

**Phase I Environmental Site Assessment  
5264 Fernbank Road  
Ottawa, Ontario**



Prepared for:  
1394680 Ontario Inc. o/a March Group  
1615 Laperriere Avenue  
Ottawa, ON K1Z 857

Attention: Mr. Mitch Coutu

March 2013

Pinchin File: 82673

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## EXECUTIVE SUMMARY

Pinchin Environmental Ltd. (“Pinchin”) was retained on February 19, 2013 through an Authorization to Proceed signed by Mr. Mitch Coutu of 1394680 Ontario Inc. o/a March Group (“Client”) to conduct a Phase I Environmental Site Assessment (“ESA”) of the property located at 5264 Fernbank Road, Ottawa, Ontario (hereafter referred to as the “Site”).

The Site is vacant and undeveloped, free of any permanent structures and/or buildings.

Pinchin was advised by the Client that the purpose of the Phase I ESA was to assess potential issues of environmental concern in relation to the potential financing of the Site. Client advised Pinchin that financing for the Site will be provided by the Business Development Bank of Canada (“BDC”), and as such, BDC will be relying on the contents of this Phase I ESA report, subject to the limitations stipulated in Section 8.0 of this report and on the contract(s)/agreement(s) between Pinchin and Client.

The Phase I ESA was completed in general accordance with the Canadian Standards Association (“CSA”) document entitled “*Phase I Environmental Site Assessment, CSA Standard Z768-01*” dated November 2001 (reaffirmed 2012), including a review of readily available historical records, a review of readily accessible regulatory records, a Site reconnaissance, interviews, an evaluation of information and reporting, subject to the limitations outlined in Section 8.0 of this report.

Based on the results of the Phase I ESA completed by Pinchin, nothing was identified that is likely to result in potential subsurface impacts in connection with the Site. As such, no subsurface investigation work (Phase II ESA) is recommended at this time.

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

*This report has been issued without having received a response from the Ontario Ministry of the Environment. Once a response from this regulatory body is received, the information will be reviewed by Pinchin and, if there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information.*

## TABLE OF CONTENTS

1.0	INTRODUCTION .....	1
1.1	Background .....	1
1.2	Scope of Work.....	1
2.0	SITE DESCRIPTION .....	1
2.1	Site Location and Physical Description.....	1
2.2	Topographic, Geologic and Hydrogeologic Setting.....	1
2.3	Site Operations .....	2
3.0	HISTORICAL RECORDS REVIEW .....	2
3.1	Site Interviews and Records .....	2
3.2	Aerial Photographs .....	2
3.3	OPTA Information .....	3
3.4	City Directories .....	3
3.5	Previous Environmental Reports.....	3
3.6	Historical Summary.....	3
4.0	REGULATORY INFORMATION AND CORRESPONDENCE.....	3
4.1	Site Regulatory Information.....	3
4.2	Ontario Ministry of the Environment.....	3
4.3	Technical Standards & Safety Authority.....	4
4.4	Local and Municipal Government.....	4
4.5	EcoLog ERIS.....	5
4.6	Regulatory Information Summary.....	5
5.0	SITE RECONNAISSANCE .....	5
5.1	Hazardous Materials.....	5
5.2	Storage Tanks .....	6
5.2.1	<i>Aboveground Storage Tanks</i> .....	6
5.2.2	<i>Underground Storage Tanks</i> .....	6
5.3	Water and Wastewater.....	6
5.4	Polychlorinated Biphenyls .....	6
5.5	Asbestos-Containing Materials .....	6
5.6	Lead-Containing Paints .....	7
5.7	Ozone-Depleting Substances.....	7
5.8	Radon.....	7
5.9	Mould or Microbial Contamination .....	7
5.10	Air Emissions .....	7
5.11	Staining and Stressed Vegetation.....	7
5.12	Non-Hazardous Wastes .....	7
6.0	ACTIVITIES ON ADJACENT PROPERTIES.....	8
7.0	FINDINGS AND RECOMMENDATIONS.....	8
8.0	STANDARD LIMITATIONS .....	8
9.0	CLOSURE .....	9

10.0 REFERENCES .....11

**FIGURES**

Figure 1 Key Map  
Figure 2 Site and Surrounding Land Use Plan

**APPENDICES**

Appendix I OPTA Response  
Appendix II Correspondence with Regulatory Agencies  
Appendix III EcoLog ERIS Report  
Appendix IV Photographs  
Appendix V Qualifications of Assessor

## 1.0 INTRODUCTION

### 1.1 Background

Pinchin Environmental Ltd. (“Pinchin”) was retained on February 19, 2013 through an Authorization to Proceed signed by Mr. Mitch Coutu of 1394680 Ontario Inc. o/a March Group (“Client”) to conduct a Phase I Environmental Site Assessment (“ESA”) of the property located at 5264 Fernbank Road, Ottawa Ontario (hereafter referred to as the “Site”).

The Site is vacant and undeveloped, free of any permanent structures and/or buildings.

Pinchin was advised by the Client that the purpose of the Phase I ESA was to assess potential issues of environmental concern in relation to the potential sale, acquisition, financing and due diligence of the Site. Client advised Pinchin that financing for the Site will be provided by Business Development Bank of Canada (“BDC”), and as such, BDC will be relying on the contents of this Phase I ESA report, subject to the limitations stipulated in Section 8.0 of this report and on the contract(s)/agreement(s) between Pinchin and Client.

### 1.2 Scope of Work

The Phase I ESA was completed in general accordance with the Canadian Standards Association (“CSA”) document entitled “*Phase I Environmental Site Assessment, CSA Standard Z768-01*” dated November 2001 (reaffirmed 2012), including a review of readily available historical and regulatory records, a Site reconnaissance, interviews, an evaluation of information and reporting, all subject to the limitations outlined in Section 8.0 of this report.

There was no Site Representative available at the time of the Site reconnaissance.

## 2.0 SITE DESCRIPTION

### 2.1 Site Location and Physical Description

As indicated on Figure 1 (Key Map), the Site is located on the southwest corner of the intersection of Fernbank Road and Eagleson Road in Ottawa, Ontario. The Site is situated in an area that predominantly consists of residential and vacant underdeveloped land uses. Figure 2 illustrates the Site and surrounding area.

### 2.2 Topographic, Geologic and Hydrogeologic Setting

Topic	Findings
Topography of Site and Surrounding Area	The Site and surrounding area are generally flat.
Site Grade Relative to the Adjoining Properties	The site perimeter is at a similar grade to the adjoining properties.
Subsurface Soils	Alluvial deposits consisting of stratified gravel, sand, silt and clay.

<b>Topic</b>	<b>Findings</b>
Fill Materials	None observed.
Bedrock Type	Sedimentary rocks consisting of limestone, dolomite, shale, argillite, sandstone, quartzite, and/or grit.
Inferred Bedrock Depth	Unknown based on the information reviewed.
Inferred Groundwater Depth	Unknown based on the information reviewed.
Nearest Open Water Body	The Monahan drain is located at the southwest end of the site.
Inferred Groundwater Flow Direction	West-southwest based on the nearest body of water

### 2.3 Site Operations

The Site consists of vacant and undeveloped land, free of any permanent structures and/or buildings. The ground surface on the south portion of the Site is covered with short grasses, shrubs and trees followed by the Monahan drain running through the southwest portion of the site. The ground surface on the north and central portions of the Site consists of bare soil and short grasses. In addition, the Site has a total area of approximately 20 acres.

### 3.0 HISTORICAL RECORDS REVIEW

#### 3.1 Site Interviews and Records

There was no Site Representative available at the time of the Site reconnaissance.

#### 3.2 Aerial Photographs

Copies of aerial photographs dated 1958, 1973, 1988, 1990 and 2002 were obtained from the National Air Photo Library in Ottawa, Ontario and reviewed by Pinchin. A summary of information obtained with respect to the Site is provided in the following table:

<b>Year of Photograph</b>	<b>Site</b>
1958, 1973, 1988, 1990 and 2002.	The Site appeared to be occupied by vacant agricultural/forested land and the Monahan drain.

A summary of information obtained with respect to the surrounding area is provided in the following table:

<b>Year of Photograph</b>	<b>North</b>	<b>East</b>	<b>South</b>	<b>West</b>
1958 and 1973.	Agricultural land.	Agricultural land.	Agricultural land.	Agricultural land.
1988, 1990 and 2002.	Fernbank Road followed by vacant undeveloped forested land.	Eagleson Road adjacent to undeveloped and forested land.	The Monahan drain followed by undeveloped forested land.	The Monahan drain followed by undeveloped forested land.

Based on Pinchin's review of the above-noted aerial photographs, nothing was observed that is likely to give rise to potential subsurface impacts in connection with the Site.

### **3.3 OPTA Information**

Pinchin contacted OPTA Information Intelligence (“OPTA”), formerly known as Risk Management Services, to obtain Fire Insurance Plans related to the Site and surrounding area, as well as Property Underwriters’ Reports and Property Underwriters’ Plans for the Site. A response was received from OPTA dated March 1, 2013, indicating that no documentation was located for the Site. A copy of the OPTA response is provided in Appendix I of this report.

### **3.4 City Directories**

City directories for the years 1995 to 2010 were reviewed by Pinchin at the Library and Archives of Canada in Ottawa, Ontario. It should be noted that only available city directories for the Site were not listed and surrounding properties were available for the City of Ottawa subsequent to 1996.

In general, the city directories indicated that the surrounding area has been historically occupied by residential land uses since 1996. No historical dry cleaning operations, RFOs or other operations of potential environmental concern were identified.

Based on Pinchin’s review of the above-noted city directories, nothing was identified that is likely to result in potential subsurface impacts at the Site.

### **3.5 Previous Environmental Reports**

No previous reports (i.e., Phase I ESAs, geological or geotechnical reports) were provided for Pinchin’s review and, according to the Client, none are available.

### **3.6 Historical Summary**

Based on the results of the historical review, nothing was identified that is likely to result in potential subsurface impacts in connection with the Site.

## **4.0 REGULATORY INFORMATION AND CORRESPONDENCE**

### **4.1 Site Regulatory Information**

Pinchin requested copies of permits, approvals and registrations from the Client and was advised that there is no regulatory information with respect to the Site.

### **4.2 Ontario Ministry of the Environment**

An Ontario Ministry of the Environment (“MOE”) Freedom of Information request was submitted to the MOE for information on file with respect to the Site. Specifically, the MOE was asked what information it has regarding historical spills, orders, investigations/prosecutions, waste generator numbers/classes and Certificates-of-Approval. At the time of writing this report, no response had been received from the MOE. When a formal response is received, it will be

reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Our conclusions and recommendations may be amended based on this information. A copy of Pinchin's request submitted to the MOE is provided in Appendix II of this report.

Pinchin conducted a search of the MOE *Brownfields Environmental Site Registry*. Based on the results of Pinchin's search, a Record of Site Condition has not been filed for the Site or neighbouring properties.

### **4.3 Technical Standards & Safety Authority**

The Technical Standards & Safety Authority ("TSSA") was contacted to establish the status of the Site with respect to its files, to identify outstanding instructions, tank registrations, incident reports, fuel/oil spills or contamination records associated with the Site. Based on email correspondence with the TSSA on March 6, 2013, no information was on file with respect to the Site. A copy of Pinchin's request submitted to the TSSA and their response is provided in Appendix II of this report.

### **4.4 Local and Municipal Government**

Inquiries were made to the City of Ottawa to conduct a search within their Historical Land Use Inventory ("HLUI") and environmental (i.e., violations, sewer-use infractions, spills or leaks, waste disposal sites, etc.) databases for information concerning the Site and Site area. The HLUI database contains information concerning land uses within the City of Ottawa that may have the potential to impact soil and/or groundwater. At the time of writing this report, no response had been received from the City of Ottawa. When a formal response is received, it will be reviewed by Pinchin. If there is any information that represents a potential issue of environmental concern, a copy of the response will be forwarded to the Client under separate cover. Pinchin's conclusions and recommendations may be amended based on this information. A copy of Pinchin's request submitted to the City of Ottawa is provided in Appendix II of this report.

In addition, Pinchin reviewed the "Mapping and Assessment of Former Industrial Sites" report that was prepared by Intera for the City of Ottawa. The Intera report consists of a study that lists former industrial sites that may have potentially impacted the soil and/or groundwater at their respective locations. The sites identified within the study are categorized as Group I, Group II or Group III. Low priority sites are identified as Group III as it is unlikely that significant waste quantities remain present at these properties today and, therefore, the potential for environmental impact is low. Medium priority sites are identified as Group II as they are presently likely to have waste quantities remaining; however, the sites' location with respect to surface waste is such that significant environmental impacts are not likely to occur. High priority sites are

identified as Group I as there is documentation demonstrating that wastes are present at these sites, and that the potential for environmental impact is high.

The 1988 Intera report was consulted and the Site and surrounding properties were not included as part of the study area.

#### **4.5 EcoLog ERIS**

Pinchin submitted a request to EcoLog Environmental Risk Information Services Ltd. (“ERIS”) for a review of the following databases, as they pertain to the Site and surrounding properties:

- “*Ontario Inventory of PCB Storage Sites*”, dated 1987 to October 2004;
- “*Ontario Regulation 347 Waste Generators Summary*”, dated 1986 to November 2012;
- “*Waste Disposal Sites – MOE CA Inventory*”, dated 1970 to April 2012; and
- “*Ontario Spills (“OS”)*”, dated 1988 to 2011.

In addition, Pinchin reviewed the following publications prepared by INTERA for the MOE, dated April 1987:

- “*Inventory of Coal Gasification Plant Waste Sites in Ontario*”; and
- “*Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario*”.

A copy of the EcoLog ERIS report is provided in Appendix III. The Site and surrounding properties were not listed in any of the above-noted databases reviewed by Pinchin.

#### **4.6 Regulatory Information Summary**

Based on the regulatory information reviewed, nothing was identified that is likely to result in potential subsurface impacts in connection with the Site.

### **5.0 SITE RECONNAISSANCE**

Pinchin conducted a Site reconnaissance on February 27, 2013, and was unaccompanied by a Site Representative. The Site reconnaissance included a walk-through of publicly accessible areas of the Site. At the time of the Site reconnaissance, the ground surface was covered with snow, and the weather was overcast and raining. The Site reconnaissance was documented with notes and photographs. The results of the Site reconnaissance are discussed below. Photographs of some of the features noted during the Site reconnaissance are attached in Appendix IV.

#### **5.1 Hazardous Materials**

No evidence of hazardous materials was observed at the time of the Site reconnaissance.

## **5.2 Storage Tanks**

### *5.2.1 Aboveground Storage Tanks*

Although the ground was snow covered at the time of Pinchin's Site reconnaissance, no evidence of aboveground storage tanks were observed on-Site.

### *5.2.2 Underground Storage Tanks*

Although the ground was snow covered at the time of Pinchin's Site reconnaissance, no evidence of underground storage tanks (i.e., fill/vent pipes) was observed on-Site.

## **5.3 Water and Wastewater**

Wastewater at the Site would consist of rainwater which would likely run overland to percolate naturally through the soil or discharge into the Monahan drain, running through the southwest portion of the site.

## **5.4 Polychlorinated Biphenyls**

The use of polychlorinated biphenyls ("PCBs") as dielectric fluids in electrical equipment such as transformers, fluorescent lamp ballasts and capacitors was common up to about 1980. The Federal PCB Regulations, SOR/2008-273, regulates the manufacture, import, export, sale, use and processing of PCBs.

No equipment potentially containing PCBs was observed at the time of the Site reconnaissance, as no buildings and/or permanent structures were present at the Site.

## **5.5 Asbestos-Containing Materials**

Asbestos-containing materials ("ACMs") are commonly found in building construction materials (particularly in older buildings constructed prior to 1985). Friable asbestos (friable is defined as a material that can be crumbled, powdered or pulverized by hand pressure) was widely used in sprayed fireproofing until 1973, and in decorative or finishing plasters, and thermal systems insulation until the early 1980s. Non-friable or manufactured asbestos products were widely used in building construction including in vinyl floor tiles, sheet flooring, ceiling tiles, pipe gaskets, roofing materials, asbestos cement boards, and numerous other products until the mid-1980s. A very limited number of non-friable asbestos products in limited quantities are still in use currently in building construction. The application of friable asbestos was banned by Ontario Regulation 654/85, which came into effect March 1985. On November 1, 2005, this regulation was most recently updated and changed to Ontario Regulation 278/05.

No ACMs were observed at the time of the Site reconnaissance, as no buildings and/or permanent structures were present at the Site.

## **5.6 Lead-Containing Paints**

Although paints containing lead were banned from uses on exterior or interior surfaces of buildings, furniture or household products in the 1970s, various commercial paints (e.g., road paint) are still known to contain lead.

No lead containing paints were observed at the time of the Site reconnaissance, as no buildings and/or permanent structures were present at the Site.

## **5.7 Ozone-Depleting Substances**

The bulk storage of ozone-depleting substances was not observed at the time of the Site reconnaissance, as no buildings and/or permanent structures were present at the Site.

## **5.8 Radon**

The Client reported that no radon surveys have been carried out at the Site. However, no buildings and/or permanent structures that could potentially accumulate radon gas were observed at the Site during the Site reconnaissance.

## **5.9 Mould or Microbial Contamination**

The presence of mould or other microbiological contamination in buildings has become a concern to building tenants and owners due to potential health effects on occupants and users. Provincial Ministries of Labour have recently issued guidelines on enforced regulations to protect the health of construction workers who are exposed to mould in the course of building renovation. The presence of water leaks or high humidity can cause the growth or amplification of mould within building environments.

No mould or microbial contamination was observed at the time of the Site reconnaissance, as no buildings and/or permanent structures were present at the Site.

## **5.10 Air Emissions**

No air emissions were observed at the time of the Site reconnaissance, as no buildings and/or permanent structures were present at the Site.

## **5.11 Staining and Stressed Vegetation**

No evidence of historic chemical discharges or releases (i.e., staining or stressed vegetation) was observed during the Site reconnaissance.

## **5.12 Non-Hazardous Wastes**

The storage of non-hazardous wastes and recyclables was not observed during the Site reconnaissance.

## 6.0 ACTIVITIES ON ADJACENT PROPERTIES

The Site is located in an urban area that is predominantly developed with residential and vacant undeveloped land uses. A description of the adjacent properties is summarized in the following table, based on Pinchin’s observations from the Site and publicly accessible locations:

	<b>NORTH</b>	<b>SOUTH</b>	<b>EAST</b>	<b>WEST</b>
OPERATION OR ACTIVITY	Fernbank Road followed by residential dwellings	Residential dwellings and retirement community.	Eagleson Road followed by vacant land and residential dwellings.	Several residential dwellings.
DIRECTION WITH RESPECT TO INFERRED GROUNDWATER FLOW	Transgradient.	Transgradient.	Upgradient.	Downgradient.
VISIBLE EMISSIONS	None observed.	None observed.	None observed.	None observed.
VISIBLE OUTDOOR STORAGE OF HAZARDOUS MATERIALS	None observed.	None observed.	None observed.	None observed.

Based on Pinchin’s observations of the adjacent properties, nothing was observed that is likely to result in potential subsurface impacts in connection with the Site.

## 7.0 FINDINGS AND RECOMMENDATIONS

Based on the results of the Phase I ESA completed by Pinchin, nothing was identified that is likely to give rise to potential subsurface impacts in connection with the Site. As such, no subsurface investigation work (Phase II ESA) is recommended at this time.

## 8.0 STANDARD LIMITATIONS

This Phase I ESA was performed in order to identify potential issues of environmental concern associated with the Site located at 5264 Fernbank Road, Ottawa, Ontario, at the time of the Site reconnaissance. This Phase I ESA was performed in general compliance with currently acceptable practices for environmental site investigations, and specific client requests, as applicable to this Site. This report was prepared for the exclusive use of 1394680 Ontario Inc. o/a March Group and BDC, subject to the conditions and limitations contained within the duly authorized workplan. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of the third parties. If additional parties require reliance on this report, written authorization from Pinchin will be required. Such reliance will only be provided by Pinchin following written authorization from Client. Pinchin disclaims

responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs. No other warranties are implied or expressed.

Pinchin will not be responsible for any consequential or indirect damages. Pinchin will only be held liable for damages resulting from negligence of Pinchin. Pinchin will not be liable for any losses or damage if Client has failed, within a period of two (2) years following the date upon which the claim is discovered within the meaning of the Limitations Act, 2002 (Ontario), to commence legal proceedings against Pinchin to recover such losses or damage.

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

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

The CSA document entitled "*Phase I Environmental Site Assessment, CSA Standard Z768-01*" dated November 2001 (reaffirmed 2012), does not apply to environmental auditing or environmental management systems. Therefore, with respect to Site operations and conditions, compliance with applicable Federal, Provincial or Municipal acts, regulations, laws and/or statutes was not evaluated as part of the Phase I ESA.

## **9.0 CLOSURE**

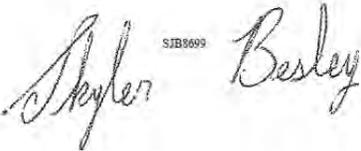
The conclusions and recommendations represent the best judgement of the assessor based on the Site conditions observed on February 27, 2013, and current environmental standards.

This report has been issued without having received a response to a request for information from the MOE or the City of Ottawa. Our conclusions and recommendations may be amended based on information obtained from these regulatory agencies.

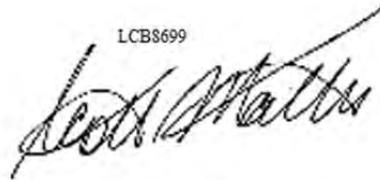
We trust that the information provided in this report meets your current requirements. If you have any questions or concerns, please do not hesitate to contact the undersigned.

Yours truly,

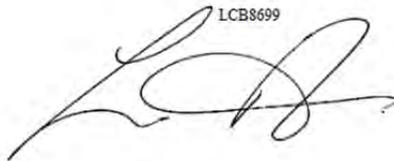
**PINCHIN ENVIRONMENTAL LTD.**



per: Skyler Besley, B.Sc.  
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per: Larry Backman, B.Sc.S.  
*Senior Vice President, National Accounts*  
Environmental Due Diligence &  
Remediation  
[lbackman@pinchin.com](mailto:lbackman@pinchin.com)

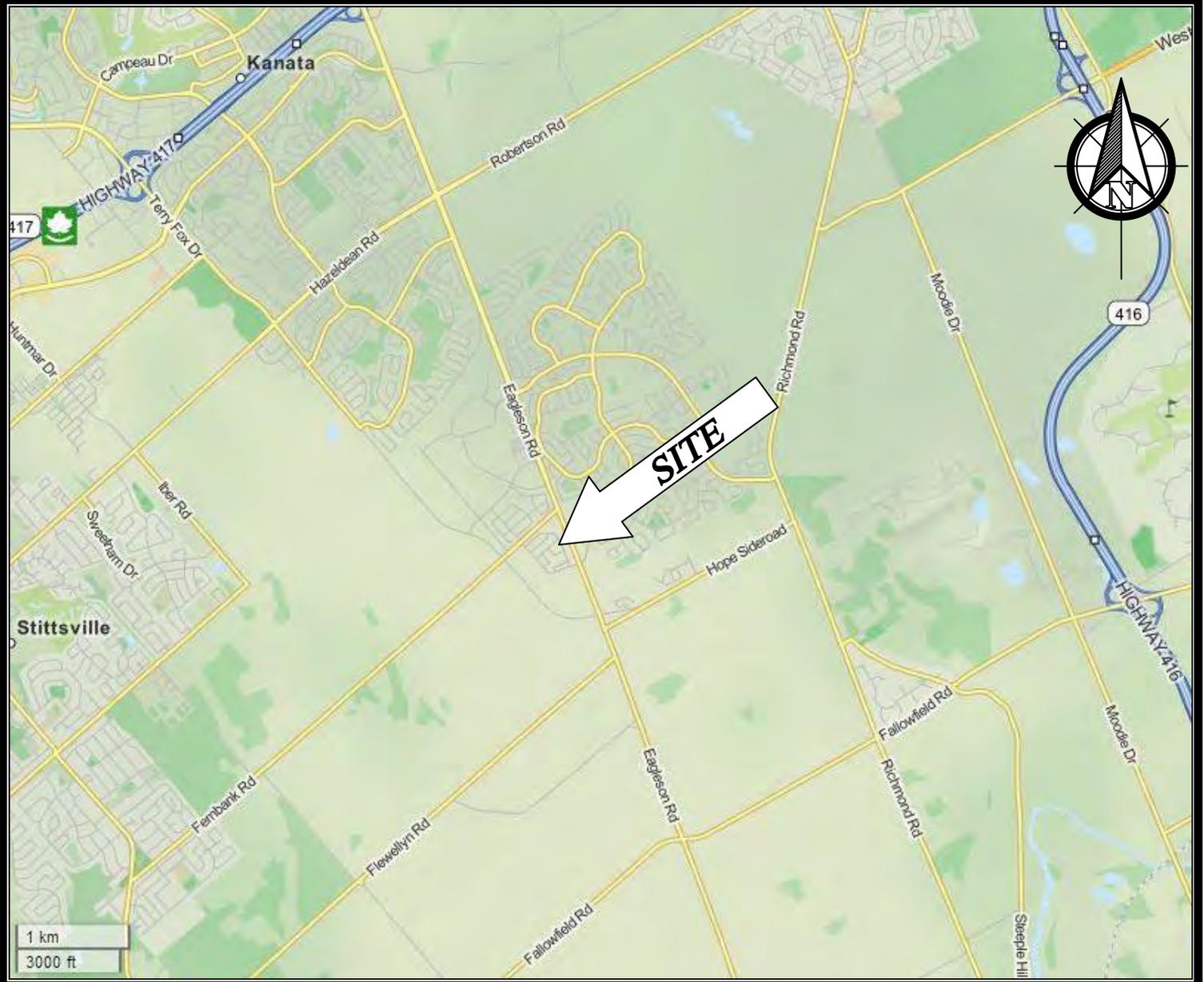
## 10.0 REFERENCES

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

1. EcoLog ERIS report entitled “Phase I ESA 5264 Fernbank Rd Ottawa ON” dated February 28, 2013(ERIS Project # 20130223001).
2. OPTA Information Intelligence.
3. “Paleozoic Geology of the Ottawa Area, Southern Ontario”, Ontario Geological Survey, Map P.2716, 1981.
4. “Surficial Geology – Ottawa, Ontario-Quebec”, Map 1506A, 1982.
5. The Atlas of Canada – Surficial Materials:  
<http://atlas.nrcan.gc.ca/site/english/maps/environment/land/surficialmaterials/1>
6. The Atlas of Canada – Bedrock Geology:  
<http://atlas.gc.ca/site/english/maps/archives/3rdedition/environment/land/016?w=4&h=4&l=6&r=4&c=12>.
7. Toporama – Topographic Maps:  
<http://atlas.gc.ca/site/english/maps/topo/map>
8. National Air Photo Library, Ottawa, Ontario.
9. Library and Archives of Canada, Ottawa, Ontario.
10. Technical Standards & Safety Authority.
11. The City of Ottawa.
12. Ontario Ministry of the Environment.
13. MOE Brownfields Environmental Site Registry.
14. Google Earth™ Satellite Imagery.

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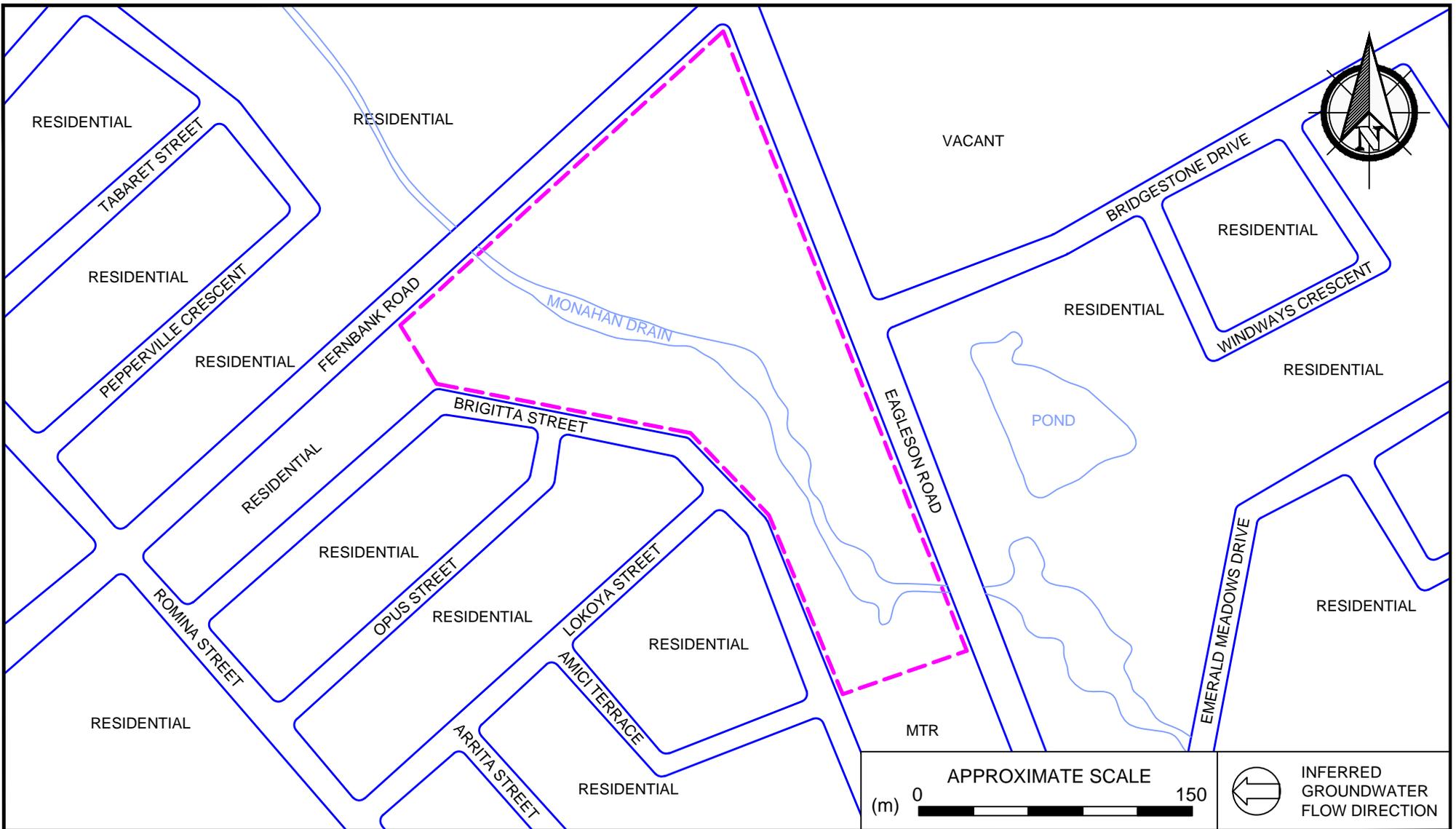
## **FIGURES**



© OpenStreetMap contributors



PROJECT NAME				PHASE I ENVIRONMENTAL SITE ASSESSMENT			
CLIENT NAME				1394680 ONTARIO INC. O/A MARCH GROUP			
PROJECT LOCATION				5264 FERNBANK ROAD, OTTAWA, ONTARIO			
FIGURE NAME				KEY MAP			FIGURE NO.
SCALE		PROJECT NO.		DATE:		1	
AS SHOWN		82673		MARCH 2013			



**LEGEND**  
 - SITE PERIMETER  
 MTR - MULTI-TENANT RESIDENTIAL

PROJECT NAME			PHASE I ENVIRONMENTAL SITE ASSESSMENT		
CLIENT NAME			1394680 ONTARIO INC. O/A MARCH GROUP		
PROJECT LOCATION			5264 FERNBANK ROAD, OTTAWA, ONTARIO		
FIGURE NAME			SITE AND SURROUNDING LAND USE PLAN		FIGURE NO.
APPROXIMATE SCALE	PROJECT NO.	DATE	2		
AS SHOWN	82673	MARCH 2013			

**APPENDIX I**  
**OPTA RESPONSE**

# HEIRS™

Historical Environmental Information Reporting System



**Site Address:**  
5264 Fernbank Road  
Ottawa, Ontario

**Project No:**  
82673

**Opta ID No:**  
17944

**Requested by:**  
Skyler Besley  
Pinchin Environmental Ltd.

**Date Completed:**  
March 1, 2013



An **SCM** Company

150 Commerce Valley Drive W  
8<sup>th</sup> Floor  
Markham, Ontario L3T 7Z3  
T: 905-882-6300  
www.optaintel.ca

Report Completed By:  
Niruja Shanmuganathan

# Opta Environmental Services

## Historical Environmental Information Reporting System (HEIRS™)

March 1, 2013

Skyler Besley  
Pinchin Environmental Ltd.  
1001 – 555 Legget Drive  
Kanata, Ontario  
K2K 2X3

Dear Skyler,

Re: **Your Site Address: “5264 Fernbank Road, Ottawa, Ontario”**  
**Project No.: 82673**  
**Opta ID Number: 17944**

We are pleased to present our search results for “5264 Fernbank Road, Ottawa, Ontario” in the table below.

Information	Year	Comment	Cost Prior to HST
Research Fee		\$50.00 flat research fee per street address.	\$50.00
Fire Insurance Plans (FIPs)	No Fire Insurance Plans were found in the Opta inventory.	\$100.00 for each Fire Insurance Plan.	
Insurance Report(s)	No Insurance Reports were found in the Opta databases.	\$55.00 for each Insurance Report.	
Site Plan(s)	No Site Plans were found in the Opta databases.	\$70.00 for small Site Plans. \$105.00 for large Site Plans.	
<b>Total</b>			<b>\$50.00</b>

The total cost for this report is \$50.00 plus HST. Please see the Terms and Conditions for our search on page two of this report.

Thank you for employing the services of Opta Information Intelligence.

Regards,

Niruja Shanmuganathan  
Opta Environmental Services



150 Commerce Valley Drive W  
Markham, Ontario  
L3T 7Z3

T: 905.882.6300  
Toll Free: 1.800.268.8080  
F: 905.695.6543

An SCM Company  
[www.optaintel.ca](http://www.optaintel.ca)

# Opta Environmental Services Historical Environmental Information Reporting System (HEIRS™) Terms and Conditions

## Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

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## Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

## Governing Document

In the event of any conflicts or inconsistencies between the provisions hereof and the Reports, the rights and obligations of the parties shall be deemed to be governed by the request form, which shall be the paramount document.

## Law

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

**APPENDIX II**  
**CORRESPONDENCE WITH REGULATORY AGENCIES**

This form is for requesting documents which are in the Ministry's files on environmental concerns related to properties. Please refer to the guide on the completion and use of this form. Our fax no. is (416) 314-4285.

Requester Data			For Ministry Use Only	
Name, Title, Company Name and Mailing Address of Requester  Cheryl Coulas Pinchin Environmental 555 Legget Dr, Suite 1001, Tower A Kanata, Ontario K2K 2X3 For questions or concerns please contact Mike Kosiw at:  mkosiw@pinchin.com			FOI Request No.	FOI Co-ordinator Review date
			Date Request Received	Fee Paid ~ ACCT ~ CHQ <input checked="" type="checkbox"/> VISA ~ CASH
			Response Due Date	
Telephone/Fax Nos. Tel: (613) 592-3387 Fax (613) 592-5897	Your Project/Reference No. 82673	Signature of Requester <i>C Coulas</i>	<input type="checkbox"/> CNR <input type="checkbox"/> ER <input type="checkbox"/> NOR <input type="checkbox"/> SWR <input type="checkbox"/> <input type="checkbox"/> WCR <input type="checkbox"/> SAC <input type="checkbox"/> IEB <input type="checkbox"/> EAA <input type="checkbox"/>	
<b>Request Parameters</b>				
Municipal Address / Lot, Concession, Geographic Township (Municipal address essential for cities, towns or regions)				
5264 Fernbank Road, Ottawa, Ontario				
Present Property Owner(s) and Date(s) of Ownership				
1394680 Ontario Inc. o/a March Group				
Previous Property Owner(s) and Date(s) of Ownership				
Present/Previous Tenant(s), (if applicable)				
Vacant				
<b>Search Parameters</b>				<b>Specify Year(s) Requested</b>
Files older than 2 years may require \$60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.				
Environmental concerns (General correspondence, occurrence reports, abatement)				ALL
Orders				ALL
Spills				ALL
Investigations/prosecutions ▶ Owner/tenant information must be provided				ALL
Waste Generator number/classes				ALL
<b>Certificates of Approval ▶ Proponent information must be provided</b>				
1985 and prior records are searched manually. Search fees in excess of \$300.00 could be incurred, depending on the types and years to be searched. Specify Certificates of Approval number (s) (if known). If supporting documents are also required, mark SD box and specify type e.g. maps, plans, hydrogeological reports, etc.				
			SD	Specify Year(s) Requested
air – emissions				
water - mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)				
sewage - sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations				
waste water - industrial discharge				
waste sites - disposal, landfill sites, transfer stations, processing sites, incinerator sites				
waste systems	- haulers: sewage, non-hazardous & hazardous waste			
	- mobile waste processing units			
	- PCB destruction			
pesticides - licenses				



March 8, 2013

City of Ottawa  
110 Laurier Street West  
Ottawa, ON K1P 1J1

VIA FAX 560-6006

**Attention: Eric D. Pisani**

Dear Mr. Pisani:

**RE: Phase I Environmental Site Assessment  
5264 Fernbank Road, Ottawa, Ontario  
Pinchin Project No.:82673**

Pinchin Environmental Ltd. ("Pinchin") was retained by 1394680 Ontario Inc. o/a March Group ("Client") to conduct a Phase I Environmental Site Assessment ("Phase I ESA") of the property located at 5264 Fernbank Road, Ottawa, Ontario Canada (hereafter referred to as the "Site").

We would appreciate any information you may have, regarding any environmental records, for this property. Such records would include violations, sewer-use infractions, spills or leaks, waste disposal sites, etc. In addition, please search the HLUI database for historical land use in the Site area. The consent form, HLUI disclaimer form, and the Request for Information form are attached. We thank you for your co-operation in this matter and look forward to your reply.

In addition, we would greatly appreciate if could quote the above noted Pinchin Project Number in your response.

If you should require further information, please do not hesitate to contact Cheryl Coulas by telephone at (613) 592-3387

Yours truly,

**PINCHIN ENVIRONMENTAL LTD.**

A handwritten signature in cursive script that reads "C Coulas".

Cheryl Coulas

*Research Assistant*

Environmental Due Diligence &  
Remediation

## **DISCLAIMER**

### **For use with HLUI Database**

CITY OF OTTAWA ("the City") is the owner of the HISTORICAL LAND USE INVENTORY ("HLUI"), a database of information on the type and location of land uses within the geographic area of Ottawa, which had or have the potential to cause contamination in soil, groundwater or surface water.

*The City, in providing information from the HLUI, to \_\_\_Pinchin Environmental\_\_\_ ("the Requester") does so only under the following conditions and understanding:*

1. This is a free service offered by the City.
2. The information which is contained in the HLUI has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that such records and sources of information may be flawed. Changes in municipal addresses over time may have introduced error in such records and sources of information. The City is not responsible for any errors or omissions in the HLUI and reserves the right to change and update the HLUI without further notice. The City does not, however, make any commitment to update the HLUI. Accordingly, all information from the HLUI is provided "as is".
3. City staff will perform a search of the HLUI based on the information given by the Requester. City staff will make every effort to be accurate, however, the City does not provide an assurance, guarantee, warranty, representation (express or implied), as to the availability, accuracy, completeness or currency of information which will be provided to the Requester. The HLUI in no way confirms the presence or absence of contamination or pollution of any kind. The information to be provided by the City to the Requester is provided on the assumption that no person shall rely on it without undertaking independent verification of it for any purpose whatsoever and all liability to any such person is denied.
4. The City, its employees, servants, agents, boards, officials or contractors take no responsibility for any actions, claims, losses, liability, judgments, demands, expenses, costs, damages or harm suffered by any person whatsoever including negligence in compiling or disseminating information in the HLUI.
5. Copyright is reserved to the City.
6. Any use of the information provided from the HLUI which a third party makes, or any reliance on or decisions to be based on it, are the responsibilities of such third parties. The City, its employees, servants, agents, boards, officials or contractors accept no responsibility for any damages, if any, suffered by a third party as a result of decisions made as a result of an information search of the HLUI.
7. Any use of this service by the Requestor indicates an acknowledgement, acceptance and limits of this disclaimer.
8. All information collected under this request and all records provided in response to this request are subject to the provisions of the *Municipal Freedom of Information and Protection of Privacy Act*, R.S.O. 1990,c. M56, as amended.

Signed: C. Coulas.

Per: Cheryl Coulas

(Please print name)

Title: Research Assistant

Company: Pinchin Environmental Ltd.

Dated: March 8<sup>th</sup>/13.

**CONFIDENTIAL**

File No.82673

Deadline for Response: \_\_\_\_\_

Phase 1 – Environmental Site Assessment

**Request for Information**

(Informal Request)\*

**1. REQUESTER INFORMATION**

- a) Name of Requester: Cheryl Coulas
- b) Address of Requester: 555 Legget Dr, Suite 1001, Kanata, ON K2K 2X3
- c) Telephone Number: 613-592-3387
- d) Site Address: Lot- \_\_\_\_\_ Concession: \_\_\_\_\_  
Street: 5264 Fernbank Road, Ottawa, Ontario  
City/Town: Ottawa, ON  
Postal Code: \_\_\_\_\_
- e) Legal Plan Attached: Yes ( ) No ( X )
- f) Site Owner: 1394680 Ontario Inc. o/a March Group.
- g) Adjacent Property Owners: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- h) Date of Ownership: \_\_\_\_\_  
Previous Owner(s): \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- i) Type of Site: ( ) vacant, ( ) residential, ( X ) commercial,  
( ) other (specify) \_\_\_\_\_
- j) Requestors relationship to Site: environmental site assessor
- k) Date of Previous Request: n/a
- l) Date of Previous ESA: n/a
- m) Information Requested: see attached letter

**2. CONFIDENTIALITY**

- a) Consent Required: ( ) Owner ( ) Tenant ( ) Purchaser ( ) Legal\*\*
- b) Consent Obtained: ( X ) Owner ( ) Tenant ( ) Purchaser ( ) Legal\*\*

\*(If formal MFIPPA request, please forward to Corporate Access and Privacy Coordinator, Clerk's Department)

\*\* (Consent letters must contain the information required, give authorization to requestor, and be dated and signed)

**PINCHIN**  
ENVIRONMENTAL

City of Ottawa Authorization Letter

February 19, 2013

**RE: Phase I Environmental Site Assessment**  
**5264 Fernbank Road**  
**Ottawa, Ontario**  
**Pinchin File No.: 82673**

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This will confirm that Pinchin Environmental Ltd. has been retained to conduct a Phase I Environmental Site Assessment ("ESA") of the above-mentioned property, hereby referred to as the "Site".

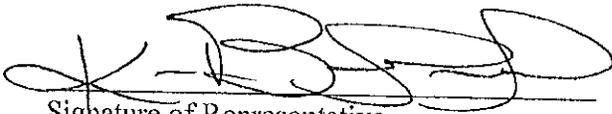
Please regard this letter as authorization to release to Pinchin information requested to the City of Ottawa, or any other regulatory body requiring authorization from the **owner of the Site**.

1894680 ONTARIO INC  
O/A Merch Group

Name of Company

Feb 20, 2013

Dated

  
Signature of Representative

Ken Bouchard  
General Manager  
Name (please print)

## Featherstone, Julie

---

**From:** squibell@tssa.org on behalf of Public Information Services  
<publicinformationservices@tssa.org>  
**Sent:** Wednesday, March 06, 2013 1:53 PM  
**To:** Coulas, Cheryl  
**Subject:** Re: UST Inquiry

Hi Cheryl,

Thank you for your inquiry.

We have no record in our database of any fuel storage tanks at the subject address (addresses).

For a further search in our archives please submit your request in writing to Public Information Services via e-mail ([publicinformationservices@tssa.org](mailto:publicinformationservices@tssa.org)) or through mail along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Thank you and have a great day!

Regards,

Sarah

Sarah Quibell

Public Information Services

TECHNICAL STANDARDS & SAFETY AUTHORITY  
"Putting Public Safety First"  
14th Floor, Centre Tower  
3300 Bloor Street West  
Toronto, ON M8X 2X4

[www.tssa.org](http://www.tssa.org)

Toll-Free: 1-877-682-8772

On Wed, Mar 6, 2013 at 1:28 PM, Coulas, Cheryl <[ccoulas@pinchin.com](mailto:ccoulas@pinchin.com)> wrote:

Good afternoon,

Can you please search for USTs at 5264 Fernbank Rd, Ottawa, Ontario?

Thank you,

Cheryl Coulas

Research Assistant

Environmental Due Diligence and Remediation

**Pinchin Environmental Ltd.**

555 Legget Drive, Tower A Suite 1001

Kanata, ON K2K 2X3

Phone: [613-592-3387](tel:613-592-3387) ext. 1821

Fax: [613-592-5897](tel:613-592-5897)

[ccoulas@pinchin.com](mailto:ccoulas@pinchin.com)

[www.pinchin.com](http://www.pinchin.com)

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**APPENDIX III**  
**ECOLOG ERIS REPORT**

**E R I S** 

# REPORT



**Project Property:** *Phase I ESA  
5264 Fernbank Rd  
Ottawa ON K2M0E8*

**Report Type:** *Custom-Build Your Own Report*

**Order #:** *20130223001*

**Date:** *February 28, 2013*

**EcoLog ERIS Ltd.**  
Environmental Risk  
Information Service Ltd. (ERIS)  
A division of Glacier Media Inc.  
P: 1.866.517.5204  
E: [info@erisinfo.com](mailto:info@erisinfo.com)

**[www.erisinfo.com](http://www.erisinfo.com)**

# Table of Contents

<a href="#">Table of Contents</a> .....	1
<a href="#">Executive Summary</a> .....	2
<a href="#">Executive Summary: Report Summary</a> .....	3
<a href="#">Executive Summary: Site Report Summary – Project Property</a> .....	5
<a href="#">Executive Summary: Site Report Summary – Surrounding Properties</a> .....	6
<a href="#">Map</a> .....	7
<a href="#">Aerial</a> .....	8
<a href="#">Detail Report</a> .....	9
<a href="#">Unplottable Report</a> .....	10
<a href="#">Appendix: Database Descriptions</a> .....	11
<a href="#">Definitions</a> .....	20

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# Executive Summary

## Property Information:

**Project Property:** *Phase I ESA  
5264 Fernbank Rd Ottawa ON K2M0E8*

### **Coordinates:**

**Latitude:** *45.27733*  
**Longitude:** *-75.862934*  
**UTM Northing:** *432,316.54*  
**UTM Easting:** *5,014,121.20*  
**UTM Zone:** *UTM Zone 18T*

**Elevation:** *308 FT  
94.00 M*

## Order Information:

**Order No.:** *20130223001*  
**Date Requested:** *01/03/2013*  
**Requested by:** *Pinchin Environmental*  
**Report Type:** *Custom-Build Your Own Report*

## Additional Products:

## Executive Summary: Report Summary

Database	Name	Selected	On Site	Within 0.25KM	Total
<a href="#">AAGR</a>	Abandoned Aggregate Inventory	N	-	-	-
<a href="#">AGR</a>	Aggregate Inventory	N	-	-	-
<a href="#">AMIS</a>	Abandoned Mine Information System	N	-	-	-
<a href="#">ANDR</a>	Anderson's Waste Disposal Sites	N	-	-	-
<a href="#">AUWR</a>	Automobile Wrecking & Supplies	N	-	-	-
<a href="#">BORE</a>	Borehole	N	-	-	-
<a href="#">CA</a>	Certificates of Approval	N	-	-	-
<a href="#">CFOT</a>	Commercial Fuel Oil Tanks	N	-	-	-
<a href="#">CHEM</a>	Chemical Register	N	-	-	-
<a href="#">COAL</a>	Inventory of Coal Gasification Plants and Coal Tar Sites	N	-	-	-
<a href="#">CONV</a>	Compliance and Convictions	N	-	-	-
<a href="#">CPU</a>	Certificates of Property Use	N	-	-	-
<a href="#">DRL</a>	Drill Hole Database	N	-	-	-
<a href="#">EASR</a>	Environmental Activity and Sector Registry	N	-	-	-
<a href="#">EBR</a>	Environmental Registry	N	-	-	-
<a href="#">ECA</a>	Environmental Compliance Approval	N	-	-	-
<a href="#">EEM</a>	Environmental Effects Monitoring	N	-	-	-
<a href="#">EHS</a>	ERIS Historical Searches	N	-	-	-
<a href="#">EIS</a>	Environmental Issues Inventory System	N	-	-	-
<a href="#">EXP</a>	List of TSSA Expired Facilities	N	-	-	-
<a href="#">FCON</a>	Federal Convictions	N	-	-	-
<a href="#">FCS</a>	Contaminated Sites on Federal Land	N	-	-	-
<a href="#">FOFT</a>	Fisheries & Oceans Fuel Tanks	N	-	-	-
<a href="#">FST</a>	Fuel Storage Tank	N	-	-	-
<a href="#">GEN</a>	Ontario Regulation 347 Waste Generators Summary	Y	0	0	0
<a href="#">HINC</a>	TSSA Historic Incidents	N	-	-	-
<a href="#">IAFT</a>	Indian & Northern Affairs Fuel Tanks	N	-	-	-
<a href="#">INC</a>	TSSA Incidents	N	-	-	-
<a href="#">LIMO</a>	Landfill Inventory Management Ontario	N	-	-	-
<a href="#">MINE</a>	Canadian Mine Locations	N	-	-	-
<a href="#">MNR</a>	Mineral Occurrences	N	-	-	-
<a href="#">NATE</a>	National Analysis of Trends in Emergencies System (NATES)	N	-	-	-
<a href="#">NCPL</a>	Non-Compliance Reports	N	-	-	-
<a href="#">NDFT</a>	National Defence & Canadian Forces Fuel Tanks	N	-	-	-
<a href="#">NDSP</a>	National Defence & Canadian Forces Spills	N	-	-	-
<a href="#">NDWD</a>	National Defence & Canadian Forces Waste Disposal Sites	N	-	-	-
<a href="#">NEES</a>	National Environmental Emergencies System (NEES)	N	-	-	-
<a href="#">NPCB</a>	National PCB Inventory	N	-	-	-

<b>Database</b>	<b>Name</b>	<b>Selected</b>	<b>On Site</b>	<b>Within 0.25KM</b>	<b>Total</b>
<a href="#">NPRI</a>	National Pollutant Release Inventory	N	-	-	-
<a href="#">OGW</a>	Oil and Gas Wells	N	-	-	-
<a href="#">OOGW</a>	Ontario Oil and Gas Wells	N	-	-	-
<a href="#">OPCB</a>	Inventory of PCB Storage Sites	Y	0	0	0
<a href="#">ORD</a>	Orders	N	-	-	-
<a href="#">PAP</a>	Canadian Pulp and Paper	N	-	-	-
<a href="#">PCFT</a>	Parks Canada Fuel Storage Tanks	N	-	-	-
<a href="#">PES</a>	Pesticide Register	N	-	-	-
<a href="#">PINC</a>	TSSA Pipeline Incidents	N	-	-	-
<a href="#">PRT</a>	Private and Retail Fuel Storage Tanks	N	-	-	-
<a href="#">PTTW</a>	Permit to Take Water	N	-	-	-
<a href="#">REC</a>	Ontario Regulation 347 Waste Receivers Summary	N	-	-	-
<a href="#">RSC</a>	Record of Site Condition	N	-	-	-
<a href="#">RST</a>	Retail Fuel Storage Tanks	N	-	-	-
<a href="#">SCT</a>	Scott's Manufacturing Directory	N	-	-	-
<a href="#">SPL</a>	Ontario Spills	Y	0	0	0
<a href="#">SRDS</a>	Wastewater Discharger Registration Database	N	-	-	-
<a href="#">TANK</a>	Anderson's Storage Tanks	N	-	-	-
<a href="#">TCFT</a>	Transport Canada Fuel Storage Tanks	N	-	-	-
<a href="#">VAR</a>	TSSA Variances for Abandonment of Underground Storage Tanks	N	-	-	-
<a href="#">WDS</a>	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
<a href="#">WDSH</a>	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
<a href="#">WWIS</a>	Water Well Information System	N	-	-	-
			<hr/>		
<b>Total:</b>			0	0	0

# Executive Summary: Site Report Summary – Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dis m</i>	<i>Elev diff m</i>	<i>Page Number</i>
--------------------	-----------	--------------------------	----------------	--------------	------------------------	------------------------

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

# Executive Summary: Site Report Summary – Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dis m</i>	<i>Elev Diff m</i>	<i>Page Number</i>
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No records found in the selected databases for the surrounding properties.



# Map

Order No: 20130223001

Address: 5264 Fernbank Rd, Ottawa, ON, K2M0E8

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	Pipelines and Transmission	Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		

75°52'W

75°51'30"W

45°17'N

45°17'N

45°16'30"N

45°16'30"N

45°16'N

45°16'N



# Aerial

Order No: 20130223001

Address: 5264 Fernbank Rd, Ottawa, ON, K2M0E8

Source: ESRI World Imagery

© Ecolog ERIS Ltd

## Detail Report

<i>Map Key</i>	<i>Number of Records</i>	<i>Distance m</i>	<i>Elevation m</i>	<i>Site</i>	<i>DB</i>
----------------	------------------------------	-----------------------	------------------------	-------------	-----------

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No records found in the selected databases for the project property or surrounding properties.

# Unplottable Report

**Site:** Hydro OTTAWA LIMITED  
EAGLESON RD OTTAWA ON K2L 2P1

**Database:**  
GEN

**SIC Code:** 221122  
**SIC Description:** Electric Power Distribution  
**Generator #:** ON9259460  
**Approval Yrs:** 05  
**Generator #:** ON9259460  
**SIC Code:** 221122  
**SIC Description:** Electric Power Distribution  
**Approval Yrs:** 05

**--- Details ---**

**Waste Code:** 243  
**Waste Description:** PCB'S

**--- Details ---**

**Waste Code:** 243  
**Waste Description:** PCB'S

**Site:** TRANSPORT TRUCK  
ALONG EAGLESON RD, COVERING ROTHESAY AND FURTHER, KANATA TRANSPORT TRUCK  
(CARGO) OTTAWA CITY ON

**Database:**  
SPL

**Ref No.:** 243359  
**Incident Dt:** 10/26/2002  
**MOE Reported Dt:** 10/26/2002  
**Contaminant Name:**  
**Contaminant Quantity:**  
**Incident Summary:** NEPEAN F/D: UKN TRUCK LEA-KING FURNACE OIL TO ROAD AND SEWER. CAUSED MVA  
**Incident Cause:** UNKNOWN  
**Incident Reason:** UNKNOWN  
**Nature of Impact:** Multi Media Pollution  
**Receiving Medium:** LAND, WATER  
**Environmental Impact:** POSSIBLE

**Site:** City of Ottawa- Water Stormwater Treatment Unit <UNOFFICIAL>  
5264 and 5271 Fernbank Rd Ottawa ON

**Database:**  
SPL

**MOE Reported Dt:** 5/1/2009  
**Ref No.:** 5782-7RMLM3  
**Incident Dt:**  
**Contaminant Name:** USED MOTOR OIL  
**Contaminant Quantity:**  
**Incident Summary:** City of Ottawa: Used oil in the Monahan Drain  
**Incident Cause:** Unknown  
**Incident Reason:** Other - Reason not otherwise defined  
**Nature of Impact:** Surface Water Pollution  
**Receiving Medium:**  
**Environmental Impact:** Confirmed

## Appendix: Database Descriptions

Ecolog Environmental Risk Information Services Ltd 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 Ecolog 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:** Up to Sept 2002 Provincial [AAGR](#)  
The MAAP Program maintains a database of all 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.

**Aggregate Inventory:** Up to Aug 2012 Provincial [AGR](#)  
The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot\concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

**Abandoned Mine Information System:** 1800-Jan 2012 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.

**Anderson's Waste Disposal Sites:** 1860s-Present 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.

**Automobile Wrecking & Supplies:** 2001-Jun 2010 Private [AUWR](#)  
This database provides an inventory of all 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.

**Borehole:** 1875-Aug 2011 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.

**Certificates of Approval:** 1985-Oct 30, 2011\* 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.

**Commercial Fuel Oil Tanks:** 1948-Aug 2011 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.

**Chemical Register:** 1992, 1999-Jun 2010 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.).

**Inventory of Coal Gasification Plants and Coal Tar Sites:** Apr 1987 and Nov 1988\* 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.\*

**Compliance and Convictions:** 1989-2012 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.

**Certificates of Property Use:** 1994-Jan 2013 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.

**Drill Hole Database:** 1886-Oct 2011 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 MNM. 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".

**Environmental Activity and Sector Registry:** Oct 31, 2011-Jan 2013 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.

**Environmental Registry:**

1994-Jan 2013

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.

**Environmental Compliance Approval:**

Oct 31, 2011-Jan 2013

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 CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

**Environmental Effects Monitoring:**

1992-2007\*

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.

**ERIS Historical Searches:**

1999-Oct 2012

Private

[EHS](#)

EcoLog 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.

**Environmental Issues Inventory System:**

1992-2001\*

Federal

[EIS](#)

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

**List of TSSA Expired Facilities:**

Current to Feb 2012

Provincial

[EXP](#)

This is a list of all expired facilities that fall under the TSSA (TSSA Act & Safety Regulations), including the six regulations that exist under the Fuels Safety Division. It will include facilities such as private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. These tanks have been removed and automatically fall under the expired facilities inventory held by TSSA.

**Federal Convictions:**

1988-Jun 2007

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.

**Contaminated Sites on Federal Land:**

June 2000-Jan 2013

Federal

[FCS](#)

The Federal Contaminated Sites Inventory includes information on all 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.

**Fisheries & Oceans Fuel Tanks:**

1964-Sept 2003

Federal

[FOFT](#)

Fisheries & Oceans Canada maintains an inventory of all 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.

**Fuel Storage Tank:**

Current to Jun 2011

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.

**Ontario Regulation 347 Waste Generators Summary:**

1986-Apr 2012

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.

**TSSA Historic Incidents:**

2006-June 2009

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.

**Indian & Northern Affairs Fuel Tanks:**

1950-Aug 2003

Federal

[IAFT](#)

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of all 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.

**TSSA Incidents:**

June 2009-Mar 2012

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.

**Landfill Inventory Management Ontario:**

2010

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.

**Canadian Mine Locations:**

1998-2009

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.

**Mineral Occurrences:**

1846-Nov 2011

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 planimetric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

**National Analysis of Trends in Emergencies System**

1974-1994\*

Federal

[NATE](#)**(NATES):**

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.

**Non-Compliance Reports:**

1992(water only), 1994-2010

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.

<b><u>National Defence &amp; Canadian Forces Fuel Tanks:</u></b>	Up to May 2001*	Federal	<a href="#">NDFT</a>
The Department of National Defence 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.			
<b><u>National Defence &amp; Canadian Forces Spills:</u></b>	Mar 1999-Aug 2010	Federal	<a href="#">NDSP</a>
The Department of National Defence 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.			
<b><u>National Defence &amp; Canadian Forces Waste Disposal Sites:</u></b>	2001-Apr 2007	Federal	<a href="#">NDWD</a>
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.			
<b><u>National Environmental Emergencies System (NEES):</u></b>	1974-2003	Federal	<a href="#">NEES</a>
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 all 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.			
<b><u>National PCB Inventory:</u></b>	1988-2008	Federal	<a href="#">NPCB</a>
Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all 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.			
<b><u>National Pollutant Release Inventory:</u></b>	1993-2010	Federal	<a href="#">NPRI</a>
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.			
<b><u>Oil and Gas Wells:</u></b>	1988-2012	Private	<a href="#">OGW</a>
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 <a href="http://www.nickles.com">www.nickles.com</a> .			

**Ontario Oil and Gas Wells:** 1800-Feb 2012 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, well cap date, licence 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.

**Inventory of PCB Storage Sites:** 1987-Oct 2004 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.

**Orders:** 1994-Jan 2013 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.

**Canadian Pulp and Paper:** 1999, 2002, 2004, 2005, Private [PAP](#)  
2009  
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.

**Parks Canada Fuel Storage Tanks:** 1920-Jan 2005 Federal [PCFT](#)  
Canadian Heritage maintains an inventory of all 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.

**Pesticide Register:** 1988-Jun 2012 Provincial [PES](#)  
The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

**TSSA Pipeline Incidents:** June 2009-Mar 2012 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.

**Private and Retail Fuel Storage Tanks:** 1989-1996\* 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).

**Permit to Take Water:** 1994-Jan 2013 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.

**Ontario Regulation 347 Waste Receivers Summary:** 1986-2009 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.

**Record of Site Condition:** 1997-Sept 2001, Oct 2004-2012 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).

**Retail Fuel Storage Tanks:** 1999-Jun 2010 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.

**Scott's Manufacturing Directory:** 1992-Mar 2011 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.

**Ontario Spills:** 1988-Aug 2012 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.

**Wastewater Discharger Registration Database:** 1990-2011 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).

**Anderson's Storage Tanks:** 1915-1953\* 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.

**Transport Canada Fuel Storage Tanks:** 1970-Mar 2007 Federal [TCFT](#)  
With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

**TSSA Variances for Abandonment of Underground**

Current to Oct 2011

Provincial

[VAR](#)

**Storage Tanks:**

The TSSA, Under the Liquid Fuels Handling Code and the Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, you may apply to seek a variance from this code requirement. This is a list of all variances granted for abandoned tanks.

**Waste Disposal Sites - MOE CA Inventory:**

1970-Jan 2013

Provincial

[WDS](#)

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

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory:**

Up to Oct 1990\*

Provincial

[WDSH](#)

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

**Water Well Information System:**

1955-2011

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.

# 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.

**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, within the report search radius, and the surrounding area outside the search radius.

'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 upside down 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 were included as reference.

**APPENDIX IV**  
**PHOTOGRAPHS**



Photo 1 – North portion of the Site.



Photo 2 – West-central portion of the Site.



Photo 3- East portion of the Site.



Photo 4- Southwest portion of the Site.



Photo 5- Surrounding property located east of the Site.



Photo 6- Surrounding property located north of the Site.



Photo 7- Adjacent properties located south of the Site.



Photo 8- Surrounding properties located west of the Site.

**APPENDIX V**  
**QUALIFICATIONS OF ASSESSOR**

## **QUALIFICATIONS OF ASSESSORS**

### **SKYLER BESLEY, B.Sc., PROJECT MANAGER**

Skyler Besley is a Project Manager within the Environmental Due Diligence and Remediation Group in the Ottawa Office. Mr. Besley obtained a Technologist Diploma in the Ecosystem Management Program from Sir Sandford Fleming College in 2005 and a Bachelor of Science Degree in Honours Environmental Sciences from Trent University in 2008. Mr. Besley has gained experience working on numerous environmental site assessments and additional environmental investigations.