Phase I Environmental Site Assessment Update
700 Coronation Avenue, Ottawa, ON

Prepared for:
Mr. Mark Farrell
2317049 Ontario Inc.
168 Glenforest Road
Toronto, ON M4N 2A2

Prepared by:
Stantec Consulting Ltd.
2781 Lancaster Road, Suite 200
Ottawa, ON K1B 1A7

April 17, 2012

Project No. 122510666

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1 BACKGROUND

Further to your request, Stantec Consulting Ltd. (Stantec) is pleased to provide the results of our Phase I Environmental Site Assessment (ESA) Update recently completed for the property located at 700 Coronation Avenue in Ottawa, Ontario, herein referred to as the "Site". It is Stantec's understanding that the Phase I ESA update was completed in preparation for a City of Ottawa site plan approval for further development on the Site. The purpose of the Phase I ESA Update was to determine if evidence of potential or actual contamination exists in connection with the Site, which may be present as a result of current or past activities on the Site or neighbouring properties that occurred after the completion of the 2004 Phase I ESA Update. Therefore, this Phase I ESA Update letter must be read in conjunction with the previous Phase I ESA completed by Jacques Whitford (now Stantec) in 2001, and the Phase I ESA Update completed by Jacques Whitford in 2004.

2 PROPERTY DESCRIPTION

The Site is located west of the intersection of Coronation Avenue and Russell Road and legally described as Plan 605, part of Block F, Registered Plan 5R-7688, Part 1 and 4. The Site is owned and operated by MJ Asset Management Ltd., and estimated to be approximately 0.86 acres (0.35 hectares) in area, and consists of a 30-unit residential building, an asphalt parking lot, and landscaped areas. There is currently one entrance into the Site from Coronation Avenue. A fence is located around the perimeter of the Site.

The Site and visible portions of properties adjoining the Site were assessed for the presence of actual or potential environmental contamination during the April 4, 2012, site visit. All areas of the Site were accessible during the site visit with the exception of the residential units. The exteriors and interiors of the buildings were assessed.

A location map of the Site is included as Drawing No. 1 and a site plan is included as Drawing No. 2 in **Appendix A**. Selected site photographs are included in **Appendix B.**

3 PREVIOUS ENVIRONMENTAL ASSESSMENT REPORTS

The following previous reports were used as a source of background information.

According to the information contained in the previous report titled *Intrusive Site Assessment – Former Underground Fuel Oil Storage Tank, 700 Coronation Avenue, Ottawa, Ontario*, completed by Jacques Whitford, dated September 9, 1997, a Phase I Environmental Questionnaire completed in March 1996 by Jacques Whitford identified the presence of an underground storage tank (UST). As a result, the 4,450 L fuel oil UST was removed from the parking lot area but no confirmatory soil samples were collected for laboratory analysis. Jacques Whitford drilled seven boreholes in the vicinity of the former UST and five soil samples were submitted for laboratory analysis. The measured concentrations met the applicable criteria for benzene, toluene, ethylbenzene, xylenes and total petroleum hydrocarbons. Based on the results no further work was warranted.

Stantec reviewed the next previous report titled *Phase I Environmental Site Assessment, 700 Coronation Avenue, Ottawa, Ontario*, completed by Jacques Whitford, dated February 9, 2001. Asbestos containing materials (ACMs) were observed in the boiler insulation, pressure insulation, pipe insulation and elbows and the boiler room ceiling coating, but were identified to be in fair condition. The report concluded that there was no evidence of potential significant environmental impacts associated with the Site.

The most recent environmental report for the Site is titled *Phase I Environmental Site Assessment Update, 700 Coronation Avenue, Ottawa, Ontario*, completed by Jacques Whitford, dated June 24, 2004. The report concluded that there was no evidence of environmental contamination in connection with the Site.

Stantec was provided with a report titled *Geotechnical Investigation, Proposed Residential Building, 700 Coronation Avenue, Ottawa, Ontario*, completed by The Paterson Group, dated March 19, 2012. Five borehole/monitoring wells were advanced at the Site during the subsurface investigation. Based on their observations, the Site soils were described as a fill layer of crushed stone, brown silty clay and silty sand overlying glacial till material. Bedrock was encountered at one location at a depth of 4.4 metres below grade and was described as black shale. No soil or groundwater samples were submitted or analysed for environmental contaminants of concern.

4 BUILDING HISTORY

The three storey apartment building is located on the eastern section of the Site and was reportedly constructed in 1964. The building has a footprint of approximately 700 square metres and consists of 30 residential units, a lobby, one main floor laundry room, boiler/electrical room, storage closets, and two tenant storage areas.

The following is a summary of the history of the Site:

Table 1 – Historical Information

Period/Date	Land Use/ Tenants	Sources of Information
Pre-1964	Agricultural/undeveloped	Jacques Whitford, Phase I ESA, 2001
1964 - 2012	Current residential building & asphalt parking lot	Jacques Whitford, Phase I ESA Update, 2004 and Stantec site visit, 2012

5 REGULATORY REVIEW

Available environmental databases and records were searched to determine if the Site, adjacent, and other neighbouring properties were listed. The databases and search results are presented below.

A request was made to the Ontario Ministry of Environment (MOE) through the Freedom of Information and Privacy Protection Office for a search of their records regarding charges and/or convictions of owners or tenants of the Site or violations of applicable environmental regulations issued against the Site. A reply from the MOE had not been received at the time of the issuance of this report. We will forward any information received from the MOE upon receipt. Copies of the 2004 response and the current request are included in **Appendix C**.

Boreholes

According to the EcoLog ERIS report, no boreholes were listed for the Site; however, four are listed for neighbouring properties (within 250 m). The borehole depths ranged from 3 to 50.9 metres below grade. Subsurface soil observed during the investigation was reported to comprise of clays, with shale bedrock encountered between 3 to 7.6 metres below grade.

Water Well Information System

According to the EcoLog ERIS report, no wells are listed on the Site and six are registered within 250 metres of the Site boundary. The primary use of the off-site wells was for domestic water use and observational purposes. The wells ranged in depths between 3.66 to 50.9 metres below grade. Overburden material ranged from sands, silts, clay and gravel fill, overlying slate or limestone bedrock.

Certificate of Approvals (C of As)

According to the EcoLog ERIS report, no Certificates of Approval are listed for the Site; however, one is listed for a neighbouring property (within 250 m):

- July 19, 2004, one Certificate of Approval for industrial sewage works was approved for the company RND Construction Ltd., located on 675 Industrial Avenue.

The listed C of A is not considered to be potential sources of environmental concern to the Site.

Private and Retail Fuel Storage Tanks

According to the EcoLog ERIS report one property was listed within the private and retail fuel storage tank database:

- Ottawa Carleton Learning Foundation at 709 Industrial Avenue, one 68,100 L tank.

Based on separation distance and the assumed shallow groundwater flow direction to the northwest, it is unlikely that this property has adversely impacted the Site.

Ontario Spills

According to the EcoLog ERIS report, no spills are listed as occurring on the Site; however, two spills are listed for neighbouring properties (within 250 m):

- On January 23, 1992, 10 litres of gasoline fuel was released to the ground during station delivery at 709 Industrial Avenue. Environmental impacts to the land were not anticipated.

- On October 24, 1994, an unknown quantity of petroleum was leaked from a storage tank and observed in a monitoring well at 709 Industrial Avenue. Environmental impacts to the land were listed as possible.

Based on separation distance and the assumed shallow groundwater flow direction to the northwest, it is unlikely that this property has adversely impacted the Site.

The EcoLog ERIS database report is included in **Appendix C.**

6 SITE VISIT FINDINGS AND DISCUSSION

The site visit was completed by Jason Nagasawa of Stantec on April 4, 2012. Stantec was accompanied by Leo Grzela, the property maintenance manager, and David Smithers, the property manager.

6.1 Fuel/Chemical Handling and Storage

No chemicals were identified, other than cleaning chemicals, during the April 2012 site visit. No aboveground storage tanks (ASTs) or underground storage tanks (USTs) were observed at the time of the site visit. Evidence of a former AST or UST was observed in the boiler room as suspected cut fill and vent pipes were observed. Details of the heating oil UST removed from the Site are provided in the 1997 report summarized in Section 3. The building has since been heated with natural gas.

6.2 Waste Materials

No hazardous waste generation or storage was identified to be conducted on the Site. Non-hazardous solid waste is removed by the City of Ottawa.

6.3 Spill and Stain Areas

Staining was observed on the concrete floor of the furnace room during the site visit. Three oily floor stains (less than 1 m^2 each) were observed in the vicinity of the furnace and boiler pumps, as the pumps appeared to have small oil leaks. At the time of the Site visit the concrete floor was observed to be in good condition.

6.4 Wastewater Discharges

No wastewater discharges, apart from domestic wastewater, were identified to be produced on the Site at the time of the site visit.

6.5 Fill Material

During the Site visit a file pile was observed in the southwest portion of the Site. According to the Site interviewee, the material is comprised of surplus landscaping soil.

6.6 Surface Features

During the Site visit a debris pile was observed in the southwest corner of the Site, according to the Site interviewee the debris is mainly comprised of yard wastes.

Four monitoring wells with exposed Waterra tubing were observed in the asphalt parking lot. According to the Site interviewee these were installed by the Paterson Group during the recent geotechnical investigation.

An asphalt cut was observed in the central portion of the asphalt parking lot. Based on the previous reports, this area is assumed to be the location of a former fuel oil UST that was removed in 1996 or 1997.

6.7 Air Discharges

No sources of air emissions that are suspected to result in residual contamination to the Site were identified to be present. Further, no strong, pungent, or unusual odours were identified during the site visit.

6.8 Polychlorinated Biphenyls (PCBs)

From the 1930s to the 1970s, PCBs were widely used as coolants and lubricants for electrical equipment, including transformers and capacitors, and in a number of industrial materials, including sealing and caulking compounds, inks and paint additives. The use of PCBs was prohibited in heat transfer and electrical equipment installed after September 1, 1977, and in transformers and capacitors installed after July 1, 1980.

Based on the age of the site building, it is possible that electrical equipment containing PCBs in present at the Site.

6.9 Asbestos

The common use of friable (crumbles easily by hand pressure) asbestos-containing materials (ACMs) in construction generally ceased voluntarily in the mid-1970s but was only banned through legislation in the mid-late 1980s. Asbestos was used in thousands of building products and the common uses of friable ACMs included boiler and pipe insulation, and spray-on fireproofing. Asbestos was also used in many manufactured products such as floor tiles, ceiling tiles, transite cement products and various other construction materials. Some cement drain piping currently used in the construction of buildings still contains asbestos (non-friable). Vermiculite used as insulation may be contaminated with asbestos fibres.

Based on the age of site building, it is possible that the buildings may contain friable and non-friable ACMs. According to the Site interviewee, ACMs may be present in some piping insulation. In addition, the Phase I ESA completed in 2001 revealed the presence of ACMs in the insulation of the original hot water boiler based on sampling completed in 1996.

As of November 1, 2005, a new asbestos regulation (Ontario Regulation 278/05 made under the Occupational Health and Safety Act) came into effect. Asbestos surveys undertaken prior to November 1, 2005, that were not conducted in accordance with O. Reg. 278/05 should be reviewed and reassessed to determine if they meet the requirements of the new regulation. In addition, asbestos management plans need to be implemented at properties by 2007 that are found to contain either friable or non-friable ACMs.

6.10 Urea Formaldehyde Foam Insulation (UFFI)

Urea Formaldehyde Foam Insulation (UFFI) was used as an insulation product for existing houses between the mid-1970s and its ban in Canada in 1980. It was not commonly used for commercial or industrial buildings.

Based on the age of the site building, it is possible that UFFI is present.

6.11 Lead

In 1976, the lead content in interior paint was limited to 0.5% by weight under the federal Hazardous Products Act. Lead based water supply pipes were used greater than 50 years ago. Between 1930 and 1986, most buildings used copper pipe with lead-solder joints. Other lead-based products include wall shielding (x-ray rooms).

Based on the age of the site building, lead may be present.

6.12 Ozone-Depleting Substances (ODSs)

Refrigeration and air conditioning equipment in place before 1998 may contain refrigerants containing ozone-depleting substances. Non-ODS refrigerants have been developed and are available to replace these materials in newer equipment.

Sources of ODSs present on the Site were limited to minor quantities of refrigerant present in tenant owned air conditioners.

6.13 Radon

Radon is a radioactive gas associated with uranium rich black shale and/or granite bedrock. Radon emits alpha particles and produces several solid radioactive products called radon daughters. Harmful levels of radon and radon daughters can accumulate in confined air spaces, such as basements and crawl spaces.

Based on the geology of the area and the bedrock type known to be on the Site (black shale), radon gas accumulation may be an issue in the partial basement at the Site.

6.14 Electromagnetic Fields (EMS)

Electrical currents induce electromagnetic fields. No scientific data supports definitive answers to questions about the existence or non-existence of health risks related to electromagnetic fields.

No high-voltage transmission lines or electrical substations were identified on or adjacent to the Site.

6.15 Noise and Vibration

The effects of noise and vibration on human health vary according to the susceptibility of the individual exposed, the nature of the noise/vibration and whether exposure occurs in the working environment or in the home.

No major or persistent sources of noise and vibration were identified on the Site at the time of the site visit.

6.16 Hydraulic Hoists and Elevators

No hydraulically operated hoists or elevators were observed or noted on-site.

6.17 Odours

No significant odours of concern (strong, pungent, or noxious odours) were identified at the Site.

6.18 Mold

The growth of mold in indoor environments is typically due to a moisture problem related to building envelope or mechanical systems deficiencies or design, and can produce adverse health effects. There is no practical way to eliminate all mold and mold spores in the indoor environment. The way to control mold is to control moisture.

Evidence of water damage was observed in a storage closet. According to the Site interviewee, the water damage was a result of an upstairs bathtub leak.

6.19 Adjacent Property Uses

The neighbouring property uses to the south, east, and west remain residential which is consistent with the Phase I ESA completed by Jacques Whitford in 2001 and the Phase I ESA Update completed by Jacques Whitford in 2004. The north adjacent property

(across Coronation Avenue) remains commercial spaces; however, the gasoline service station, Petro-Canada formerly located further to the north at 709 Industrial Road, has been removed.

7 CONCLUSIONS AND RECOMMENDATIONS

The Phase I ESA Update has revealed no evidence of environmental contamination associated with the Site. No further environmental investigations of soil and/or groundwater are recommended at this time.

As a best management practice, Stantec recommends the following:

- All on-site monitoring wells should be decommissioned as per Ontario Regulation 903, as amended.
- A hazardous materials survey should be conducted to determine the presence of asbestos, PCBs, and lead prior to any renovation of the existing building. Suitable precautions and approved contractors should be used for all activities which disturb hazardous materials.
- A complete asbestos survey for both friable and non-friable ACMs should be conducted and an asbestos management plan be completed. Only approved contractors should handle any potentially asbestos containing materials.
- Air sampling for radon gas should be conducted in the basement living spaces.
- The furnace and boiler pumps should be inspected to ensure that all connections are secured to minimize future oil leaks. In addition, a spill kit should be present on-site to ensure that in the event of an oil leak, it can be properly contained to minimize any potential environmental impacts.

Please note that our conclusions and recommendations may be amended based on information requested from the MOE that has not yet been received. Stantec will provide this information to 2317049 Ontario Inc. upon receipt.

8 CLOSURE

This report has been prepared for the sole benefit of 2317049 Ontario Inc. The report may not be used by any other person or entity without the express written consent of 2317049 Ontario Inc. and Stantec Consulting Ltd. (Stantec). Any use which a third party makes of this report, or any reliance on decisions made based on it, is the responsibility of such third parties. Stantec accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions taken based on this report.

In providing services to 2317049 Ontario Inc., Stantec has relied on 2317049 Ontario Inc. to provide all existing studies, reports and other available data, including those generated by 2317049 Ontario Inc. or by retained third parties, or reports done by others for which 2317049 Ontario Inc. was entitled to rely upon. During the course of the work, Stantec may also have relied upon certain verbal or written information provided by parties knowledgeable about the Site, including government officials and other parties and on information contained in the files of government agencies available to Stantec at the time of the study. Stantec has not independently verified, and accordingly shall have no responsibility for, the accuracy, completeness, workmanship or any other aspect of the information described above. Although attempts were made, whenever possible, to obtain a minimum of two confirmatory sources of information, Stantec in certain instances has been required to assume that the information provided is accurate.

The information and conclusions contained in this report are based upon work undertaken by trained professional and technical staff in accordance with generally accepted engineering and scientific practices current at the time the work was performed. The conclusions and recommendations presented represent the best judgment of Stantec based on the data obtained during the assessment. Due to the nature of assessment and the limited data available, Stantec cannot warrant against undiscovered environmental liabilities. Conclusions and recommendations presented in this report should not be construed as legal advice.

Since the purpose of a Phase I ESA Update is to identify evidence of potential or actual contamination, the identification of site conditions which may pose a non-environmental risk to buildings or people on the Site is beyond the scope of this assessment. (Examples include, but are not limited to, underground mine workings, volcanic or earthquake activities, severe weather, and/or flood plains in the area). Stantec accepts no responsibility for damages, if any, suffered as a result of any non-environmental risk. Should additional information become available which differs significantly from our understanding of conditions presented in this report,

we request that this information be brought to our attention so that we may reassess the conclusions provided herein.

This Phase I ESA Update letter must be read in conjunction with the 2004 Phase I ESA Update and the 2001 Phase I ESA previously completed at the Site by Jacques Whitford.

This report was prepared by Jason Nagasawa, M.Sc., and reviewed by Jane Yaraskavitch, M. Eng., P.Eng.

Respectfully Submitted,

STANTEC CONSULTING LTD.

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Distribution: (12) Addressee (plus PDF via email)

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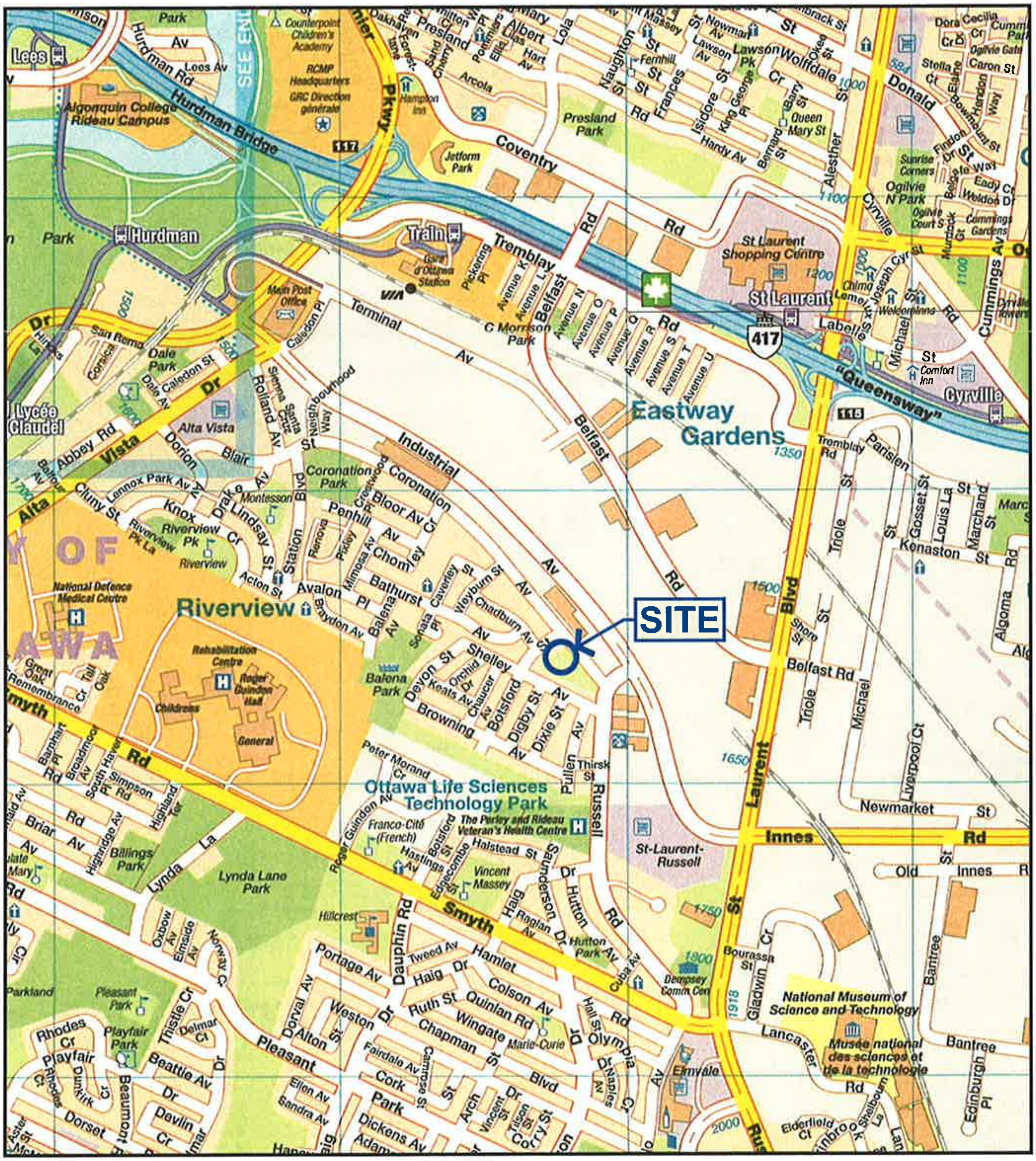
APPENDIX A

Drawings



GRAPHIC SCALE

200 0 200 400 600 800 m

1 : 20 000

REFERENCE: MAPART

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

KEY PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
700 CORONATION AVENUE, OTTAWA, ONTARIO

Job No.:	122510666
Scale:	1 : 20 000
Date:	12/04/12
Dwn. By:	GBB
App'd By:	JAY
Dwg. No.:	1

Client: 2317049 ONTARIO INC.

Stantec

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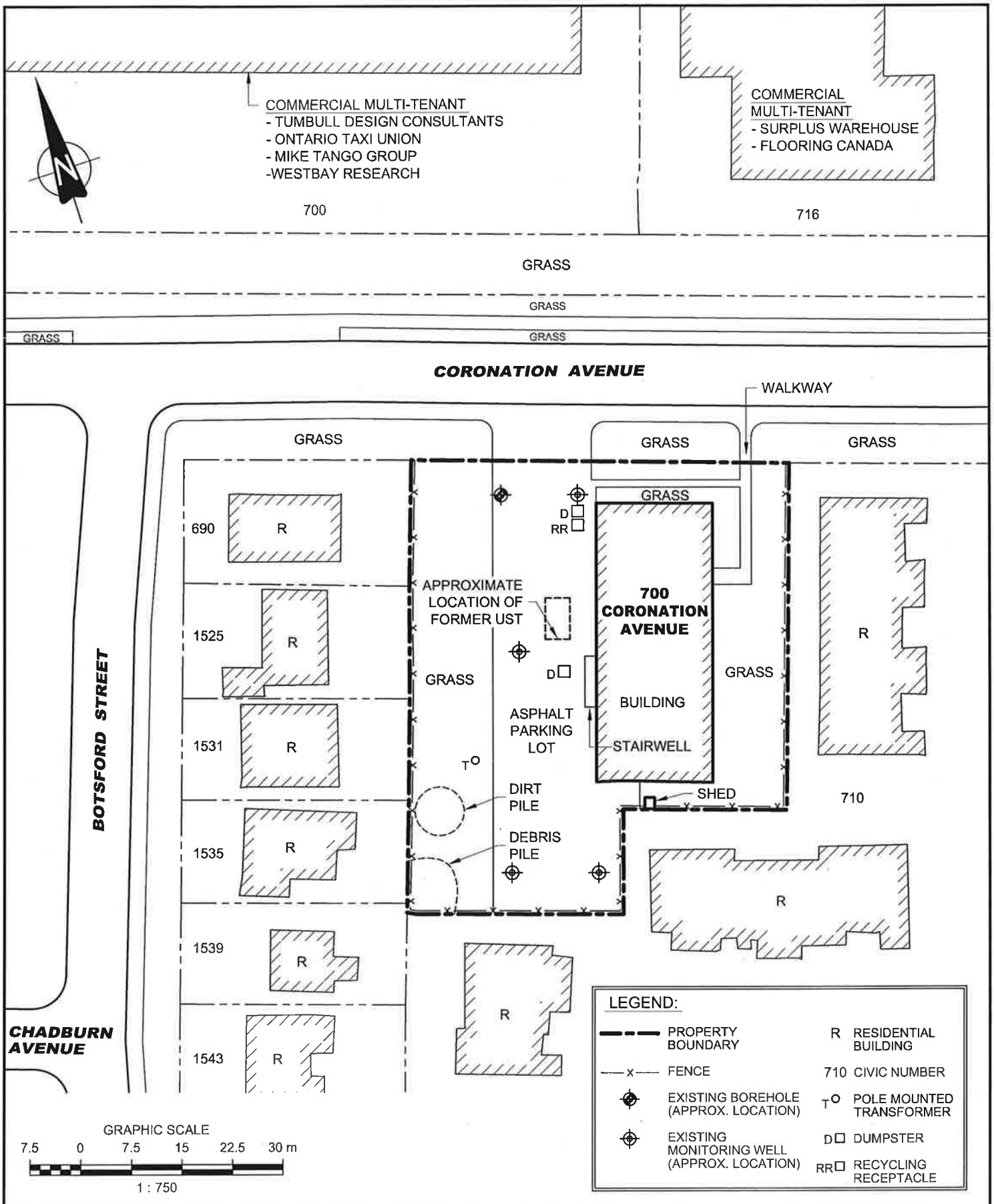

NOTE: THIS DRAWING ILLUSTRATES SUPPORTING INFORMATION SPECIFIC TO A STANTEC CONSULTING LTD. REPORT AND MUST NOT BE USED FOR OTHER PURPOSES.

SITE PLAN

PHASE I ENVIRONMENTAL SITE ASSESSMENT UPDATE
700 CORONATION AVENUE, OTTAWA, ONTARIO

Client: 2317049 ONTARIO INC.

Job No.:	122510666
Scale:	1 : 750 (Approx.)
Date:	12/04/17
Dwn. By:	GBB
App'd By:	JAY

Dwg. No.: 2

Stantec

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APPENDIX B

Site Photographs

Photo No.1: View of the Site from Coronation Avenue (facing south)

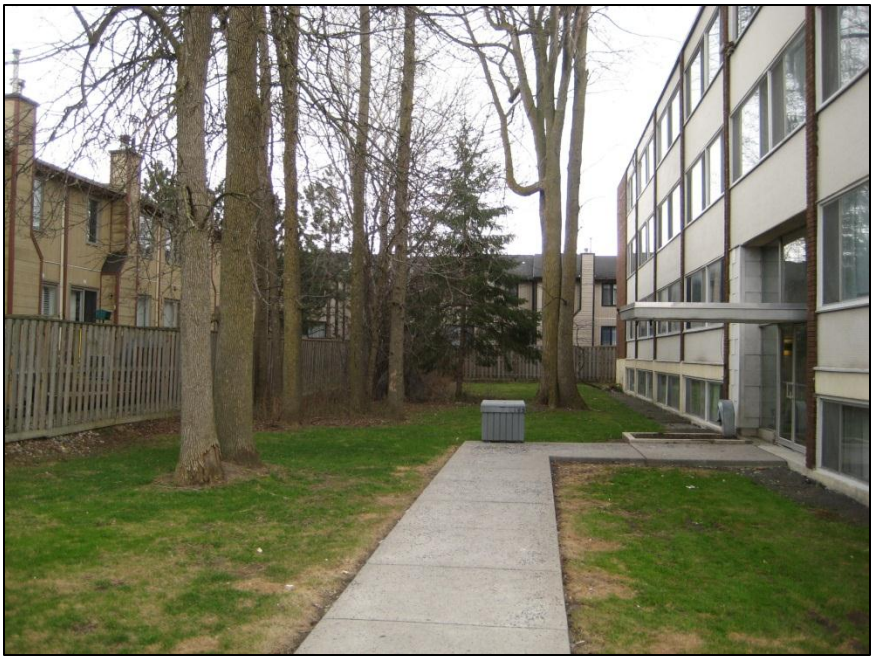

Photo No.2: View of the eastern section of the Site (facing south)

Photo No.3: View of the south section of the Site (facing west)

Photo No.4: View of a debris pile located in the southwestern corner of the Site

Photo No.5: View of a soil pile located in the southwestern section of the Site

Photo No.6: View of one of four monitoring wells with exposed Waterra tubing

Photo No.7: View of asphalt cut area in the central section of parking lot (facing south)

Photo No.8: View of two dumpsters and recycling receptacle located on the central portion of the Site (facing north)

Photo No. 9: View of eastern neighbouring property (facing southeast)

Photo No. 10: View of south neighbouring property (facing south)

Photo No.11: View of one of four western neighbouring residential houses

Photo No.12: View of north adjacent property across Coronation Avenue

Photo No.13: View of paint and cleaning chemical storage area located in the electrical room

Photo No.14: View of the furnace room

Photo No.15: View of the stained areas on the furnace room floor

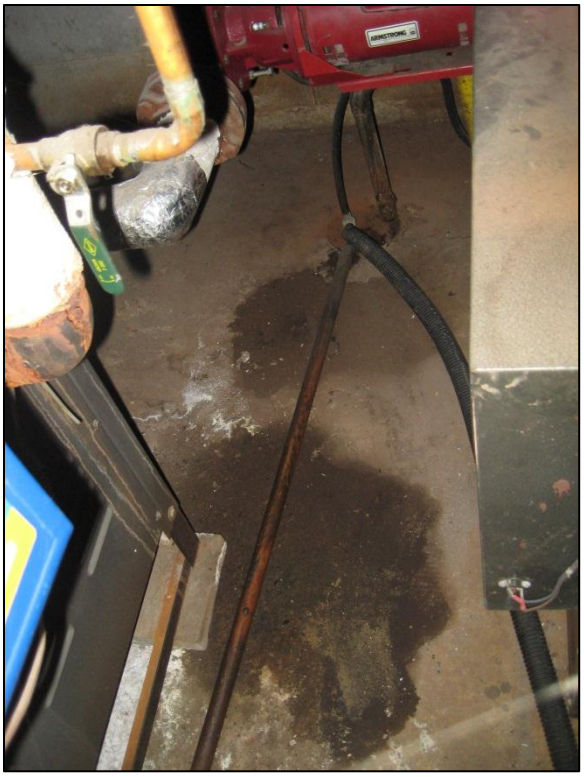

Photo No.16: View of the floor stains on the furnace room floor

Photo No.17: View of suspected old fuel oil fill and vent pipes in the furnace room.

Photo No.18: View of the laundry room with floor drain

Photo No.19: View of water damaged ceiling in a storage room

Photo No.20: View of basement with sump

APPENDIX C

Supporting Documentation

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*** TX REPORT ***
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TRANSMISSION OK

JOB NO.	2010
DESTINATION ADDRESS	14163144285
PSWD/SUBADDRESS	
DESTINATION ID	
ST. TIME	04/02 10:53
USAGE T	00'31
PGS.	3
RESULT	OK

STANTEC CONSULTING LTD.
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Canada, K1B 1A7

Tel: (613) 738-0708
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Engineering, Scientific, Planning and Management Consultants

FACSIMILE TRANSMISSION

TO	ATTENTION	FAX NUMBER
MOE Freedom of Information and Privacy Protection Office	Ms. Heather Hill	416-314-4285
FROM	**DATE**	**FILE**
Josée Martel	2011-04-02	122510666

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Original to Follow No ☒ Yes ☐ By _____

COMMENTS/MESSAGE:

Dear Ms. Hill,

Stantec Consulting Ltd. would like to make a formal request under the Freedom of Information and Protection of Privacy Act for information regarding the attached to ascertain the existence of any information regarding infractions or violations of applicable environmental regulations, any reportable spill occurrences.

We appreciate your assistance in collecting this information. Please see the attached Visa Preauthorization to deduct the $5 fee from our prepaid account as well as $30.00 for processing fees. Should you have any questions or require additional information, please contact me at (613)-738-0708

Thank you in advance for your assistance in the above matter.

Sincerely,

STANTEC CONSULTING LTD.
2781 Lancaster Road, Suite 200
Ottawa, Ontario
Canada, K1B 1A7

Tel: (613) 738-0708
Fax: (613) 738-0721

Engineering, Scientific, Planning and Management Consultants

FACSIMILE TRANSMISSION

TO	ATTENTION	FAX NUMBER
MOE Freedom of Information and Privacy Protection Office	Ms. Heather Hill	416-314-4285
FROM	**DATE**	**FILE**
Josée Martel	2011-04-02	122510666

We are transmitting a total of **3** page(s), including this page. If not well received, please call (613) 738-0708. May contain confidential information. If you have received in error, please notify us and destroy the original.

Original to Follow No ☒ Yes ☐ By _____

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Thank you in advance for your assistance in the above matter.

Sincerely,

Josée Martel

Josée Martel
Administrative Assistant
Environmental Services
(613) 738-0708 Ext 3223
Josee.Martel@stantec.com

Ministry of the Environment
Freedom of Information and Protection of Privacy Office
40 St. Clair Avenue West, 12th Floor
Toronto, ON M4V 1M2
Tel: 416-314-4075
Fax: 416-314-4285

Ontario

Use this form to request records that 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 Josée Martel Stantec Consulting Ltd. 200-2781 Lancaster, Ottawa, ON, K1B 1A7 Email Address: josee.martel@stantec.com			FOI Request No.	Date Request Received
			Fee Paid ☐ CHQ ☐ VISA/MC/AMEX ☐ CASH/MONEY ORDER	
Tel: 613-738-0708 Fax: 613-738-0721	Your Project/ Reference No. 122510666	Signature of Requester JM	☐ CNR ☐ ER ☐ NOR ☐ SWR ☐ WCR ☐ IEB ☐ EAA ☐ EMR ☐ SCB ☐ SDW	

Request Parameters

Municipal Address/Lot, Concession, Geographic Township **(Municipal address mandatory for cities, towns or regions)**

MJ Asset Management Ltd., 700 Cornation Avenue, Ottawa, ON, PLan 605 PT BLK F RP5R-7688: Part 1 & 4 (apartments)

Present Property Owner(s) and Date(s) of Ownership

Previous Property Owner(s) and Date(s) of Ownership

Present/Previous Tenant(s) (if applicable)

Search Parameters Files older than 2 years may require $60.00 retrieval cost. There is no guarantee that records responsive to your request will be located.	**Specify Year(s) Requested**
Environmental concerns (General correspondence, occurrence reports, abatement)	All
Orders	All
Spills	All
Investigations/prosecutions ▸ ***Owner and tenant information must be provided***	All
Waste Generator number/classes	All

Certificates of Approval ▸ Proponent information must be provided and Certificates of Approval number(s) (if known). 1985 and prior records are searched manually. **Search fees in excess of $300.00** may be incurred, depending on the types and years of records to be searched. **If supporting documents are also required, mark SD box.**

		SD	Specify Year(s) Requested
Air - *emissions*			
Renewable Energy			
Water - *mains, treatment, ground level, standpipes & elevated storage, pumping stations (local & booster)*			All
Sewage - *sanitary, storm, treatment, stormwater, leachate & leachate treatment & sewage pump stations*			
Waste water - *industrial discharge*			All
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*		

Jacques Whitford Environment Limited

Consulting Engineers
Environmental Scientists
Risk Consultants

ISO 9001
ISO 14001

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E-mail: info@jacqueswhitford.com

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Maine • New Hampshire • Massachusetts • Connecticut • Florida • Rhode Island • Pennsylvania • New York • Trinidad • Russia • Argentina • Brunei

July 19, 2004

FILE COPY

M.J. Asset Management
533 Gilmore Street
Ottawa, Ontario
K1R 5L3

Project No. ONO63311

Dear Mr. Earl:

Re: Phase I Environmental Site Assessment
700 Coronation Avenue, Ottawa, Ontario

With regards to the above-noted property, the Ontario Ministry of the Environment (MOE) has informed us that there are no records in their files. A copy of the response from the MOE is enclosed.

Please do not hesitate to contact me if you have any questions or require further information.

Yours truly,

JACQUES WHITFORD LIMITED

Jill Peters, B. Eng.
Project Manager

JAP/mah

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Ministry of the Environment

Freedom of Information and Protection of Privacy Office

12th Floor
40 St. Clair Avenue West
Toronto ON M4V 1M2
Tel: (416) 314-4075
Fax: (416) 314-4285

Ministère de l'Environnement

Bureau de l'accès à l'information et de la protection de la vie privée

12e étage
40, avenue St. Clair ouest
Toronto ON M4V 1M2
Tél. : (416) 314-4075
Téléc. : (416) 314-4285

Ontario

July 13, 2004

Ms. Melodie Helman
Jacques Whitford Environment Ltd.
2781 Lancaster Road
Ottawa, ON K1B 1A7

Rec'd JW
JUL 16 2004

Dear Ms. Helman:

RE: ***Freedom of Information and Protection of Privacy Act* Request**
Our File # ER042187
Your Reference # ONO63311

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 700 Coronation Drive, Ottawa.

After a thorough search through the files of the Ministry's Ottawa District Office, Spills Action Centre, Investigations and Enforcement Branch, Environmental SWAT Team and the Environmental Monitoring and Reporting Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is $30.00 for 1 hour of search time @ $30.00 per hour. We have applied the $30.00 for this request from your initial payment. This file is now closed.

If you object to any decision I have made, you may request a review by contacting the Information and Privacy Commissioner, 2 Bloor Street East, Suite 1400, Toronto, Ontario, M4W 1A8. Please note that there is a $25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Sharon Menzies at (416) 327-1429.

Yours truly,

Jim Lewis
Manager

c: S. Amey, P. McIsaac, L. Paiva, A. Qureshi

Canada's Primary Environmental Risk Information Service

Project Site:	**Phase I Update** **700 Coronation Avenue** **Ottawa, ON**
Client:	**Jason Nagasawa** **Stantec Consulting Ltd.** **2781 Lancaster Road** **Ottawa, ON K1B1A7**
ERIS Project No:	**20120402007**
Report Type:	**Custom Report - .25km Search Radius**
Prepared By:	**Matt Thompson** mthompson@eris.ca
Date:	**April 10, 2012**

Table of Contents

Order Number: 20120402007
Site Name: Phase I Update
Site Address: 700 Coronation Avenue Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

Report Summary

Order Number: 20120402007
Site Name: Phase I Update
Site Address: 700 Coronation Avenue Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

Number of Mappable Records Surrounding the Site

Database		Selected	On-site	Within 0.25	0.25km to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0	0
AGR	Aggregate Inventory	Y	0	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0	0
AUWR	Automobile Wrecking & Supplies	N	0	0	0	0
BORE	Borehole	Y	0	4	0	4
CA	Certificates of Approval	Y	0	3	0	3
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0	0
CHEM	Chemical Register	N	0	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0	0
CONV	Compliance and Convictions	N	0	0	0	0
CPU	Certificates of Property Use	N	0	0	0	0
DRL	Drill Hole Database	N	0	0	0	0
EASR	Environmental Activity and Sector Registry	N	0	0	0	0
EBR	Environmental Registry	Y	0	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0	0
EEM	Environmental Effects Monitoring	N	0	0	0	0
EHS	ERIS Historical Searches	N	0	5	0	5
EIIS	Environmental Issues Information System	N	0	0	0	0
EXP	List of TSSA Expired Facilities	N	0	18	0	18
FCON	Federal Convictions	Y	0	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0	0
FOFT	Fisheries & Oceans Fuel Storage Tanks	N	0	0	0	0
FST	Fuel Storage Tank	Y	0	5	0	5
GEN	Ontario Regulation 347 Waste Generators Summary	N	0	39	0	39
HINC	TSSA Historic Incidents	N	0	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	N	0	0	0	0
INC	TSSA Incidents	N	0	2	0	2
LIMO	Landfill Inventory Management Ontario	Y	0	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0	0
MNR	Mineral Occurrences	N	0	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	N	0	0	0	0
NCPL	Non-Compliance Reports	N	0	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	N	0	0	0	0
NDSP	National Defence & Canadian Forces Spills	N	0	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	N	0	0	0	0
NEES	National Environmental Emergencies System (NEES)	N	0	0	0	0
NPCB	National PCB Inventory	Y	0	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0	0

Report Summary

Order Number: 20120402007
Site Name: Phase I Update
Site Address: 700 Coronation Avenue Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

Database		Selected	On-site	Within 0.25	0.25km to 0.25km	Total
ORD	Orders	N	0	0	0	0
PAP	Canadian Pulp and Paper	N	0	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	N	0	0	0	0
PES	Pesticide Register	Y	0	1	0	1
PINC	TSSA Pipeline Incidents	N	0	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	2	0	2
PTTW	Permit to Take Water	N	0	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	N	0	0	0	0
RSC	Record of Site Condition	Y	0	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	16	0	16
SPL	Ontario Spills	Y	0	5	0	5
SRDS	Wastewater Discharger Registration Database	N	0	0	0	0
TANK	Anderson's Storage Tanks	N	0	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	N	0	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	N	0	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	N	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	N	0	0	0	0
WWIS	Water Well Information System	Y	0	6	0	6
		TOTAL	0	106	0	106

The databases chosen by the client as per the submitted order form are denoted in the 'Selected' column in the above table. Counts have been provided outside the primary buffer area for cursory examination only. These records have not been examined or verified, therefore, they are subject to change.

SITE DIAGRAM

ECOLOG ERIS
Pinpointing Your Environmental Risks
12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: Phase I Update
700 Coronation Avenue
Ottawa, ON

ERIS Project #: 20120402007

Date: APR-11-2012

LEGEND

- Project Property
- Database Location

Points of Interest
- Chimney
- Silo

Pipe & Transmission Lines
- Pipeline
- Transmission Line
- Transmission Tower
- Transformer Station

Rail
- Railway - Main
- Railway - Sidetrack
- Railway - Abandoned
- Bridge
- Tunnel

Transportation - Other
- Embankment
- Trail
- Runway

Hydrographic Features
- Permanent Waterway
- Intermittent Waterway
- Open Reservoir
- Dyke/Levee
- Dam
- Breakwall
- Wetland

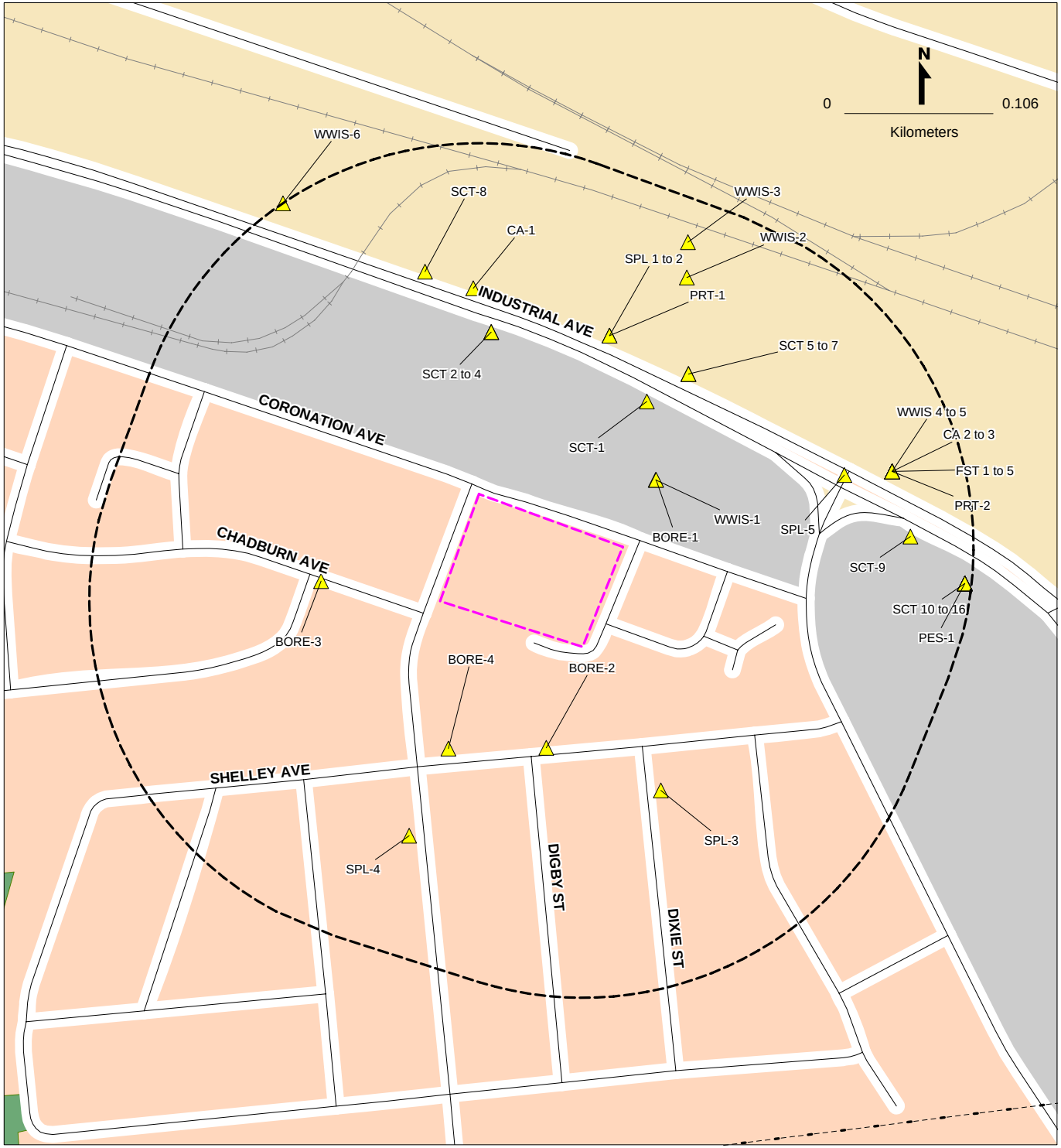
Landuse Classifications
- Open Area
- Residential
- Commercial
- Resource and Industrial
- Government and Institutional
- Parks and Recreational
- Waterbody

Recreation
- Golf Course/Driving Range
- Park/Sports Field
- Other Recreation Area
- Sports/Race Track
- Cemetery
- Campground

Vegetation
- Wooded Area
- Orchard
- Vineyard

Industrial Resources
- Conveyor
- Crane: Moveable
- Crane: Stationary
- Tank
- Rock Cut
- Auto Wrecker
- Lumber Yard
- Pit

This diagram is to be used solely for relative street location purposes. It may not accurately portray street or site positions.



Site Report

Order Number: 20120402007
Site Name: Phase I Update
Site Address: 700 Coronation Avenue Ottawa, ON
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

A search has been conducted for this site (address) and company name. No records were found, within the database(s) selected, that meet either of these criteria.

Detail Report

Order Number: 20120402007
Site Name: Phase I Update
Site Address: 700 Coronation Avenue Ottawa ON
Report Type: Custom Report, 0.25 km Search Radius

If information is required for sites located beyond the selected address, please contact your ERIS representative.

Borehole

Certificates of Approval

Fuel Storage Tank

Pesticide Register

Private and Retail Fuel Storage Tanks

Scott's Manufacturing Directory

Ontario Spills

Water Well Information System

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-1			614968	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 450131.000
Northing: 5028602.000
Location Accuracy:
Orig. Ground Elevation(m): 73.199997
Elev. Reliability Note:
DEM Ground Elevation(m): 73.300003
Total Depth(m): 50.900002
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date: 1950-MAY
Static Water Level: 3.900000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399955	0	1.800000	SOIL.
218399956	1.800000	7.600000	CLAY. BLUE.
218399957	7.600000	50.900002	SHALE. GREY. 001670148 STABLE AT 227.1 FEET.SOFT,FISSURED. CLAY. GREY,SOFT. CLAY. GREY

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-2			614962	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 450051.000
Northing: 5028412.000
Location Accuracy:
Orig. Ground Elevation(m): 74.699997
Elev. Reliability Note:
DEM Ground Elevation(m): 76.500000
Total Depth(m): -999.000000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218399940	0	3	CLAY.
218399941	3		BEDROCK. N. SHALE. GREY. 00157FF,FISSURED. CLAY. GREY,SOFT,FISSURED. CLAY. GREY,SOFT

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-3			613175	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 449891.000
Northing: 5028532.000
Location Accuracy:
Orig. Ground Elevation(m): 74.699997
Elev. Reliability Note:
DEM Ground Elevation(m): 75.599998
Total Depth(m): -999.000000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level: 0.900000
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218394016	0	0.600000	CLAY.
218394017	0.600000	3	SHALE. LOOSE.
218394018	3		BEDROCK. WATER STABLE AT 242.1 FEET.AND. HARD. SAND. HARD. SAND. 00860060003NE.

Borehole

Map Key	Company	Address	Borehole ID	Type	Use
BORE-4			613158	Borehole	

Status:
Drill Method:
UTM Zone: 18
Easting: 449981.000
Northing: 5028412.000
Location Accuracy:
Orig. Ground Elevation(m): 75.300003
Elev. Reliability Note:
DEM Ground Elevation(m): 76.699997
Total Depth(m): -999.000000
Primary Name:
Township:
Concession:
Lot:
Municipality
Completion Date:
Static Water Level:
Primary Water Use:
Secondary Water Use:
Location Description:

Geology Stratum ID	Top Depth(m)	Bottom Depth(m)	Stratum Desc
218393949	0	1.500000	CLAY. BROWN.
218393950	1.500000	3	GRAVEL.
218393951	3	4.600000	CLAY.
218393952	4.600000		BEDROCK. BROWN,GREY,FIRM,FISSURED. CLAY. BROWN,GREY, VERY STIFF TO STIFF,FISSURED. CLAY. GR

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	RND Construction Ltd.	675 Industrial Avenue Ottawa K1G 0Z1	4213-62TJ4Q	2004	7/19/2004	Industrial Sewage Works	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-2	R.M. OF OTTAWA-CARLETON	735 INDUSTRIAL AVE. MELTWATER OTTAWA CITY K1G 5J1	3-1053-94-	94	11/3/1994	Municipal sewage	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
CA-3	City of Ottawa	735 Industrial Ave Ottawa K1G 5J1	1905-7JDQ48	2009	2/13/2009	Industrial Sewage Works	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					
n/a	City of Ottawa	Lot 13 Ottawa	3399-6BVHAA	2005	6/10/2005	Air	Approved	
			Client Name: **Client Address:** **Client City:** **Client Postal Code:** **Project Description:** **Contaminants:** **Emission Control:**					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	Petro-Canada	Ottawa	5607-79YMZ8	2008	2/12/2008	Industrial Sewage Works	Approved	

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

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-1	REGIONAL MUNICIPALITY OF OTTAWA CARLETON ATTN : MARC LEVESQUE	735 INDUSTRIAL AV OTTAWA K1G 5J1	1/22/1991	Licensed	August 2007	Private Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	10000	1988		Liquid Fuel Single Wall UST - Gasoline
Active	10000	1988		Liquid Fuel Single Wall UST - Gasoline
Active	25000	1988		Liquid Fuel Single Wall UST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-2	REGIONAL MUNICIPALITY OF OTTAWA CARLETON ATTN : MARC LEVESQUE	735 INDUSTRIAL AV OTTAWA K1G 5J1	1/22/1991	Licensed	December 2008	Private Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	10000	1988		Liquid Fuel Single Wall UST - Gasoline
Active	10000	1988		Liquid Fuel Single Wall UST - Gasoline
Active	25000	1988		Liquid Fuel Single Wall UST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-3	REGIONAL MUNICIPALITY OF OTTAWA CARLETON ATTN : MARC LEVESQUE	735 INDUSTRIAL AV OTTAWA K1G 5J1			January 2010	Private Fuel Outlet	FS PRIVATE FUEL OUTLET - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	10000	1988	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	25000	1988	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-4	REGIONAL MUNICIPALITY OF OTTAWA CARLETON ATTN : MARC LEVESQUE	735 INDUSTRIAL AV OTTAWA K1G 5J1			June 2010	Private Fuel Outlet	FS PRIVATE FUEL OUTLET - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	10000	1988	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	25000	1988	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel

Fuel Storage Tank

Map Key	Company	Address	License Issue Date	Tank Status	Tank Status As Of	Operation Type	Facility Type
FST-5	REGIONAL MUNICIPALITY OF OTTAWA CARLETON ATTN : MARC LEVESQUE	735 INDUSTRIAL AV OTTAWA K1G 5J1			June 2011	Private Fuel Outlet	FS PRIVATE FUEL OUTLET - SELF SERVE

Status	Capacity (L)	Year of Installation	Corrosion Protection	Tank Fuel Type
Active	25000	1988	Sacrificial anode	Liquid Fuel Single Wall UST - Diesel
Active	10000	1988	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline
Active	10000	1988	Sacrificial anode	Liquid Fuel Single Wall UST - Gasoline

Pesticide Register

Map Key	Company	Address	Licence No.	Licence Type
PES-1	PCO SERVICES INC	830 INDUSTRIAL AVE; UNIT 9 OTTAWA K1G 4B8		Operator

Private and Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Type	Expiry Date	Capacity (L)	Licence #
PRT-1	OTTAWA CARLETON LEARNING FOUNDATION	709 INDUSTRIAL AV OTTAWA K1G 0Z1	10972	retail	1994-10-31	68100	0053776001
PRT-2	REGIONAL MUNICIPALITY OF OTTAWA CARLETON ATTN : DO	735 INDUSTRAIL AV OTTAWA K1G 5J1	10956	private		45000.00	0001056865

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-1	Gervais Electronics	716 Industrial Ave Unit 1 Ottawa K1G 0Y9	01-NOV-76	2600		417320	Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors
						443110	Appliance, Television and Other Electronics Stores
						416110	Electrical Wiring and Construction Supplies Wholesaler-Distributors
						416330	Hardware Wholesaler-Distributors
SCT-2	Nedco Québec	700 Industrial Ave Ottawa K1G 0Y9				416110	Electrical Wiring and Construction Supplies Wholesaler-Distributors
						417320	Electronic Components, Navigational and Communications Equipment and Supplies Wholesaler-Distributors
						416120	Plumbing, Heating and Air-Conditioning Equipment and Supplies Wholesaler-Distributors
						416110	Electrical Wiring and Construction Supplies Wholesaler-Distributors
SCT-3	PhotoCAD Inc.	700 Industrial Ave Unit 1B Ottawa K1G 0Y9	1990	3100		334410	Semiconductor and Other Electronic Component Manufacturing
						335315	Switchgear and Switchboard, and Relay and Industrial Control Apparatus Manufacturing
						339990	All Other Miscellaneous Manufacturing
						541340	Drafting Services
						541510	Computer Systems Design and Related Services
SCT-4	Broadleaf Logistics	700 Industrial Ave Suite 401 Ottawa K1G 0Y9				416320	Lumber, Plywood and Millwork Wholesaler-Distributors
						416390	Other Specialty-Line Building Supplies Wholesaler-Distributors
						416310	General-Line Building Supplies Wholesaler-Distributors
						416320	Lumber, Plywood and Millwork Wholesaler-Distributors

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-5	PARMA RAVIOLI LTD.	715 INDUSTRIAL AVE OTTAWA K1G 0Z1	1982	1200	6	2032	CANNED SPECIALTIES
						2098	MACARONI, SPAGHETTI, VERMICELLI, & NOODLES
SCT-6	Total Fire Protection Inc.	715 Industrial Ave Ottawa K1G 0Z1	01-SEP-85			416110	Electrical Wiring and Construction Supplies Wholesaler-Distributors
						416110	Electrical Wiring and Construction Supplies Wholesaler-Distributors
SCT-7	Rieger Printing Ink Co. Ltd.	715 Industrial Ave Unit 4 Ottawa K1G 0Z1	1942	2000		325910	Printing Ink Manufacturing
SCT-8	Jordash Co. Ltd.	663 Industrial Ave Ottawa K1G 0Z1	01-AUG-79	26000		417920	Service Establishment Machinery, Equipment and Supplies Wholesaler-Distributors
						321919	Other Millwork
						417920	Service Establishment Machinery, Equipment and Supplies Wholesaler-Distributors
SCT-9	Blanchfield Commercial Kitchen	770 Industrial Ave Unit 13 Ottawa K1G 4H3	1990		15	333310	Commercial and Service Industry Machinery Manufacturing
						333413	Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing
SCT-10	Lookdisplays	830 Industrial Ave Unit 11 Ottawa K1G 4B8	1977	2500	6	323115	Digital Printing
						323120	Support Activities for Printing
						337215	Showcase, Partition, Shelving and Locker Manufacturing
						339950	Sign Manufacturing
						417910	Office and Store Machinery and Equipment Wholesaler-Distributors
						418990	All Other Wholesaler-Distributors

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-11	Lookdisplays	830 Industrial Av Unit 11 Ottawa K1G 4B8	1977	2500	6	323115	Digital Printing
						323120	Support Activities for Printing
						337215	Showcase, Partition, Shelving and Locker Manufacturing
						339950	Sign Manufacturing
						414430	Photographic Equipment and Supplies Wholesaler-Distributors
SCT-12	Bexley Digital Printing and Imaging	830 Industrial Av Unit 11 Ottawa K1G 4B8	1977	1290	2		
SCT-13	MICRON PRÉCISION INC.	830 INDUSTRIAL AVE UNIT 11 OTTAWA K1G 4B8	0000	0	0	332710	Machine Shops
SCT-14	Truck Trader Magazine	830 Industrial Ave Unit 10 Ottawa K1G 4B8				511120	Periodical Publishers
SCT-15	Auto Trader	830 Industrial Ave Unit 10 Ottawa K1G 4B8				511120	Periodical Publishers
SCT-16	Liumar Technologies Corp.	830 Industrial Ave Unit 8 Ottawa K1G 4B8	01-JUN-91			333990	All Other General-Purpose Machinery Manufacturing

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-1	PETRO-CANADA	AT FORMER PETRO-CANADA SERVICE CENTRE AT 709 INDUSTRIAL RD. SERVICE STATION OTTAWA CITY K1G 0Z1	106645	10/24/1994	10/24/1994		
			Incident Summary:	PETRO-CANADA - PETROLEUM PRODUCT FOUND IN MONITORING WELL.			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Soil Contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
SPL-2	PETRO-CANADA	AT PETRO CANADA STATION AT 709 INDUSTRIAL AVE. TANK TRUCK (CARGO) OTTAWA CITY K1G 0Z1	66353	1/23/1992	1/23/1992		
			Incident Summary:	PETRO CANADA - 10 L OF GASOLINE TO PAVEMENT AT STATION DURING DELIVERY.			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	ICE/FROST DAMAGE			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
SPL-3		1585 Dixie St Ottawa K1G 0P2	5657-8JWJ9T	7/17/2011	7/19/2011	FURNACE OIL	2 L
			Incident Summary:	TSSA FSB: furnace oil to cmt, ctd			
			Incident Cause:				
			Incident Reason:				
			Nature of Impact:				
			Receiving Medium:				
			Environmental Impact:	Not Anticipated			
SPL-4	UNKNOWN	1590 BOTSFORD ST OTTAWA CITY K1G 0R3	142507	6/3/1997	6/23/1997		
			Incident Summary:	UNKNOWN SOURCE - SMALL QUAN OIL ON GRASS. CLEANED UP			
			Incident Cause:	UNKNOWN			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
SPL-5	TRANSPORT TRUCK	INDUSTRIAL ROAD AT RUSSELL MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY	128451	6/26/1996	6/26/1996		
			Incident Summary:	CASSIDY TRANSFER-36.4 L DIESEL TO PVMT ONLY,TRUCKLOST FUEL TANK. WORKS.			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	PETRO-CANADA	SERVICE STATION OTTAWA CITY	30833	2/12/1990	2/12/1990		

Incident Summary: PETRO CANADA SERVICE STN.FURANCE OIL LEAK.
Incident Cause: OTHER CONTAINER LEAK
Incident Reason: CORROSION
Nature of Impact: Soil contamination
Receiving Medium: LAND
Environmental Impact: POSSIBLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1			1508859				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 450130.7
Northing Nad83: 5028602
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 5/20/1950
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 167 ft
Pump Rate: 8 GPM
Static Water Level: 10 ft
Flow Rate:
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m): 73.334648
Elevation Reliability:
Depth to Bedrock: 25
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL, OPEN HOLE

Thickness	Original Depth	Material Colour	Material
6 ft	6 ft		TOPSOIL, MEDIUM SAND
19 ft	25 ft	BLUE	CLAY
142 ft	167 ft	GREY	SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-2		Ottawa	7114849				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 450154
Northing Nad83: 5028746
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 10/20/2008
Primary Water Use: Monitoring
Secondary Water Use:
Well Depth: 3.66 m
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Direct Push
Flowing (y/n):
Elevation (m): 69.941596
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: PLASTIC, PLASTIC, PLASTIC, PLASTIC, PLASTIC, PLASTIC

Thickness	Original Depth	Material Colour	Material
2.44 m	2.44 m	BROWN	FILL, ROCK
0.66 m	3.1 m	GREY	OTHER
0.56 m	3.66 m	BROWN	CLAY

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		OTTAWA	1536872				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 450155
Northing Nad83: 5028771
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 11/1/2006
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 4.7 m
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Boring
Flowing (y/n):
Elevation (m): 69.701095
Elevation Reliability:
Depth to Bedrock: 7
Overburden/Bedrock: Mixed in a Layer
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0.36 m	0.36 m	BROWN	FILL, GRAVEL
0.6 m	0.96 m	BROWN	SAND, GRAVEL, SILT
1.07 m	2.03 m	GREY	SILT
2.67 m	4.7 m	GREY	TILL, SILT, SHALE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-4		735 INDUSTRIAL AVE OTTAWA	1536350				OTTAWA-CARLETON	GLOUCESTER TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone:
Utm Reliability: unknown UTM
Construction Date: 5/9/2006
Primary Water Use: Not Used
Secondary Water Use:
Well Depth: 3.96 m
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: Boring
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 8
Overburden/Bedrock: Mixed in a Layer
Water Type: FRESH
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
0.08 m	0.08 m	BLACK	
0.15 m	0.23 m	BROWN	SAND, GRAVEL, FILL
0.89 m	1.12 m	BROWN	SAND, GRAVEL, SILTY
1.39 m	2.51 m	GREY	CLAY, SILTY
1.45 m	3.96 m	GREY	CLAY, TILL, LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5		735 INDUSTRIAL AVENUE Ottawa	7113699				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date:
Primary Water Use: Monitoring
Secondary Water Use:
Well Depth: 6 m
Pump Rate:
Static Water Level: 2.75 m
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Test Hole
Construction Method: H.S.A.
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: PLASTIC, PLASTIC, PLASTIC, PLASTIC, PLASTIC, PLASTIC

Thickness	Original Depth	Material Colour	Material
4.5 m	4.5 m	GREY	SAND, CLAY, SILTY
1.5 m	6 m	GREY	CLAY, SILTY

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-6		Ottawa	7105190				OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83: 449866
Northing Nad83: 5028801
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 12/18/2007
Primary Water Use: Monitoring
Secondary Water Use:
Well Depth: 15 ft
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Observation Wells
Construction Method: Boring
Flowing (y/n):
Elevation (m): 68.937088
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock:
Water Type:
Casing Material: PLASTIC

Thickness	Original Depth	Material Colour	Material
5 ft	5 ft	BROWN	SAND
10 ft	15 ft	BLACK	SAND

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 13	1520666	013			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown UTM
Construction Date: 7/17/1986
Primary Water Use: Domestic
Secondary Water Use:
Well Depth: 75 ft
Pump Rate: 20 GPM
Static Water Level: 1 ft
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status: Water Supply
Construction Method: Cable Tool
Flowing (y/n): N
Elevation (m):
Elevation Reliability:
Depth to Bedrock: 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Thickness	Original Depth	Material Colour	Material
75 ft	75 ft	GREY	LIMESTONE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12	1535508	012			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone:
Utm Reliability:
Construction Date: 5/10/2005
Primary Water Use:
Secondary Water Use:
Well Depth:
Pump Rate:
Static Water Level:
Flow Rate:
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method: Other Method
Flowing (y/n):
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Thickness	Original Depth	Material Colour	Material

Appendix: Ontario 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 descriptions for more information.

Provincial Government Source Databases:

Abandoned Aggregate Inventory Up to Sept 2002 **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 Jun 2011 **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 Mines Information System 1800-Jan 2012 **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.

Borehole 1875-Aug 2011 **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* **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.

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

Inventory of Coal Gasification Plants and Coal Tar Sites April 1987 and November 1988* **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-Feb 2012 **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-Feb 2012 **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 Holes 1886-Oct 2011 **DRL**

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

Environmental Activity and Sector Registry Oct 31, 2011-Mar 2012 **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-Feb 2012 **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-Mar 2012** **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.

List of TSSA Expired Facilities **Current to Feb 2012** **EXP**

This is a list of all expired facilities that fall under the TSSA (TSS 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.

TSSA Fuel Storage Tanks **Current to Jun 2011** **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-Oct 2010** **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** **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. We also work 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.

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

Mineral Occurrences 1846-Nov 2011 **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.

Non-Compliance Reports 1992(water only), 1994-2010 **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.

Ontario Oil and Gas Wells 1800-Feb 2012 **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.

Ontario Inventory of PCB Storage Sites 1987-Oct 2004 **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-Feb 2012 **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.

Pesticide Register 1988-Mar 2011 **PES**

The Ontario Ministry of Environment maintains a database of all manufacturers and vendors of registered pesticides.

TSSA Pipeline Incidents **June 2009-Mar 2012** **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*** **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-Feb 2012** **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 **1986-2008** **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-Feb 2012** **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).

Ontario Spills **1988-2011** **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** **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).

TSSA Variances for Abandonment of Underground Storage Tanks **Current to October 2011** **VAR**

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-Mar 2012** **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*** **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** **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.

Federal Government Source Databases: Diagram Identifier:

Environmental Effects Monitoring **1992-2007*** **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.

Environmental Issues Inventory System **1992-2001*** **EIIS**

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

Federal Convictions **1988-Jun 2007** **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 2012** **FCS**

The Treasury Board of Canada Secretariat maintains an inventory of all known contaminated sites held by various Federal departments and agencies. This inventory does not include properties owned by Crown corporations, but does contain non-federal sites for which the Government of Canada has accepted some or all financial responsibility. All sites have been classified through a system developed by the Canadian Council of Ministers of the Environment. The database provides information on company name, location, site ID #, property use, classification, current status, contaminant type and plan of action for site remediation.

Fisheries & Oceans Fuel Tanks **1964-Sept 2003** **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.

Indian & Northern Affairs Fuel Tanks **1950-Aug 2003** **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.

National Analysis of Trends in Emergencies System (NATES) **1974-1994*** **NATE**

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

National Defence & Canadian Forces Fuel Tanks **Up to May 2001*** **NDFT**

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.

National Defence & Canadian Forces Spills **Mar 1999-Aug 2010** **NDSP**

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.

National Defence & Canadian Forces Waste Disposal Sites **2001-April 2007** **NDWD**

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

National Environmental Emergencies System (NEES) 1974-2003 **NEES**

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for 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.

National PCB Inventory 1988-2008 **NPCB**

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.

National Pollutant Release Inventory 1993-2009 **NPRI**

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

Parks Canada Fuel Storage Tanks 1920-Jan 2005 **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.

Transport Canada Fuel Storage Tanks 1970-March 2007 **TCFT**

With the provinces of BC, MB, NB, NF, ON, PE, and QC; Transport Canada currently owns and operates 90 fuel storage tanks. This inventory will also include The Pickering Lands, which refers to the 7,530 hectares (18,600 acres) of land in Pickering, Markham and Uxbridge - owned by the Government of Canada since 1972. Properties on this land has been leased by the government since 1975, falls under the Site Management Policy of Transport Canada, but administered by Public Works and Government Services Canada. Our inventory provides information on the site name, location, tank age, capacity and fuel type.

Private Source Databases:

Anderson's Waste Disposal Sites 1860s-Present **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 authoritive. The information was collected for research purposes only.*

Automobile Wrecking & Supplies 2001-Jun 2010 **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.

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

ERIS Historical Searches 1999-Sept 2011 **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.

Canadian Mine Locations 1998-2009 **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.

Oil and Gas Wells Oct 2001-2011 **OGW**

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickles' database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Canadian Pulp and Paper 1999, 2002, 2004, 2005, 2009 **PAP**

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

Retail Fuel Storage Tanks 2000-Jun 2010 **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. Information is provided on company name, location and type of business.

Scott's Manufacturing Directory 1992-Mar 2011 **SCT**

Scott's Directories is a data bank containing information on over 70,000 manufacturers in Ontario. Even though Scott's listings are voluntary, it is the most comprehensive database of Ontario manufacturers available. Information concerning a company's address, plant size, and main products are included in this database. This database begins with 1992 information and is updated annually.

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