APPENDIX G

PHASE I ENVIRONMENTAL SITE ASSESSMENT

FINAL REPORT

PHASE I ENVIRONMENTAL SITE ASSESSMENT

West Transitway Extension

BAYSHORE DRIVE TO MOODIE DRIVE
OTTAWA, ONTARIO

PREPARED FOR:

MCCORMICK RANKIN CORPORATION

FEBRUARY 2010

PREPARED BY:

ecoplans Limited
Environmental Consultants

2655 North Sheridan Way, St. 280 Mississauga, ON L5K 2P8
Ph: 905-823-4988 • Fx: 905-823-2669
Email: ecoplans@ecoplans.com

PROJECT NO. 550305

EXECUTIVE SUMMARY

Ecoplans Limited (Ecoplans) was retained by McCormick Rankin Corporation (MRC), on behalf of the City of Ottawa (city) to conduct a Phase I Environmental Site Assessment (ESA) in the vicinity of Highway 417 between Holly Acres Drive and Moodie Drive, in Ottawa, Ontario (hereinafter referred to as 'site'). This Phase I ESA is being completed in support of the proposed extension of the city's West Transitway public transportation system

The principle objective of the Phase I ESA is to identify any actual or potential sources of site contamination.

The study identified the following areas of potential site contamination:

- The site is transected by Highway 417; therefore environmental impacts associated with transportation corridors (i.e. road salt) is possible;
- Background reports and historical records indicate the use of the northern portion of the site (between Holly Acres Road and Moodie Drive) as a rail line, until the late 1950s. Recommendations in the previous Phase I ESA report indicated that a Phase II ESA be carried out in the event of any future soil removal program;
- A rail line also existed in the eastern extent of the site running northeast/southwest. The berm observed in the northeast portion of the site could potentially be where the former CP rail line existed;
- Background reports indicate the use of pesticides on the agricultural fields on the south portion of the site (i.e. south of Highway 417);
- Contamination at the industrial park located at 185 Corkstown Road (northeast of the Moodie Drive/Highway 407 interchange), the location of Northern Telecom (later Nortel), was remediated in 2004 to the MOE standards. Extensive investigations have been completed at the site including, most recently a Risk Assessment, which indicated that no risks to human health were identified;
- The site inspection identified soil stockpiles located east of Moodie Drive, adjacent to the recreational trail. It is assumed that these soil stockpiles exist due to previous on-site grading activities; however, this cannot be confirmed; and
- A spill occurred in 1993 at the Holly Acres Road/Highway 417 interchange. Two-hundred and twenty (220) litres of oil was spilled. Soil contamination was confirmed.

Recommendations:

Since the above-noted areas/issues occur across the site and could impact any one of the proposed alignments of the West Transitway extension, it is recommended that a Phase II ESA be completed. The scope of the Phase II ESA would depend on the recommended alignment (horizontal and vertical) and should target the areas/issues of potential site contamination noted in Section 6.0 that could impact the footprint of the recommended alignment. The purpose of the Phase II ESA would be to confirm the presence or absence of site contamination and to provide guidance to the City on appropriate management of contaminated soil and groundwater in support of construction of the West Transitway extension.

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1.0 INTRODUCTION

Ecoplans Limited (Ecoplans) was retained by McCormick Rankin Corporation (MRC), on behalf of the City of Ottawa (city) to conduct a Phase I Environmental Site Assessment (ESA) in the vicinity of Highway 417 between Holly Acres Drive and Moodie Drive, in Ottawa, Ontario (hereinafter referred to as 'site'). This Phase I ESA is being completed in support of the proposed extension of the city's West Transitway public transportation system

1.1 Project Objective

The principle objective of the Phase I ESA is to identify any actual or potential sources of site contamination.

For the purposes of this assessment, contamination is defined as a material or condition present in soil, groundwater, surface water, air or buildings/structures that may have an adverse affect on human health or the natural environment (e.g. soil, water, land and buildings).

This Phase I ESA was performed in accordance with the Canadian Standards Association (CSA) Standard Z768-01, and Ontario Regulation 153/04 (and all amendments), administered by the Ministry of the Environment (MOE).

1.2 Scope of Work

The scope of work undertaken for this Phase I ESA included the following tasks:

i) Records Review

- ***Aerial Photographs and Historical Plans*** **-** to identify potential sources of contamination within and surrounding the site;
- ***Background Reports*** **–** to review any relevant environmental information previously collected for the site and surrounding area;
- ***Municipal Records*** **–** information pertaining to building permits/records, renovation permits, records of environmental occurrences, complaints, and spills or notifications to help establish an understanding of the historical land use of the site;
- ***City Directories*** **–** to identify former occupants of the site and properties in close proximity to the site, which may provide information of historical land use;
- ***Ministry of the Environment Inventories*** **–** to provide any relevant environmental information on the site relating to waste generation and storage, polychlorinated biphenyls (PCBs) storage, water well records and the presence of any nearby waste disposal sites (active or closed); and
- ***Ministry of the Environment Freedom of Information Request*** **–** contacting the MOE for any records concerning environmental orders, concerns, spills, or investigations;

- ***EcoLog ERIS report –*** a nationwide database service providing environmental information for properties across Canada.

ii) Interview

- ***Interview with Persons Knowledgeable of Present and Past Operations –*** to provide any relevant information concerning the site.

iii) Site Inspection

- ***Visual Inspection of the Site -*** to look for indications of contamination and visual inspection of adjacent properties to identify facilities and/or operations that may/have contaminated the site.

iv) Reporting

- ***Compilation, Evaluation and Discussion of Findings -*** compilation, evaluation and discussion of all information collected;
- ***Conclusions -*** concluding remarks on the presence/probability of actual or potential contamination within or surrounding the site; and
- ***Preparation of a Factual and Concise Report -*** written documentation of the results of the Phase I ESA with appropriate follow-up recommendations (if required).

2.0 SITE DESCRIPTION AND SETTING

2.1 Physical Description

The site is located approximately 500 metres (m) west of Bayshore Drive commencing at the Bayshore Bus Terminal, extending to approximately 500 m west of Moodie Drive in Ottawa, Ontario for a total length of approximately 3.5 kilometres (km). The site is transected in the east-west direction by Highway 417. Open space and a forested recreational trail area flank the north side of Highway 417, and agricultural land flanks the south side of Highway 417. Two Highway 417 interchanges are included in the site; one at Moodie Drive, and the other at Holly Acres Road. Figure 1 depicts the site location and Figure 2 depicts the site plan noting significant site features.

2.2 Legal Description

The property is designated as Part of Lots 8, 9 and 10, Concession 1 and Part of Lots 11, 12, 13, 14, 15 and 16, Concession 2 located in the City of Ottawa.

2.3 Adjacent Properties

The surrounding land use, as observed on March 19, 2009, is as follows:

North: Water Treatment Facility, residential developments, Nepean Equestrian Park, Agricultural land, Corkstown Road, soccer field followed by an industrial park

South: Agricultural field, Farming operations

East: Bayshore Shopping Centre, Bayshore Transit Station, Residential developments

West: Agricultural land/open space, CN rail crossing

2.4 Quaternary Geology

According to the Ministry of Northern Development and Mines Map 2556, entitled "Quaternary Geology of Southern Ontario" (1991), the site is characterized by glaciomarine and marine deposits of silt and clay.

2.5 Bedrock Geology

According to the Ontario Geological Survey (OGS) Map 2544 entitled "Bedrock Geology of Ontario" (1991), the underlying bedrock is from the Lower Ordivician Age. The western and central portions of the site consists of sandstone of the March formation and the eastern portion consists of sandstone, limestone, and shale of the Rockcliffe formation.

2.6 Physiography

According to Chapman and Putnam's "*The Physiography of Southern Ontario" (1984)*, and the Ontario Ministry of Northern Development and Mines Map 2227 entitled "*Physiography of the Eastern Portion of Southern Ontario*" (1972), the site is located on a clay plain within a portion of the physiographic region known as the Ottawa Valley Clay

Plains. The clay is a deep grey and bedrock is exposed in several areas between Renfrew and Ottawa.

2.7 Topography and Drainage

The site topography is generally flat and slopes slightly towards the drainage ditches that flank Highway 417. There is a berm located in the recreational trail area, north of Highway 417, which is most prominent near Holly Acres Road. It is assumed to be the former CP rail bed. Local topography in the area slopes down towards the creeks and slopes back upwards towards the residential developments. North of Highway 417, the drainage appears to be conveyed towards the three (3) creeks which transect the site; Watts Creek in the western portion; Still Water Creek in the central portion; and Graham Creek in the eastern portion; all of which, flow directly into the Ottawa River.

According to Natural Resources Canada Map 31G/5 (1998), the regional topography is generally flat with an elevation of approximately 70 meters above sea level (m asl) and slopes slightly towards the north towards the Ottawa River (located approximately 800 m north of the site).

2.8 Site Servicing

The site, being predominantly parkland/open space, does not require site servicing; however the surrounding area is municipally serviced for water and sewage.

3.0 RECORDS REVIEW

Ecoplans completed a comprehensive records review for the site. The purpose of the review was to collect information on historical activities that may have contributed to site contamination.

3.1 Background Reports

Several reports were provided by the NCC for review, however some were found to be outside of the 300 metre (m) buffer zone and were therefore excluded from the report. The following reports were completed on properties within 300 m from the site.

i) *"Phase I Environmental Site Assessment, Site #10, NCC Property Asset #96289, Corkstown Road and Highway 417, Ottawa, Ontario." October 2004.* Prepared by Jacques Whitford Limited.

The purpose of the Phase I ESA was to identify actual or potential sources of soil and/or groundwater contamination, and to identify the existence of hazardous substances (i.e. asbestos) associated with the property. The scope of work included a background information review; site inspection; site interviews; and documentation into a written report.

The Phase I ESA was completed on a single parcel of land on which an asphalt bicycle path exists. This bicycle path is located north of Highway 417 and extends from Moodie Drive to Holly Acres Road in Ottawa, Ontario.

Significant findings of the report included:

- Historical records show the site being used as a rail line for the time between approximately 1934 and mid-1950s; and
- Nortel Networks campus located adjacent to the north of the site may have potentially contaminated the site.

Jacques Whitford did not recommended further environmental investigation provided that there would be no removal of soil from the site. In the case of soil removal, a Phase II ESA would be required to test the soil for petroleum hydrocarbons (PHCs), benzene, toluene, ethylbenzene and xylene (BTEX), polycyclic aromatic hydrocarbons (PAHs), volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs) and metals.

ii) *"Phase I Environmental Site Assessment, 3501, 3531 Richmond Road and 201 Moodie Drive, Ottawa, Ontario. February 2002.* Prepared by Intera Engineering Limited.

The purpose of the Phase I ESA was to identify actual or potential sources of soil and/or groundwater contamination, and to identify the existence of hazardous substances (i.e. asbestos) associated with the property and was completed with a Designated Substances Audit and Environmental Compliance Audit. The scope of work included a background information review; site inspection; site interviews; and documentation into a written report.

The Phase I ESA was completed on three parcels of land located immediately south of Highway 417, approximately 160 m south of the site. Two of the properties (201 Moodie

and 3531 Richmond) are leased by the National Capital Commission (NCC) to farmers and the other property (3501 Moodie) is leased to Ottawa-Carleton Association for Persons with Developmental Disabilities, Nepean Cement Company and Paramount Environmental Services.

Significant findings of the report included:

- A pump-treat system was set up at 3531 Richmond Rd. to treat a cyanide spill from adjacent southern property;
- Underground storage tanks (USTs) and contaminated soil was removed from 301 and 3531 Richmond Rd. Significant remediation was said to be completed, however no documentation could be provided;
- 3501 Richmond Rd. was formerly a gravel pit;
- Lead-based paints and asbestos containing materials were more than likely used in to residences on these properties;
- Pole-mounted transformers and old fluorescent light ballasts more than likely contain PCBs;
- A heating oil AST can be found in each of the buildings on the properties; and
- "Round-up" and "Lagon" are chemicals sprayed on the crops by the tenant at 201 Moodie Dr. "Lagon" was especially used on the perimeter to prevent spider mites from attacking the crops.

Recommendations included:

- Continued monitoring of wells on the Richmond Rd. properties to monitor effects of historic spill;
- Records should be obtained to determine if contaminated fill was used at 3501 Richmond Rd. in the gravel pit;
- Reports should be obtained detailing the contaminated soil removal from the leaking USTs at the Richmond Rd. properties;
- A Designated Substances Survey be completed should any demolition occur; and
- Any demolition on properties would require proper decommissioning of the septic systems (O.Reg 358).

iii) *"Phase I Environmental Site Assessment, Site #22, NCC Asset #27, 411 Corkstown Road, Ottawa, Ontario." October 2004.* Prepared by Jacques Whitford Limited.

The purpose of the Phase I ESA was to identify actual or potential sources of soil and/or groundwater contamination, and to identify the existence of hazardous substances (i.e. asbestos) associated with the property. The scope of work included a background information review; site inspection; site interviews; and documentation into a written report.

This Phase I ESA was completed on a single parcel of land occupied by the Ottawa-Nepean Municipal Tent and Trailer Park.

Significant findings of the report included:

- Historical information show the property being used for recreational purposes since 1945, however was quarried for a hundred years previously and has been filled in.

Recommendations included:

- No environmental work was required at this time, however if excavations or sale of the property were to occur, soil and groundwater should be analyzed for PHCs, BTEX, PAHs, VOCs, SVOCs and metals.

iv) *"Phase I Environmental Site Assessment, 401 Corkstown Road, 200 Moodie Drive and Corkstown Road at CN Rail." February 2002.* Prepared by Intera Engineering Limited.

The purpose of the Phase I ESA was to identify actual or potential sources of soil and/or groundwater contamination, and to identify the existence of hazardous substances (i.e. asbestos) associated with the property and was completed with a Designated Substances Audit and Environmental Compliance Audit. The scope of work included a background information review; site inspection; site interviews; and documentation into a written report.

The Phase I ESA was completed on three properties, one occupied by the Nepean Equestrian Park (401 Corkstown Rd.), a residential/agricultural field (200 Moodie Dr.) and vacant land located at Corkstown Rd./CN Rail crossing.

Significant findings of the report included:

- One heating oil AST was located in the building at 200 Moodie Dr;
- Barn at 401 Corkstown Rd. is heated with a large propane tank and one AST and one unused AST were located on the property;
- Paints, lubricants and oils were among the chemicals stored in drums at the 401 Corkstown Rd. property; and
- "Round-up" and "Lagon" are chemicals sprayed on the crops by the tenant at 200 Moodie Dr. "Lagon" was especially used on the perimeter to prevent spider mites from attacking the crops.

Recommendations included:

- Any demolition on properties would require proper decommissioning of the septic systems (O.Reg 358);
- Any stained soil surrounding pails of chemicals should be dug up by hand and disposed of properly;
- Any unused drums or ASTs should be properly identified, cleaned and disposed of; and
- A Designated Substances Survey be completed should any demolition occur.

v) *"Phase I Environmental Site Assessment, Vacant Lot of Land, South of Carling Avenue & East of Holly Acres Road (Pathway), Property Asset #95512, Ottawa, Ontario" December 2006.* Prepared by Trow Associates Incorporated.

The purpose of the Phase I ESA was to identify actual or potential sources of soil and/or groundwater contamination, and to identify the existence of hazardous substances (i.e.

asbestos) associated with the property. The scope of work included a background information review; site inspection; site interviews; and documentation into a written report.

This Phase I ESA was completed on a pathway from Carling Avenue to Holly Acres Road on the site of a former rail line.

Recommendations included:

- No further environmental work as it appeared all potential for contamination was removed when the rail was decommissioned.

vi) *"Risk Assessment, 185 Corkstown Road, Ottawa, Ontario" April 2006.* Prepared by Golder Associates Limited.

A limited scope Risk Assessment (RA) was completed for the property. This site is considered a sensitive area due to the surface water on the site and therefore all results of testing are compared to Table 1 MOE soil condition standards.

The COCs on the site in the groundwater include trichloroethene (TCE), dichloroethene (DCE), vinyl chloride (VC) and copper. These exceedances are observed across the site. Both vinyl chloride and copper were detected above standards at the south of the site at depths between 10 to 25 m below ground surface. Groundwater flow was interpreted to be to the south. Trichloroethene and DCE exceedances were located below and in the area of the buildings at the same depths.

In the soil the COCs include benzene, DCE and TCE. These exceedances were mainly observed in the central area of the property below the buildings and to the southeast of the buildings in the parking lot.

Surface water COCs included several metals and pH. Surface samples taken at the south of the site exceeded standards for mercury and aluminum while to the west of the buildings in the pond it exceeded in aluminum, copper, molybdenum, iron, fluorine and pH.

Results of the RA:

- The only viable exposure pathway was to the on site worker and off site receptor. Concentrations of the contaminant in soil were not high enough to cause risk. Only in the groundwater the concentrations were high enough to effect the indoor air of an on site worker or exposure through inhalation of an off site receptor, however risk was found to be low grade;

- No complete ecological exposure pathways were revealed in the RA.

No risk management plan was recommended for this site.

3.2 Historical Insurance Plans

The purpose of the historical plan review was to identify aboveground storage tanks (ASTs) and underground storage tanks (USTs), or historical land uses with the potential for soil and groundwater contamination because of their operations/activities.

Fire insurance plans dated 1956 - 1963 were reviewed at the Toronto Reference Library for Ottawa however, they did not extend to include the site.

3.3 Chain-of-Title

The purpose of the Chain-of-Title review is to analyze the history of site ownership to identify those owners (by name only) whose activities (business or personal) may have had the potential to cause, or likely cause actual or potential contamination.

A chain-of-title review was not completed as the site is large and does not include specific individual properties which would make it difficult to conduct such a review.

3.4 Municipal Records

Historical Land Use Inventory

The City of Ottawa's Historical Land Use Inventory includes records documenting over 600 activities that could pose a risk of causing contamination to a property. Based on the review of the Historical Land Use Inventory, the properties listed below were found to have the potential for site contamination.

Business Name	**Address**	**Land Use Issue**
Unnamed sewage lagoon	Lots 8-10, Concession 1	3 vertical tanks, hot water tanks in operation from 1967 to 1989
Ottawa-Carleton Wildlife Centre	3500 Carling Ave.	Administrative services 2003
PCL Constructors Canada Inc.	3500 Carling Ave.	Construction company 2001
Univex Canada Ltd.	3500 Carling Ave.	Mechanical specialty work 2001
Nortel-Carling (Bell Northern Research)	3500 Carling Ave.	Communication and other electronics industry 1995 to 2003. High level PCB materials stored on site.
Unnamed pumping station	Lots 11-14, Concession 2	Water systems industry 1967 to 1985
Microelectronics Canada Inc.	182 Corkstown Rd.	Communication and other electronics industry 2003
Comprotec Canada	144 Corkstown Rd.	Metal products industry 2001
Coady Construction Ltd.	92 Aero Dr.	Construction company 2001 to 2005
Ottawa City	2 Aero Dr.	Other utility industry 2005
Gilchrist Craig Equipment	12 River Bend Rd.	Service industries incidental to air transport 2001
Nepean Township – Pump house	River Bend Rd.	Administrative services 1970 to 1980
Q5 Electronics Inc.	7 River Bend Rd.	Electronics equipment wholesale

		2001
Minto	Woodridge Cres.	Private snow dump 1996 Residential and building development 2003
Prom Trader	186 Woodridge Cres.	Publishing and printing industry 2001

3.5 City Directories

Information available in city directories is used to identify former occupants of the site, which may indicate land use. Ecoplans reviewed the Might's Greater Ottawa City Directories for Ottawa at the Toronto Reference Library for various years between 1960 and 1994. Normally, city directories are viewed in five year increments however, directories are not always available.

Prior to 1965, no directories were available as the site was not considered a part of the City of Ottawa. The site itself is never referenced (as it is parkland/open space), however, adjacent properties were included in the city directory search. Ecoplans did not identify any properties of environmental significance.

3.6 Aerial Photographs

Aerial photographs dated 1932, 1959, 1978, 1986, 1999 obtained from the National Air Photo Library (NAPL) in Ottawa, Ontario, were reviewed for information about the land use on and adjacent to the site. In addition, recent satellite images (2008 - 2009) were reviewed using Google Earth. An interpretive summary of the photographs/images is discussed below:

- In the 1932 air photo, the site is occupied by a two rail lines, one crossing in a east/west direction and the other in a northeast/southwest direction, and agricultural/open space. The surrounding land use is agricultural/open space with patches of forested area. A creek is observed that the east/west rail line transects. There are a few scattered farm houses to the north and south of the site. The site and adjacent properties remain the same as observed in the 1959 air photo.
- By 1978, the rail lines appear to have been decommissioned. The land surrounding the site to the north and east have been developed for residential and industrial/commercial uses. Highway 417 now exists transecting the site with interchanges at Moodie Drive and Holly Acres Drive. The site remains unchanged in 1986 aside from what appears to be a recreational trail between Moodie Drive and Holly Acres Drive.
- The site remains unchanged by 1999 with a more well-defined recreational trail from Moodie to Holly Acres Drive. More inferred residential developments are identified to the north and west of the site. Surrounding land uses remain the same as identified in the 1978 and 1986 aerial photographs; as well as in the present-day aerial image (Google Earth, 2008-2009).

Ecoplans has included copies of the aerial photographs in Appendix A. The aerial photograph from Google Earth is presented on Figure 2 of the site plan.

3.7 EcoLog ERIS Environmental and Historical Information

EcoLog ERIS (EcoLog) is a national database service, which provides environmental information for properties across Canada. The information provided contains Government of Canada and Environment Canada public records, and private sector records that provide information pertaining to environmental liabilities associated the property in question and the surrounding area. Ecoplans requested that EcoLog complete a search for all available records located within the site and the surrounding area (300 m radius). Refer to Appendix B to view the entire report and Section I of the EcoLog ERIS Report for a list of reviewed databases. The following databases were found to have records pertaining to the site and/or adjacent properties:

- Certificates of Approval (1985 to Sept 2002)
- Environmental Registry (1994 to 2008)
- ERIS Historical Searches (1999 to 2008)
- Fuel Storage Tank (Current to Aug 2007)
- Ontario Regulation 347 Waste Generators Summary (1986 to Aug 2008)
- Mineral Occurrences (1846 to Sept 2008)
- National PCB Inventory (1988 to June 2004)
- National Pollutant Release Inventory (1993 to 2001)
- Private and Retail Fuel Storage Tanks (1989 to 1996)
- Record of Site Condition (1997 to Sept 2001, October 2004 to 2008)
- Scott's Manufacturing Directory (1992 to June 2008)
- Ontario Spills (1988 to 2007)
- Water Well Information System (1955 – 2007)

3.7.1 Certificates of Approval (1985-September 2002)

This database contains the following types of approvals: Certificates of Approval (C of A) (Air) issued under Section 9 of Ontario Environmental Protection Act (EPA); C of A (Industrial Wastewater) issued under Section 53 of Ontario Water Resources Act (OWRA): and C of A (Municipal/Provincial Sewage and Waterworks) issued under Section 52 and 53 of the OWRA.

Based on the results of the search radius, 26 C of As are found within the 300 m search radius on the adjacent properties as well as14 that are not mappable. Twenty-four of these C of As are registered to Northern Telecom located at 185 Corkstown Road; at the intersection of Corkstown Road and Moodie Drive. The C of As registered are for industrial air (between the years 1985 to 2001) and for municipal water and sewage in 2001.

The other two (2) C of As are registered to the Regional Municipality of Ottawa located at the intersection of Holly Acres Road and Highway 417. The C of As are for industrial air emissions for the years 1987 and 1988.

The 14 unmappable properties included:

- Terrace Investments Limited on Moodie Drive had a 1988 C of A for municipal sewage;
- Wartan Development Corporation on Lot 11 had a 1990 C of A for municipal sewage;
- West End Station Restaurant on Lot 13, 14 Concession 2 have a 1996 C of A for industrial air for the kitchen exhaust;
- Monarch Construction Limited on Lots 10 and 11, Concession 2 have eight (8) C of As registered. One in 1999 for municipal sewage, three in 2001 for municipal and private sewage for the installation of sanitary and storm sewers, one in 2000 for municipal and private sewage to build a sewage pump house, and three in 2001 for municipal and private water to install watermains; and
- South Nepean High School on part of Lot 13, Concession 2 has a 2002 C of A for municipal and private sewage to build a stormwater management system.

3.7.2 Environmental Registry (1994 to 2008)

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, licence, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes things like; Approval for discharge into the natural environment other than water (i.e. Air), Permit to Take Water (PTTW), Certificate of Property Use (CPU), Approval for a waste disposal site, Order for preventative measures.(EPA s. 18), Order for conformity with Act for waste disposal sites.(EPA s. 44), Order for remedial work.(EPA s. 17) and many more.

Based on the results of the search radius, three (3) adjacent sites are listed in the Environmental Registry and also three (3) sites that are unmappable. Two (2) of these are listed for Northern Telecom, and one (1) is listed for Abbott Point of Care Canada Limited; both of which are located at 185 Corkstown Road. These three (3) are listed under Section 9 for approval for discharge into the natural environment, other than water, for the years 1997 and 1999.

The three (3) that are not mappable include Section 9 for Northern Telecom in 1998 and two for Taggart Construction Limited located on lots 11 and 12, Concession 2 for a Permit to Take Water in 2008

3.7.3 ERIS Historical Searches (1999 to 2008)

EcoLog ERIS has compiled a database of all environmental risk reports completed since March 1999. Available information in this database include site locations, date of report, type of report and search radius.

Based on the results of the search radius, three (3) historical searches were identified; two (2) were completed for 185 Corkstown Road in 2004 and 2006, and the third last was completed for Woodbridge Crescent in 2003. No details of the reports were provided.

3.7.4 Fuel Storage Tank (Current to Aug 2007)

The 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.

Based on search of this database, there are two (2) occurrences of fuel storage tanks that are unmappable. Both belong to Alvin Dell Welding Limited located on Moodie Drive. The storage tank (listed twice) was installed in 1986 with a capacity of 4546 Litres of gasoline. It was licensed in 1990.

3.7.5 Ontario Regulation 347 Waste Generators Summary (1986 to Aug 2008)

Ontario Regulation 347 (O.Reg 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. Under the EPA, a producer of wastes 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 the registered generators as well as the types of hazardous wastes generated.

Based on the results of the search radius, 22 waste generators were located on adjacent properties and five (5) unmappable generators. Northern Telecom (ON0132308 and ON0231504), which is located at 185 Corkstown Road, is listed as a waste generator in fourteen (14) instances in the database from the years 1986 to 2008. It generates waste such as acid waste (heavy metals and other metals), alkaline wastes (heavy metals and other metals), alkaline phosphates, neutralized wastes (heavy metals), other specified inorganics, inorganic laboratory chemicals, aliphatic solvents, light fuels, polymeric resins, halogenated solvents, PCBs, waste oils and lubricants, emulsified oils, pharmaceuticals, organic laboratory chemicals, photoprocessing wastes, organic acids, amines, pathological wastes and waste compressed gases.

Other O. Reg 347 generators include:

- *Abbott Point of Care Canada Limited (ON3695358) - 185 Corkstown Road.* This property is listed as a generator in 2008. Wastes include: waste crankcase oils and lubricants, pathological wastes, acid solutions (containing heavy metals), alkaline solutions (containing other metals and non-metals (not cyanide)), wastes from the use of pigments, coatings and paints, other specified inorganics, sludges, slurries or solids, aromatic solvents and residues, aliphatic solvents and residues, PCB, waste oils/sludges (petroleum-based);
- *Microelectronics Canada (ON2735356) - 185 Corkstown Road*. This property is listed twice as a generator between the years 2001 to 2004. Wastes include: acid waste (heavy metals and other metals), alkaline waste (heavy metals), other specified inorganics, aliphatic solvents, waste oils and lubricants and waste compressed gases;
- *Taggart Construction Limited (ON3916620) - intersection of Moodie Drive and Corkstown Road.* This property is listed as a generator in 2003, 2004; the waste it generated is unlisted;

- *Nepean Hydro (ON453104) – intersection of Holly Acres Road and Highway 417.* This property is listed twice as a generator between the years 1989 to 1998. Wastes include: alkaline wastes (other metals) and oil skimmings/sludges;
- *Nepean Hydro Vault (ON0453107) - 66 Woodridge Crescent.* This property is listed as a generator for the years 1992 to 1998 for the production of PCBs;
- *Quantum Environmental Group (ON9335348) - 90 Woodridge Crescent*. This property is listed as a generator in 2005 for generating petroleum distillates and light fuels;
- *R.*W. *Tomlinson Limited (ON0027601) – Moodie Drive Quarry*. This property is listed as a generator in 1989 and 1990 for generating waste oils and lubricants;
- *Set Construction Limited (ON1123200) – Moodie Drive.* This property is listed as a generator in 1988 – 1989 and 1992 – 1998 for generating waste oils and lubricants;
- *City of Ottawa (ON3823377) – Lot 10, Concession 2.* This property is listed as a waste generator in 2008 for generating waste oils/sludges; and
- *Burnside Sand and Gravel Limited (ON0996300) – Lots 12 and 13, Concession 5.* This property is listed as a waste generator in 2008 for petroleum distillates.

3.7.6 Mineral Occurrences (1846 to Sept 2008)

In the early 1970'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.

Based on the results of the search radius, one (1) mineral occurrence is located within the search radius at Crystal Beach (Lot 10, Concession 1). It was mined for dolomite and dolostone used for building materials.

3.7.7 National PCB Inventory (1988 to June 2004)

Environment Canada's National PCBs inventory includes information on in-use PCB-containing equipment in Canada including federal, provincial and private facilities. All federal out-of-services 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 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.

Based on the results of the search radius, four (4) PCB storage sites are found within the search radius and one (1) unmappable PCB storage site; all of which are located at 185 Corkstown Road. Northern Telecom has a capacitor in storage containing the Askarel PCB oil.

3.7.8 National Pollutant Release Inventory (1992 to 2001)

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 of 178 specified substances.

Based on the results of the search radius, six (6) instances of pollutant release are found within the search radius. Microelectronics Canada Inc., located at 185 Corkstown Road, had two (2) releases of isopropyl alcohol in the years 2000 and 2001 of 3.2 and 3.5 tonnes respectively. Northern Telecom, located at the same address mentioned above, had four (4) releases of isopropyl alcohol in 1997, 1998, 1999 and 2000. A release in 1997 was of an unknown amount; 3.6 tonnes was released in 1998; 4.8 tonnes in 1999; and 3.2 tonnes in 2000. All isopropyl alcohol releases were airborne.

3.7.9 Private and Retail Fuel Storage Tanks (1989 to 1996)

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations (MCCR) 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.

Based on the results of the search radius, there were two (2) unmappable returns from this database. One registered to Alvin Dell Welding Limited located on Moodie Drive listed as a private fuel outlet and one registered to Mel Hill on Lot 12, Concession 2 for a private fuel outlet.

3.7.10 Record of Site Condition (1997 to Sept 2001, October 2004 to 2008)

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. Information available includes Registration Number, Filing Owner, Property Address, Filing Date and Municipality.

One (1) RSC was returned within the search limits located at 70 Corkstown Road. The RSC was completed in 1999, however no details of the record are provided.

3.7.11 Scott's Manufacturing Directory (1992 to June 2008)

Scott's Manufacturing Directory is a data bank containing information on over 70,000 manufacturers in Ontario. Even though 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 is updated annually.

Three (3) manufacturing companies are located within the search radius. Two (2) are listed as Northern Telecom (Nortel) located at 185 Corkstown Road. This company was established in 1972 and manufactures telephones, cables and peripherals. The third company is listed as Glass Touch which is located at 45 Creeks End Lane. This company was established in 2004 and manufactures glass products.

3.7.12 Ontario Spills (1988 to 2007)

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

Based on a search of this database, no spills occurred on the site, however, there are eleven (11) spills located within the search radius and also eleven spills that were not plotted on a map. They are summarized in Table 1 and a full description can be found in Appendix B.

3.7.13 Water Well Information System (1955 – 2007)

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Geographic coordinates are reliable according to the given percentage.

Nine (9) water wells were identified within the search radius and fifty (50) that exact locations are not plotted on a map. They are summarized in Table 2 and a full description can be found in Appendix B.

3.8 Ministry of the Environment Information

3.8.1 Freedom of Information Request

The MOE conducts searches of their internal records in response to the filing of a Freedom of Information and Protection of Privacy Act (FOI) request for information pertaining to a property. The FOI request will initiate a regulatory infractions search in addition to any reportable spills occurrence(s). These searches consider any charges and/or convictions of owners or tenants of the property as well as reportable spills.

Ecoplans requested the MOE search their files for any records pertaining to the site. A response was received from the FOI office on April 23, 2009. One Permit To Take Water (PTTW) was issued in 2007 to the City of Ottawa for Lot 16 and 17, Concession 2.

3.8.2 Coal Gasification Plant Inventory

Compiled in 1987 by Intera Technologies Limited for the MOE, the Inventory of Coal Gasification Plant Waste Sites in Ontario provides a list of all known coal gasification plant waste sites in Ontario.

Ecoplans conducted a search of this inventory and found no coal gasification sites existed on or adjacent to the site.

3.8.3 Brownfield Environmental Site Registry

The Environmental Site Registry (ESR) is a publicly accessible database documenting any RSC that has been filed with the MOE since the inception of the ESR in October 2004. The RSC documents any environmental site assessment (i.e. Phase I and Phase II ESAs), site clean-up, and/or site specific risk-assessment completed at a particular property. This legal instrument is pursuant to Ontario Regulation (O.Reg)153/04 of Part XV.1 of the Ontario EPA. The significance of the ESR relevant to this Phase I ESA is that it identifies properties that have been investigated for contamination that could be in close proximity to the site and therefore have the potential for site contamination.

According to the MOE Brownfield ESR, no RSCs for the site or adjacent properties have been filed. The property referred to in Section 3.7.8 could not be located therefore no information could be provided.

3.8.4 Waste Disposal Site Inventory (1991)

The MOE maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. "Class A" sites are those that are deemed to have the potential to impact human health because of the proximity to human development; "Class B" sites are those that are deemed to have the potential to impact environment.

The MOE inventory was reviewed and no active waste disposal sites are located on or within 300 m of the site.

3.8.5 Water Well Records

The MOE has a database of all recorded water wells in the province, which are available to the public. Information pertaining to location, date drilled, depth, water usage and formation type are included in the search.

Due to the extensive information found within the EcoLog ERIS report (see Section 3.7), a MOE water well records search was not undertaken.

3.9 Federal Contaminated Sites Inventory

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

Ecoplans completed a search of this inventory and found there are three (3) federal contaminated properties within close proximity to the site. One (1) is located approximately 600 m south of the site at 3448 Richmond Road. The soil at this property is contaminated with metals and petroleum hydrocarbons while the groundwater is contaminated with metals. The other two (2) site are located approximately 800 m north at the shore of the Ottawa River, in an area known as Graham Bay. Both sites have not fully

been assessed to date; one is still under historical review, and the other has just begun initial testing.

Due to the distance from the site, it is unlikely that these properties have environmentally impacted the site.

4.0 SITE INSPECTION

Ecoplans carried out a visual inspection of the site on March 19, 2009. The purpose of the inspection was to look for any indications of actual or potential contamination. Photographs documenting the site inspection are presented in Appendix C.

4.1 Environmentally Significant Materials

4.1.1 Designated Substances

According to the Ontario Ministry of Labour's Occupational Health and Safety Act Bill 208, the owner of a property or building must report to any prospective constructor the presence of any "designated substances" at the project site. Included below is a list of the designated substances with some of the more common uses/occurrences:

- Acrylonite - plastics
- Asbestos - insulating materials
- Arsenic - paints, printing inks, herbicides and pesticides
- Coke Oven Emissions - factory operations
- Benzene - petroleum hydrocarbons
- Ethylene Oxide - plastics, anti-freeze and fungicides
- Isocyanates - paint, plastics and foam insulation
- Lead - pipes, solder and paint
- Mercury - thermostats and electrical equipment (mercury switches and mercury vapour lamps)
- Silica - concrete, masonry blocks, ceramic floor tiles and terrazzo floor
- Vinyl Chloride - paint and plastics

Of all the designated substances, asbestos and lead are the most commonly found, usually in building materials. These two are discussed in greater detail in the next two sections.

Results of Site Inspection:

At the time of the site inspection, Ecoplans did not observe the presence of any designated substances on the site.

4.1.2 Polychlorinated Biphenyls

PCBs are a man-made compound first manufactured in 1929 and used extensively until the late 1970s as a dielectric fluid in transformers, motor capacitors and lighting ballasts as well as in high-temperature hydraulic systems and as a stable cutting fluid in machining operations. Although current legislation prohibits the manufacture and sale of new equipment containing PCBs (effective July 1, 1980), continued operation of equipment supplied before this date and containing PCBs is still permitted. PCB equipment in commercial buildings would normally be restricted to lighting and power distribution systems and in limited applications to pumps and transformers. By definition, PCB waste

is defined as any liquid and solid having PCB concentrations greater than 50 parts per million (ppm), by weight. All PCB wastes must be managed in accordance with O.Reg. 362.

Results of Site Inspection:

At the time of the site inspection, Ecoplans did not observe the presence of any PCB-containing equipment (i.e. transformers)on the site.

4.1.3 Ozone-Depleting Substances

Ozone-depleting substances (ODSs) are substances known to contribute to depletion of the Earth's ozone layer. ODSs include chlorofluorocarbons (CFCs). CFCs are commonly used as refrigerants in air conditioning and refrigerating units in the form of Freon R-12, Freon R-22 or Freon R-502. The most environmentally friendly form, and therefore least damaging to the ozone layer, is Freon R-22.

Results of Site Inspection:

At the time of the site inspection, Ecoplans did not observe the presence of any ODSs on the site.

4.1.4 Urea Formaldehyde Foam Insulation

Urea Formaldehyde Foam Insulation (UFFI) was developed in the late 1950's, and became an important insulator in the late 1970's when energy efficiency became more of a concern. Most UFFI installations took place in the late 1970's, until 1980 when it was banned in Canada due to health concerns.

Results of Site Inspection:

At the time of the site inspection, Ecoplans did not observe the presence of any UFFI on the site.

4.1.5 Hazardous and Petroleum Products, Residues and Wastes

At the time of the site inspection, Ecoplans did not observe the presence of any hazardous or petroleum products, residues or wastes on the site.

4.2 Air Emissions

There was no air emissions observed on the site, however air emissions were observed to the immediate east of the site at the water treatment facility and also at the industrial park located at 185 Corkstown Road.

4.3 Fill and Waste Debris

Several small soil stockpiles were observed on the site east of Moodie Drive along the recreational trail. The land appears to have been graded, therefore it is likely that these soil stock piles are of a result of such, however this cannot be confirmed.

There is also a berm located across the bikepath which is most prominent in the vicinity of Holly Acres Road. The berm observed in the northeast portion of the site could potentially be where the former CP rail line existed

4.4 Storage Tanks

At the time of the site inspection, Ecoplans did not observe the presence of any storage tanks on the site.

4.5 Wastewater and Stormwater Treatment Facilities

There are no wastewater or stormwater treatment facilities on-site, however a water treatment facility is located directly north of the proposed transitway, at the intersection of Holly Acres Road and Highway 417. It was observed that the facility has three (3) drums stored on the property (unknown contents).

4.6 Site Water Supply/Wells

At the time of the site inspection, Ecoplans did not observe the presence of any water supply or wells on the site.

4.7 Pits and Lagoons

At the time of the site inspection, Ecoplans did not observe the presence of any pits or lagoons on the site.

4.8 Odours

At the time of the site inspection, Ecoplans did not observe any odours on the site.

4.9 Surface Staining

At the time of the site inspection, Ecoplans did not observe any surface staining on the site.

4.10 Stressed Vegetation

At the time of the site inspection, Ecoplans did not observe any stressed vegetation on the site.

4.11 Materials/Operations on Adjacent Properties

A water treatment facility is located at the intersection of Holly Acres Drive and Highway 417 (see Section 4.5). The facility has drums stored on the property and their contents are unknown.

There are several industrial facilities located at 185 Corkstown Road such as Nortel Networks and Abbott Point of Care. The closest buildings are approximately 300 metres north of the site.

5.0 INTERVIEW

At the time of this Phase I ESA, no interview was conducted as no person knowledgeable regarding the history of the site was available. Mr. Eric Pisani of the City of Ottawa was contacted in regards to compiling a historical land use inventory pertaining to the site which can be found in Section 3.4.

Ecoplans feels that sufficient information was gathered during the records review and site inspection to make reasonable conclusions on actual or potential contamination on the site.

6.0 KEY FINDINGS

Based on Ecoplans' evaluation of the data collected from the records review and site inspection, key findings of the Phase I ESA are included below. Areas of potential site contamination are also noted on Figure 3.

Areas of Potential Site Contamination:

- AREA 1- the site is transected by Highway 417; therefore environmental impacts associated with transportation corridors (i.e. road salt) is possible;
- AREA 2- background reports and historical records indicate the use of the northern portion of the site (between Holly Acres Road and Moodie Drive) as a rail line, until the late 1950s. Recommendations in the previous Phase I ESA report indicated that a Phase II ESA be carried out in the event of any future soil removal program;
- AREA 2 - a rail line also existed in the eastern extent of the site running northeast/southwest. The berm observed in the northeast portion of the site could potentially be where the former CP rail line existed;
- AREA 3 - background reports indicate the use of pesticides on the agricultural fields on the south portion of the site (i.e. south of Highway 417);
- AREA 4 – known contamination at the industrial park located at 185 Corkstown Road (northeast of the Moodie Drive/Highway 407 interchange), the location of Northern Telecom (later Nortel), was remediated in 2004 to the MOE standards. Extensive investigations have been completed at the site including, most recently a Risk Assessment, which indicated that no risks to human health were identified.

Other Issues:

- The site inspection identified soil stockpiles located east of Moodie Drive, adjacent to the recreational trail. It is assumed that these soil stockpiles exist due to previous on-site grading activities; however, this cannot be confirmed;
- A spill occurred in 1993 at the Holly Acres Road/Highway 417 interchange. Two-hundred and twenty (220) litres of oil was spilled. Soil contamination was confirmed; and

7.0 CONCLUSIONS AND RECOMMENDATIONS

As noted in Section 6.0, the Phase I ESA identified a number of areas/issues of potential site contamination. Since these areas/issues occur across the site and could impact any one of the proposed alignments of the West Transitway extension, it is recommended that a Phase II ESA be completed. The scope of the Phase II ESA would depend on the recommended alignment (horizontal and vertical) and should target the areas/issues of potential site contamination noted in Section 6.0 that could impact the footprint of the recommended alignment. The purpose of the Phase II ESA would be to confirm the presence or absence of site contamination and to provide guidance to the City on appropriate management of contaminated soil and groundwater in support of construction of the West Transitway extension.

8.0 CLOSURE

There is no warranty, expressed or implied, by Ecoplans Limited that the foregoing Phase I Environmental Site Assessment (ESA) has uncovered all potential contaminants or sources of contaminants on the site.

A Phase I ESA is a preliminary investigation of the potential for historical or existing environmental contamination on or adjacent to a site. Sources of potential contamination identified in the Phase I ESA are based solely on the information available at the time of issuance of this report. The conclusions regarding the environmental conditions at the site and presented herein have been developed from a limited scope of work, restricted to a review of background information, site inspection, and interviews. As a result, conclusions regarding the site's apparent compliance with federal, provincial and municipal guidelines/regulations are restricted to the areas of the property inspected and the information obtained during the ESA. This assessment cannot make conclusions on actual subsurface and/or soil conditions within the boundaries of the site.

The distribution of this report is intended solely for the client. Ecoplans does not assume any third-party liability based on the unauthorized distribution of this report.

We trust the information outlined in this report meets with your requirements. Should you have any questions, please do not hesitate to contact our office.

Yours truly,
ECOPLANS LIMITED

Prepared By:

Carrie Stephenson, B.Sc (Hons.)
Environmental Scientist

Reviewed By:

Lesley Roberts, A.Sc.T.
Geo-Environmental Field Technologist

PROFESSIONAL GEOSCIENTIST
DEREK A. STEWART
PRACTISING MEMBER
0495
ONTARIO

Derek Stewart, M.Sc., P. Geo
Senior Hydrogeologist

9.0 QUALIFICATIONS OF THE ENVIRONMENTAL CONSULTANT

Ecoplans Limited, established in 1970, provides consulting services in the biological and physical sciences, environmental planning, landscape architecture, environmental impact assessment, and environmental site assessment and remediation. Its staff includes specialists in all facets of the environmental field. The Environmental Site Assessment and Remediation Division of Ecoplans Limited specializes in Phase I, II and III Environmental Site Assessments, Contamination Overview Studies, electromagnetic surveys, aboveground and underground storage tank removals/assessments, groundwater investigations and site remediation/restoration. Ecoplans has completed numerous Contamination Overview Studies for both the public and private sector. Some of Ecoplans' clients include the Ministry of Transportation, Region of York, Town of Oakville, Ontario Realty Corporation, and Regional Municipality of Peel.

Mr. Derek Stewart, M.Sc., P.Geo, as Senior Hydrogeologist, is the head of Ecoplans' Environmental Site Assessment & Remediation Division. Mr. Stewart has over 16 years experience carrying out site assessments and remediation projects working for a number of environmental consulting firms. He has been with Ecoplans since 1996. At the project level, Mr. Stewart provides technical and editorial support to his staff, and peer reviews all draft and final reports prior to being sent to the client.

Ms. Carrie Stephenson, B.Sc (Hons.) is an Environmental Scientist working with Ecoplans' Environmental Site Assessment & Remediation Division. Ms. Stephenson has an academic background in Earth and Biological Sciences, and Environmental Management and Assessment. Ms. Stephenson has completed numerous Phase I and II Environmental Site Assessments and is routinely engaged in the field. She is well versed in field techniques and procedures.

Ms. Lesley Roberts, A.Sc.T. is a Geo-Environmental Field Technologist working with Ecoplans' Environmental Site Assessment & Remediation Division. Ms. Roberts has over 3 years experience conducting Phase II Environmental Site Assessments and remediation projects and is involved with peer reviewing Phase I ESAs. Ms. Roberts is also knowledgeable in the implementation and analysis of designated substance surveys and electromagnetic surveys. Her academic background includes geotechnical and environmental processes as well as geographic information systems (GIS).

10.0 REFERENCES

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Maps

Ontario Geological Survey. Map 2544-Bedrock Geology of Southern Ontario, 1991

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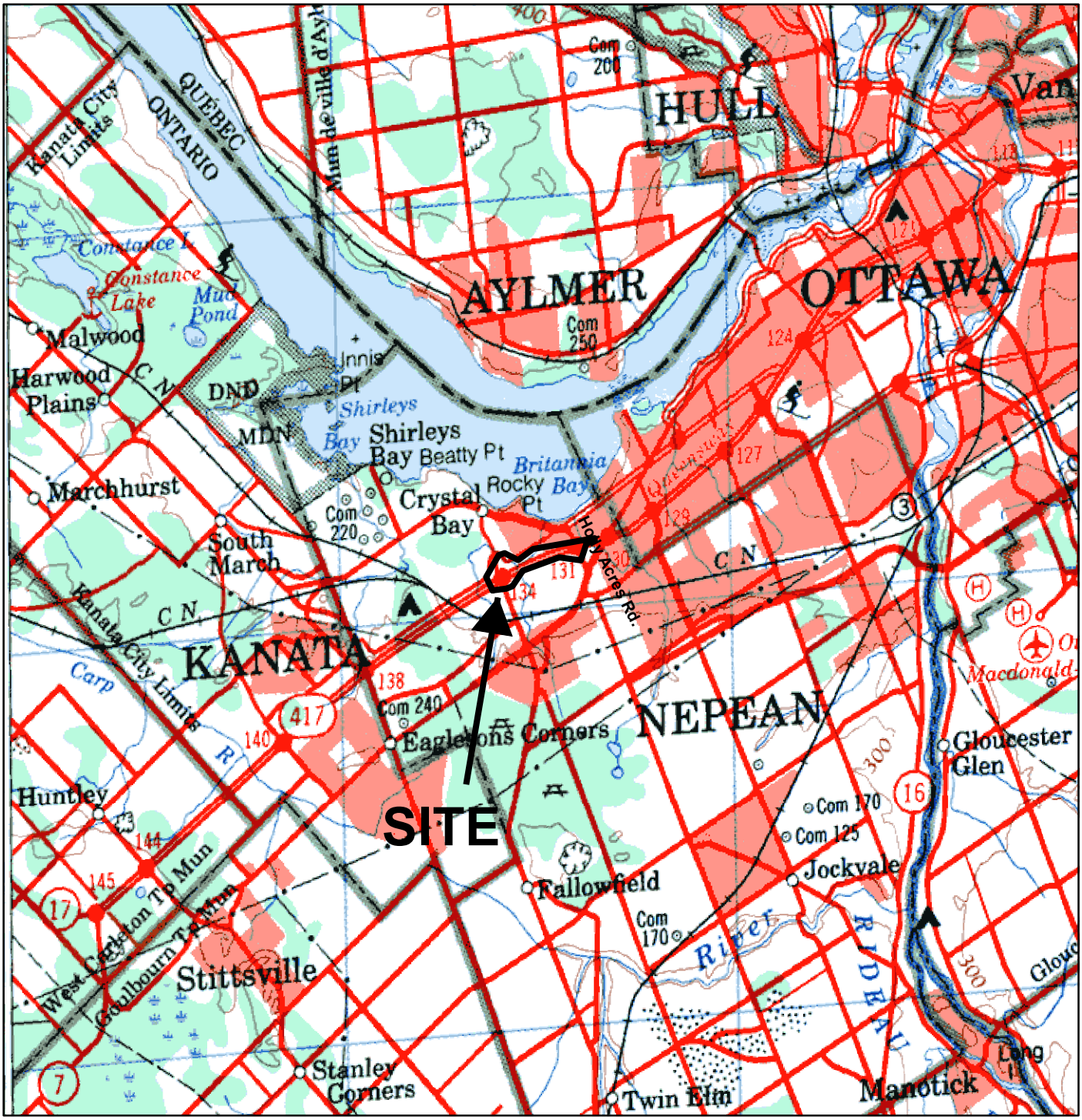
Ontario Ministry of the Environment. Brownfields Environmental Site Registry. Viewed March 12, 2009 <http://www.ene.gov.on.ca/environet/BESR/index.htm>

Federal Contaminated Sites Inventory. Viewed March 12, 2009. <http://www.tbs-sct.gc.ca/index_e.asp>

Google Earth 2008-2009. Viewed March 9, 2009 <http://maps.google.ca/>

FIGURES



Source: National Topographic System Map - Ottawa-31-G

Scale: 1:150,000

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Phase I Environmental Site Assessment
WEST TRANSITWAY EXTENSION
BAYSHORE DRIVE TO MOODIE DRIVE, OTTAWA, ONTARIO
SITE LOCATION

DATE: FEBRUARY 2010

PROJECT: 550305

FIGURE 1

Legend

Study Area

0 250 500 1,000

Meters

Source: Base Map provided by MRC

Scale: 1:20,000

ecoplans Limited

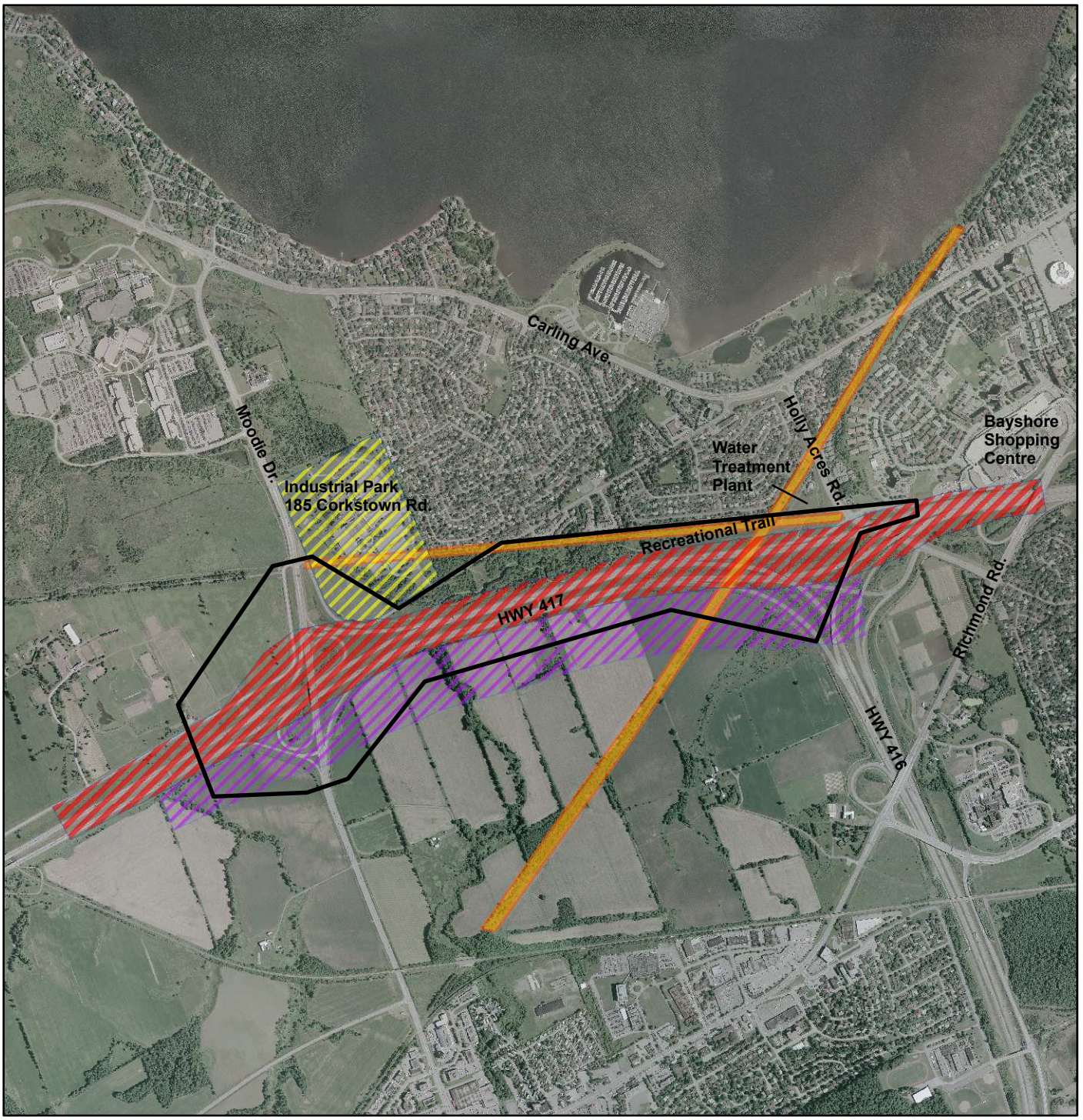
Phase I Environmental Site Assessment
WEST TRANSITWAY EXTENSION
BAYSHORE DRIVE TO MOODIE DRIVE, OTTAWA, ONTARIO

SITE PLAN

DATE: FEBRUARY 2010

PROJECT: 550305

FIGURE 2



Legend

- Study Area
- Area 1 - Potential Salt Contamination from Highway 417
- Area 2 - Area Previously used as Railroad
- Area 3 - Potential Contamination from Pesticides
- Area 4 - Industrial Facility Located at 185 Corkstown Rd.

0 250 500 1,000
Meters

Source: Base Map provided by MRC

Scale: 1:22,500

ecoplans Limited

Phase I Environmental Site Assessment
WEST TRANSITWAY EXTENSION
BAYSHORE DRIVE TO MOODIE DRIVE, OTTAWA, ONTARIO

AREAS OF POTENTIAL SITE CONTAMINATION

DATE: FEBRUARY 2010

PROJECT: 550305

FIGURE 3

TABLES

Table 1. Ontario Spills Summary
Phase I Environmental Site Assessment
West Transitway Extension,
Bayshore Drive to Moodie Drive,
Ottawa, Ontario

Company	Address	Year	Potential for Contamination	Incident
Northern Telecom	185 Corkstown Road	1992	Not Anticipated	Underground drain leak of unknown amount of processed water.
Northern Telecom	185 Corkstown Road	1992	Not Anticipated	Underground pipe leak of unknown amount of acid water.
Northern Telecom	185 Corkstown Road	1998	Possible	Broken valve released unknown amount of VOCs into atmosphere.
Northern Telecom	185 Corkstown Road	2001	Possible	Unknown amount of acid vapours to air from scrubber sump leak.
ESSO Home Comfort	27 Aero Drive	2001	Possible	1 litre of furnace oil spilled to ground from container overflow. Contained and cleaned.
Transport Truck	Hwy 417 (west of ramp from Moodie Drive)	2002	Possible	40 litres of hydraulic oil spilled to ground for unknown reason. Contained and cleaned.
City of Nepean	411 Corkstown Road	1995	Possible	Fuel oil tank leaked unknown amount due to corrosion.
Nepean Hydro	Holly Acres Road and Highway 417	1993	Confirmed	220 litres of transfer oil leaked to ground from tank.
Unknown	Creek behind 90 Woodridge Crescent	2000	Possible	Fire department responded to unknown quantity of unknown contaminant found in creek.
Consumers Gas	91 Woodridge Crescent	1998	Possible	Unknown amount of natural gas released to the atmosphere from a ruptured pipe.
City of Ottawa	50 Woodridge Crescent	2006	Not Anticipated	25 to 30 litres of power steering fluid leaked to ground from truck due to equipment failure.
Set Construction Limited	Moodie Drive	1989	N/A	Unknown quantity of oil spilled to ground from unknown source.
Transport Truck	East Side of Hwy. 417 between Moodie and Eagleson Road	1992	Not Anticipated	30 litres of diesel fuel spilled to ditch from truck container leak.
Hotel/Motel	Carling Avenue	1993	Confirmed	Contaminated soil found nearby to an underground tank.
Ontario Hydro	Lot 10, Concession 2	1996	Possible	60 litres of non-PCB containing oil leaked to ground from transformer during a storm.
Bus	Woodbridge Crescent in front of Bayshore Shopping Centre	2000	Confirmed	10 litres of transmission fluid to ground from container leak.

Table 1. Ontario Spills Summary
Phase I Environmental Site Assessment
West Transitway Extension,
Bayshore Drive to Moodie Drive,
Ottawa, Ontario

Company	Address	Year	Potential for Contamination	Incident
Ottawa Transit	Carling Avenue	2000	Possible	Unknown amount of diesel to ground from fuel pump leak.
Ottawa-Carleton Transit	Moodie Drive between Hwy. 417 and Carling Avenue	2002	Possible	Unknown amount of coolant to road from pipe/hose leak. Sewer-matic cleaned site.
Transport Truck	Corkstown Road and Moodie Drive	2003	Not Anticipated	Unknown amount of diesel spilled during traffic accident.
Transport Truck	Moodie Drive	2004	Possible	7 litres of radiator fluid to storm sewer from pipe or hose leak.
City of Ottawa	Carling Avenue in front of Westgate Shopping Centre	2004	Possible	7 litres of antifreeze to storm sewer from pipe or hose leak.
Nortel Networks	N/A	2005	Not Anticipated	Unknown amount of chloroflourocarbons (CFCs) to air from unknown source.

Table 2. Water Well Summary
Phase I Environmental Site Assessment
West Transitway Extension,
Bayshore Drive to Moodie Drive,
Ottawa, Ontario

Address	Year Installed	Use	Depth (m)	Static Water Level (m)	Observations	Bedrock/ Overburden	Water Type
Lot 13, Con 1	1950	Domestic	36.58	6.1	Clear	Bedrock	Fresh
Lot 13, Con 2	1959	Domestic	83.82	3.66	Clear	Bedrock	Fresh
Lot 13, Con 2	1963	Domestic	28.35	6.1	Cloudy	Bedrock	Fresh
Lot 11, Con 1	1971	Industrial	56.39	2.74	Clear	Bedrock	Fresh
Lot 11, Con 1	1971	Not used	64.31	4.88	Clear	Bedrock	Fresh
Lot 10, Con 1	1953	Public	15.24	4.27	Clear	Bedrock	Fresh
Lot 16, Con 2	1955	Domestic	34.74	4.88	Clear	Bedrock	Fresh
Lot 10, Con 2	1958	Domestic	18.9	3.66	Clear	Bedrock	Fresh
Lot 8, Con 1	1949	Stock	15.24	N/A	Clear	Bedrock	Fresh
Lot 8	1947	Domestic	15.54	1.83	Clear	Bedrock	Unknown
Lot 10, Con 1	1964	Domestic	53.34	2.13	Cloudy	Bedrock	Fresh
Lot 13	1982	Domestic	53.34	15.24	Clear	Bedrock	Fresh
Lot 10	1983	Domestic	32	0	Cloudy	Bedrock	Fresh
Lot 9	1985	Domestic	24.99	0.3	Cloudy	Overburden	Fresh
Lot 12	1985	Domestic	22.86	0	Clear	Bedrock	Fresh
Lot 13	1986	Domestic	22.86	0.3	N/A	Bedrock	Fresh
Lot 10	1986	Domestic	25.91	0.61	Cloudy	Overburden	Fresh
Lot 10	1987	Domestic	68.58	15.24	Cloudy	Bedrock	Fresh
Lot 976	1987	Domestic	25.91	6.1	Clear	Bedrock	Fresh
Lot 9	1987	Domestic	83.82	3.66	Clear	Bedrock	Salty
Lot 8, Con 3	1987	Domestic	10.67	0.91	Cloudy	Bedrock	Fresh
Lot 12, Con 3	1987	Stock	19.81	2.44	Cloudy	Bedrock	Fresh
Lot 8	1988	Domestic	30.48	2.13	Cloudy	Bedrock	Fresh
Lot 12	1988	N/A	23.77	2.44	Clear	Bedrock	Fresh
Lot 15	1989	Domestic	21.34	0.61	Cloudy	Bedrock	Fresh
Lot 14	1989	Domestic	30.48	2.44	Clear	Bedrock	Fresh
Lot 10	1990	Domestic	32.92	0	Cloudy	Bedrock	Fresh
Lot 14	1991	Domestic	25.3	1.52	Cloudy	Bedrock	Fresh
Lot 15	1992	Not Used	7.01	N/A	Test Hole	Mixed	Fresh
Lot 15	1992	Not Used	9.14	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	8.23	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	10.67	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	9.75	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	92.96	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	9.45	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	8.53	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	8.23	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	9.45	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	1.52	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	9.45	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	10.06	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	10.06	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	8.53	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	9.14	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Not Used	9.75	N/A	Test Hole	Overburden	Fresh
Lot 15	1992	Domestic	26.52	0.61	Cloudy	Bedrock	Fresh

Table 2. Water Well Summary
Phase I Environmental Site Assessment
West Transitway Extension,
Bayshore Drive to Moodie Drive,
Ottawa, Ontario

Address	Year Installed	Use	Depth (m)	Static Water Level (m)	Observations	Bedrock/ Overburden	Water Type
Lot 15	1992	Domestic	28.04	0	Cloudy	Bedrock	Fresh
Lot 8	1994	Domestic	N/A	N/A	Abandoned	N/A	N/A
Lot 8, Con 2	1995	Domestic	55.78	9.14	Cloudy	Bedrock	Unknown
Lot 15	1998	Domestic	42.67	5.49	Cloudy	Bedrock	Unknown
Lot 15	1998	N/A	N/A	N/A	Abandoned	N/A	N/A
Lot 9	1998	Domestic	57.91	10.97	Cloudy	Bedrock	Unknown
Lot 12, Con 2	2000	Domestic	39.62	6.1	Cloudy	Unknown	Unknown
Lot 12, Con 2	2000	Domestic	N/A	7.01	Cloudy	N/A	N/A
Lot 11	2002	N/A	N/A	N/A	Abandoned	N/A	N/A
Lot 11	2003	Not Used	N/A	N/A	Not a well	N/A	N/A
Lot 12	2005	N/A	N/A	N/A	N/A	N/A	N/A
Lot 10	2005	N/A	N/A	N/A	N/A	N/A	N/A
Lot 10	2008	N/A	N/A	N/A	N/A	N/A	N/A

APPENDIX A

Aerial Photographs

Source: National Air Photo Library, Natural Resources Canada

Approximate Scale: 1:15,000

ecoplans Limited

Phase I Environmental Site Assessment
WEST TRANSITWAY EXTENSION
BAYSHORE DRIVE TO MOODIE DRIVE
OTTAWA, ONTARIO

1932 AERIAL PHOTOGRAPH

DATE: February 2010

PROJECT NO.: 550305

Appendix

A-1

Source: National Air Photo Library, Natural Resources Canada

Approximate Scale: 1:15,000

ecoplans Limited

Phase I Environmental Site Assessment
WEST TRANSITWAY EXTENSION
BAYSHORE DRIVE TO MOODIE DRIVE
OTTAWA, ONTARIO

1959 AERIAL PHOTOGRAPH

DATE: February 2010

PROJECT NO.: 550305

Appendix A-2

Source: National Air Photo Library, Natural Resources Canada

Approximate Scale: 1:15,000

ecoplans Limited

Phase I Environmental Site Assessment
WEST TRANSITWAY EXTENSION
BAYSHORE DRIVE TO MOODIE DRIVE
OTTAWA, ONTARIO

1978 AERIAL PHOTOGRAPH

DATE: February 2010

PROJECT NO.: 550305

Appendix A-3

Source: National Air Photo Library, Natural Resources Canada

Approximate Scale: 1:15,000

ecoplans Limited	Phase I Environmental Site Assessment WEST TRANSITWAY EXTENSION BAYSHORE DRIVE TO MOODIE DRIVE OTTAWA, ONTARIO **1986 AERIAL PHOTOGRAPH**	DATE: February 2010 PROJECT NO.: 550305	Appendix A-4

Source: National Air Photo Library, Natural Resources Canada

Approximate Scale: 1:15,000

ecoplans Limited	Phase I Environmental Site Assessment WEST TRANSITWAY EXTENSION BAYSHORE DRIVE TO MOODIE DRIVE OTTAWA, ONTARIO **1999 AERIAL PHOTOGRAPH**	DATE: February 2010 PROJECT NO.: 550305	Appendix A-5

APPENDIX B

EcoLog ERIS Report

Canada's Primary Environmental Risk Information Service

Project Site:	**West Transitway** **Bayshore Dr to Moodie Dr** **Ottawa, ON**
Client:	**Carrie Stephenson** **Ecoplans Limited** **2655 North Sheridan Way, Suite 280** **Mississauga, ON L5K 2P8**
ERIS Project No:	**20090311036**
Report Type:	**Custom Report - .3km Search Radius**
Prepared By:	**Matt Thompson** mthompson@eris.ca
Date:	**March 23, 2009**

12 Concorde Place, Suite 800 Toronto, Ontario M3C 4J2
416-510-5204 • Fax: 416-510-5133 Toll Free: 1-866-517-5204 • www.eris.ca • info@eris.ca

Table of Contents

Order Number: 20090311036
Site Name: West Transitway
Site Address: Bayshore Dr to Moodie Dr Ottawa, ON
Report Type: Custom Report, 0.30 km Search Radius

Report Summary

Order Number: 20090311036
Site Name: West Transitway
Site Address: Bayshore Dr to Moodie Dr Ottawa, ON
Report Type: Custom Report, 0.30 km Search Radius

Number of Mappable Records Surrounding the Site

Database		Selected	On-site	Within 0.30	0.30km to 0.30km	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	Y	0	0	0	0
CA	Certificates of Approval	Y	0	26	0	26
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0	0
CHEM	Chemical Register	Y	0	0	0	0
COAL	Coal Gasification Plants	Y	0	0	0	0
CONV	Compliance and Convictions	Y	0	0	0	0
DRL	Drill Hole Database	Y	0	0	0	0
EBR	Environmental Registry	Y	0	3	0	3
EEM	Environmental Effects Monitoring	Y	0	0	0	0
EHS	ERIS Historical Searches	Y	0	3	0	3
EIIS	Environmental Issues Information System	Y	0	0	0	0
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	Y	0	0	0	0
FST	Fuel Storage Tank	Y	0	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	22	0	22
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0	0
MNR	Mineral Occurrences	Y	0	1	0	1
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0	0
NDFT	National Defence & Canadian Forces Fuel Storage Tanks	Y	0	0	0	0
NDSP	National Defence & Canadian Forces Spills	Y	0	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0	0
NPCB	National PCB Inventory	Y	0	4	0	4
NPRI	National Pollutant Release Inventory	Y	0	6	0	6
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
PAP	Canadian Pulp and Paper	Y	0	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0	0
PES	Pesticide Register	Y	0	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0	0
RSC	Record of Site Condition	Y	0	1	0	1
RST	Retail Fuel Storage Tanks	Y	0	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	3	0	3

Report Summary

Order Number: 20090311036
Site Name: West Transitway
Site Address: Bayshore Dr to Moodie Dr Ottawa, ON
Report Type: Custom Report, 0.30 km Search Radius

Database		Selected	On-site	Within 0.30	0.30km to 0.30km	Total
SPL	Ontario Spills	Y	0	11	0	11
SRDS	Wastewater Discharger Registration Database	Y	0	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	0
WWIS	Water Well Information System	Y	0	9	0	9
		TOTAL	0	89	0	89

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.

ECOLOG ERIS
Pinpointing Your Environmental Risks

12 Concorde Pl, Suite 800 North York, ON M3C 4J2
416-510-5204

Project Property: West Transitway
Bayshore Dr to Moodie Dr
Ottawa, ON

ERIS Project #: 20090311036

Date: MAR-11-2009

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

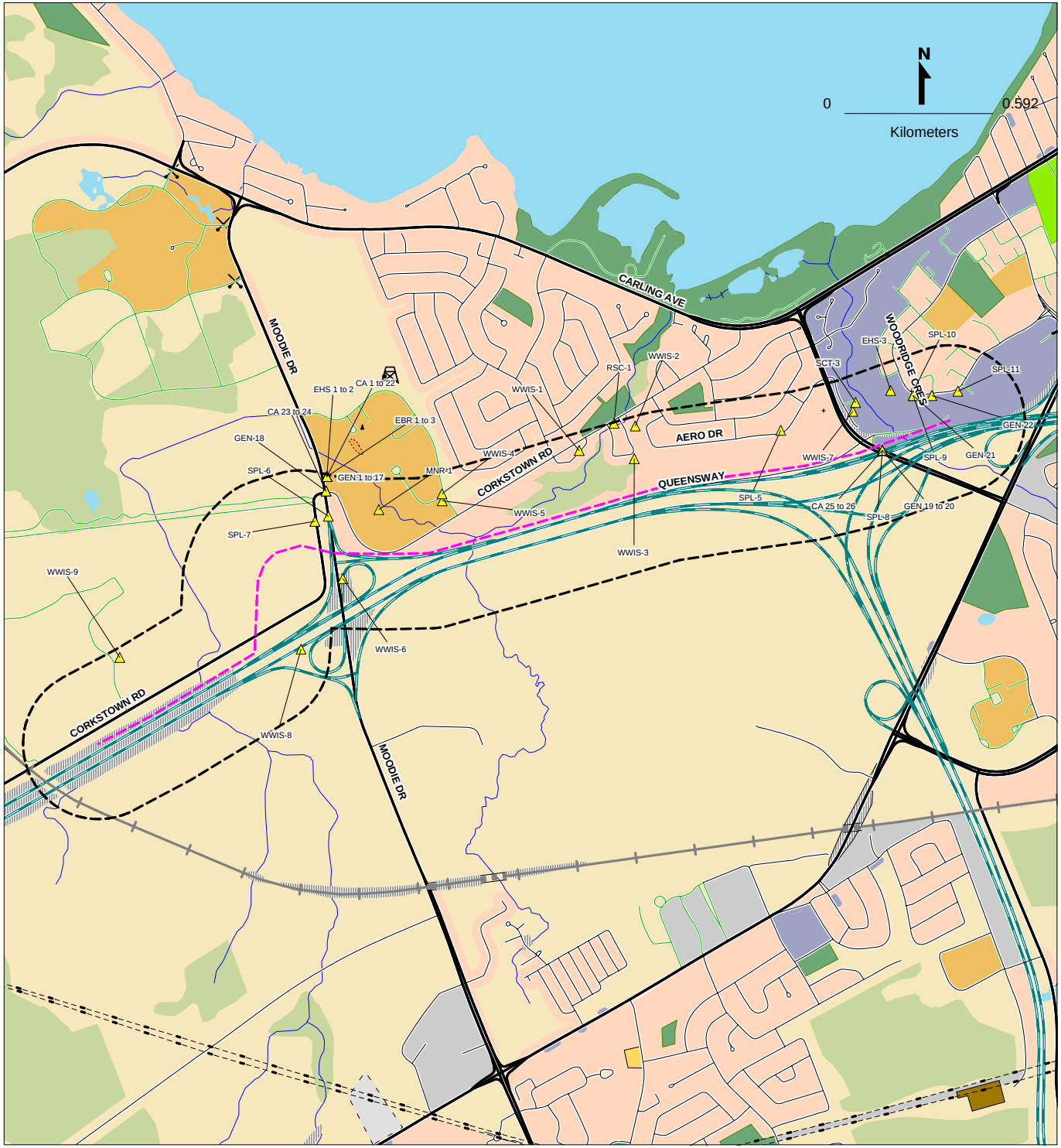
Recreation
- Golf Course/Driving Range
- Park/Sports Field
- Other Recreation Area
- Sports/Race Track
- Cemetery
- Campground

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 DIAGRAM



Site Report

Order Number: 20090311036
Site Name: West Transitway
Site Address: Bayshore Dr to Moodie Dr Ottawa, ON
Report Type: Custom Report, 0.30 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: 20090311036
Site Name: West Transitway
Site Address: Bayshore Dr to Moodie Dr Ottawa ON
Report Type: Custom Report, 0.30 km Search Radius

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

Certificates of Approval

Environmental Registry

ERIS Historical Searches

Fuel Storage Tank

Ontario Regulation 347 Waste Generators Summary

Mineral Occurrences

National PCB Inventory

National Pollutant Release Inventory

Private and Retail Fuel Storage Tanks

Record of Site Condition

Scott's Manufacturing Directory

Ontario Spills

Water Well Information System

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	NORTHERN TELECOM LIMITED	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4043-95-	95	5/4/1995	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	INSTALL REGENERATIVE CATALYTIC OXIDIZER				
			Contaminants:	Odour/Fumes				
			Emission Control:	Catalytic Incineration				
CA-2	NORTHERN TELECOM ELECTRONICS LTD.	185 CORKSTOWN RD. OTTAWA CITY K2H 8V4	8-4023-86-	86	10/3/1986	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	ACID & SOLVENT VAPOUR EXHAUST				
			Contaminants:	Orthodichlorobenzene, Phosphine, Silane				
			Emission Control:	Venturi Scrubber				
CA-3	NORTHERN TELECOM	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4053-88-	88	6/20/1988	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-4	NORTHERN TELECOM ELECTRONICS	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4097-90-	90	7/16/1990	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	INST. FLUE VENT SYSTEM FOR NATURAL GAS				
			Contaminants:	Nitrogen Oxides, Sulphur Dioxide				
			Emission Control:	No Controls				

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-5	NORTHERN TELECOM ELECTRONICS LTD.	185 CORKSTOWN ROAD-X#8-4118-91 NEPEAN CITY K2H 8V4	8-4063-91-	91	1/28/1992	Industrial air	Cancelled	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	ADD (4) NEW PROC. TOOLS TO EXIST.BLDG #3				
			Contaminants:					
			Emission Control:					
CA-6	NORTHERN TELECON ELECTRONICS LTD.	185 CORKSTOWN ROAD-X#8-4063-91 NEPEAN CITY K2H 8V4	8-4118-91-	91	3/9/1992	Industrial air	Approved in 1992	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	REPLACEMENT CENTRAL WET SCRUBBING SYSTEM				
			Contaminants:	Other Contaminant, Hydrogen Chloride, Silica (Respirable), Ammonia, Nitrogen Oxides, Boron Trichloride				
			Emission Control:					
CA-7	NORTHERN TELECOM ELECTRONICS	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4094-90-	90	7/20/1990	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	INST. NEW EXHUAST SYSTEM TO ACC. INCREAS				
			Contaminants:	Hydrogen Chloride, Ammonia, Nitrogen Oxides, Fluorides (Gas, Growing Season), Phosphoric Acid				
			Emission Control:	No Controls				
CA-8	NORTHERN TELECOM ELECTRONICS	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4056-91-	91	7/18/1991	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	FUME EXHAUST FOR SOLDER PLATING LINE				
			Contaminants:	Sulphuric Acid, Nitric Acid, Acetone, Other Contaminant				
			Emission Control:	Spray Chamber,				

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-9	NORTHERN TELECOM LIMITED	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4163-92-	92	11/17/1992	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	INST. SCRUBBERS, ROOM COOLING EXH FANS				
			Contaminants:	Hydrogen Chloride, Ammonia, Nitrogen Oxides, Chlorine, Other Contaminant				
			Emission Control:	Packed Tower, Flare,				
CA-10	NORTHERN TELECOM LIMITED	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4090-93-	93	8/19/1993	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	ADD. S.S. DIS. CONE TO BOILER STACKS				
			Contaminants:	Nitrogen Oxides				
			Emission Control:					
CA-11	NORTEL NETWORKS	185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	8-4037-99-	99	6/1/1999	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	EXHAUST FOR WASTE WATER T. STORAGE TANKS				
			Contaminants:	Sodium Hydroxide, Hydrogen Chloride				
			Emission Control:	No Controls				
CA-12	NORTHERN TELECOM ELECTRONICS	185 CORKSTOWN RD. NEPEAN K2H 8V4	8-4018-85-006	85	6/14/85	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:	Nitrogen Oxides, Sound				
			Emission Control:	No Controls				

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-13		185 Corkstown Road Nepean K2H 8V4	8-4118-91-977	01	10/17/01	Industrial air	Approved	Notice
		Client Name:	Nortel Networks Optical Components Corporation					
		Client Address:	500 Palladium Drive					
		Client City:	Kanata					
		Client Postal Code:	K2V 1C2					
		Project Description:	Company name change from Northern Telecom Limited to Nortel Networks Optical Components Corporation.					
		Contaminants:						
		Emission Control:						
CA-14		185 Corkstown Road Nepean K2H 8V4	8-4118-84-856	01	10/17/01	Industrial air	Approved	Notice
		Client Name:	Nortel Networks Optical Components Corporation					
		Client Address:	500 Palladium Drive					
		Client City:	Kanata					
		Client Postal Code:	K2V 1C2					
		Project Description:	Company name change from Northern Telecom Electronics Ltd. to Nortel Networks Optical Components Corporation.					
		Contaminants:						
		Emission Control:						
CA-15		185 Corkstown Road Nepean K2H 8V4	8-4163-92-947	01	10/26/01	Industrial air	Approved	Notice
		Client Name:	Nortel Networks Optical Components Corporation					
		Client Address:	500 Palladium Drive					
		Client City:	Kanata					
		Client Postal Code:	K2V 1C2					
		Project Description:	Company name change from Northern Telecom Ltd. to Nortel Network Optical Components Corporation.					
		Contaminants:						
		Emission Control:						
CA-16		185 Corkstown Road Nepean K2H 8V4	8-4052-83-846	01	10/17/01	Industrial air	Approved	Notice
		Client Name:	Nortel Networks Optical Components Corporation					
		Client Address:	500 Palladium Drive					
		Client City:	Kanata					
		Client Postal Code:	K2V 1C2					
		Project Description:	Company name change from Bell-Northern Research Limited to Nortel Networks Optical Components					
		Contaminants:						
		Emission Control:						

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-17		185 Corkstown Road Nepean K2H 8V4	8-4043-95-006	01	4/9/01	Industrial air	Approved	Notice
			Client Name:	Nortel Networks Optical Components Corporation				
			Client Address:	500 Palladium Drive				
			Client City:	Kanata				
			Client Postal Code:	K2V 1C2				
			Project Description:	Administrative Name Change				
			Contaminants:					
			Emission Control:					
CA-18		185 Corkstown Road Nepean K2H 8V4	8-4052-88-006	01	4/9/01	Industrial air	Approved	Notice
			Client Name:	Nortel Networks Optical Components Corporation				
			Client Address:	500 Palladium Drive				
			Client City:	Kanata				
			Client Postal Code:	K2V 1C2				
			Project Description:	Administrative Name Change				
			Contaminants:					
			Emission Control:					
CA-19		185 Corkstown Road Nepean K2H 8V4	8-4097-90-006	01	4/9/01	Industrial air	Approved	Notice
			Client Name:	Nortel Networks Optical Components Corporation				
			Client Address:	500 Palladium Drive				
			Client City:	Kanata				
			Client Postal Code:	K2V 1C2				
			Project Description:	Administrative Name Change				
			Contaminants:					
			Emission Control:					
CA-20		185 Corkstown Road Nepean K2H 8V4	8-4090-93-006	01	4/17/01	Industrial air	Approved	Notice
			Client Name:	Nortel Networks Optical Components Corporation				
			Client Address:	500 Palladium Drive				
			Client City:	Kanata				
			Client Postal Code:	K2V 1C2				
			Project Description:	Administrative Name Change				
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-21		185 Corkstown Road Nepean K2H 8V4	8-4056-91-006	01	4/9/01	Industrial air	Approved	Notice
			Client Name:	Nortel Networks Optical Components Corporation				
			Client Address:	500 Palladium Drive				
			Client City:	Kanata				
			Client Postal Code:	K2V 1C2				
			Project Description:	Administrative Name Change				
			Contaminants:					
			Emission Control:					
CA-22		185 Corkstown Road Nepean K2H 8V4	8-4094-90-006	01	4/9/01	Industrial air	Approved	Notice
			Client Name:	Nortel Networks Optical Components Corporation				
			Client Address:	500 Palladium Drive				
			Client City:	Kanata				
			Client Postal Code:	K2V 1C2				
			Project Description:	Administrative Name Change				
			Contaminants:					
			Emission Control:					
CA-23	NORTHERN TELECOM LIMITED	MOODIE DR./CORKSTOWN RD. NEPEAN	3-1076-98-	98	8/7/1998	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
CA-24	NORTHERN TELECOM LIMITED	MOODIE DR/CORKSTOWN RD. NEPEAN	7-0563-98-	98	6/23/1998	Municipal water	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
CA-25	REGIONAL MUNICIPALITY OF OTTAWA-CARLETON	ACRES RD. HWY. 417 NEPEAN CITY	8-4146-87-	87	3/23/1988	Industrial air	Cancelled	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:		SEE NO. 8-4019-88			
			Contaminants:					
			Emission Control:					
CA-26	R.M. OF OTTAWA-CARLETON WATTS CREEK RELF	ACRES RD. HWY.#417 3-1321-87 NEPEAN CITY	8-4019-88-	88	4/18/1988	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:		DIESEL GENERATORS 2 STAND-BY			
			Contaminants:		Nitrogen Oxides			
			Emission Control:					
n/a	TERRACE INVESTMENTS LTD.	MOODIE DR. MALLORN PAVILLION NEPEAN CITY	3-2345-88-	88	12/20/1988	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a	WARTAN DEVELOPMENT CORPORATION-LOT 11	STREET 'O'-BELFAST RD. CONDOS OTTAWA CITY	3-0566-90-	90	4/12/1990	Municipal sewage	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	ROCKY PANTALONE - WEST END STATION RESTA	PT. LOT 13 & 14 CONC. 2 NEPEAN CITY	8-4088-96-	96	4/10/1996	Industrial air	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:	KITCHEN EXHAUST FOR RESTAURANT				
			Contaminants:					
			Emission Control:					
n/a	MONARCH CONSTRUCTION LIMITED	LOT 11/C-2, JOCKVALE SWM FAC. NEPEAN CITY	3-0223-99-	99	4/23/1999	Municipal sewage	Approved	
			Client Name:					
			Client Address:					
			Client City:					
			Client Postal Code:					
			Project Description:					
			Contaminants:					
			Emission Control:					
n/a		Lot 10, Lot 11, Conc. 2, Stonebridge Subd. Ottawa	4838-4WDRDT	01	5/4/01	Municipal & Private sewage	Approved	New Certificate of Approval
			Client Name:	Monarch Construction Limited				
			Client Address:	3584 Jockvale Road				
			Client City:	Nepean				
			Client Postal Code:	K2C 3H2				
			Project Description:	Installation of storm and sanitary sewers to serve Stonebridge Phase 3				
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a		Lot 11 Concession 2 R.F. Nepean	6551-4FAN28	00	1/11/00	Municipal & Private sewage	Approved	New Certificate of Approval

Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: NEPEAN
Client Postal Code: K2C 3H2
Project Description: Construction of a sanitary sewage pumping station in the Stonebridge residential and golf community in the City of Nepean. The station consists of a 2.43 metre diametre reinforced plastic (RFP) wet well with two 15kW submersible pumps. each pump will be capable of delivering about 389 l/s flow, discharging to a 2600 metre long 250mm diametre PVC forcemain. the forcemain empties into a regional trunk sewer which in turn discharges to a central treatment plant. the station has the capability and capacity to increase flows to about 70 l/s in the future if demand warrants. The station is designed to service residential development of about 62 hectares including about 830 units and a population of about 2400. The station will also include a 27.5 sq. m. control building of timber construction. The control building will house a 60kW diesel genset as back up power source. the genset will be capable of operating both pumps and the station simultaneously. The control building also includes the necessary controls including distribution and monitoring communications which will be by radio frequency. the station is equipped with by-pass capabilities. there is no overflow. the wet well and sewer system has a storage capacity of about 5 hours under average flow at build up. A portable genset, if required, can be easily wired to the control panels.
Contaminants:
Emission Control:

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	Stonebridge Subdivision	Part of Lot 10, Concession 2 Ottawa	9685-522N2M	01	9/5/01	Municipal & Private sewage	Approved	New Certificate of Approval

Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: Construction of storm and sanitary sewers on Golflinks Drive, Oakbar Crescent and Street 1.
Contaminants:
Emission Control:

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	Stonebridge Subdivision	Part of Lot 10, Concession 2, Street No. 2 Ottawa	6346-4Z6P4V	01	7/31/01	Municipal & Private sewage	Approved	New Certificate of Approval

Client Name: Monarch Construction Limited
Client Address: 3584 Jockvale Road
Client City: Nepean
Client Postal Code: K2C 3H2
Project Description: This application is for the construction of sanitary sewers including appurtenances on Street No. 2, from Golflinks Drive to approximately 430 meters south of Golflinks Drive.
Contaminants:
Emission Control:

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a		Lot 10 and 11, Concession 2 Ottawa	2621-4WHPVP	01	5/14/01	Municipal & Private water	Approved	New Certificate of Approval
			Client Name:	Monarch Construction Limited				
			Client Address:	3584 Jockvale Road				
			Client City:	Nepean				
			Client Postal Code:	K2C 3H2				
			Project Description:	Watermain Construction				
			Contaminants:					
			Emission Control:					
n/a		Lot 10, Lot 11, Conc. 2, Stonebridge Subd. Ottawa	2176-4WDR8J	01	5/4/01	Municipal & Private water	Approved	New Certificate of Approval
			Client Name:	Monarch Construction Limited				
			Client Address:	3584 Jockvale Road				
			Client City:	Nepean				
			Client Postal Code:	K2C 3H2				
			Project Description:	Installation of a watermain re: Stonebridge Phase 3				
			Contaminants:					
			Emission Control:					
n/a	Stonebridge Subdivision	Part of Lot 10, Concession 2 Ottawa	6503-522MPV	01	9/5/01	Municipal & Private water	Approved	New Certificate of Approval
			Client Name:	Monarch Construction Limited				
			Client Address:	3584 Jockvale Road				
			Client City:	Nepean				
			Client Postal Code:	K2C 3H2				
			Project Description:	Construction of atermains on Golflinks Drive, Oakbriar Crescent and Street 1.				
			Contaminants:					
			Emission Control:					
n/a	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front Ottawa	2054-57GJUQ	02	2/20/02	Municipal & Private sewage	Approved	New Certificate of Approval
			Client Name:	Ottawa carleton Catholic School Board				
			Client Address:	1224 Main St.				
			Client City:	Stittsville				
			Client Postal Code:	K2S 1B2				
			Project Description:	On-site storm drainage system with an off-site drainage swale forming a stormwater management system.				
			Contaminants:					
			Emission Control:					

Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
n/a	South Nepean High School	Part of Lot 13, Concession 2 Rideau Front Ottawa	5530-56PKWF	02	3/8/02	Municipal & Private sewage	Approved	New Certificate of Approval

Client Name: Ottawa carleton Catholic School Board
Client Address: 1224 Main St.
Client City: Stittsville
Client Postal Code: K2S 1B2
Project Description: Sanitary sewer collection system, sewage pumping station, sanitary forcemain and sanitary sewer construction
Contaminants:
Emission Control:

Environmental Registry

Map Key	Company	Address	Year	EBR Registry No.	Ministry Ref. No.	Type
EBR-1	NORTHERN TELECOM ELECTRONICS LTD	185 CORKSTOWN ROAD City of Nepean K2H 8V4	1997	IA7E0335		Instrument
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	3/6/97		
			Location:	City of Nepean		
			Proponent Address:	NORTHERN TELECOM ELECTRONICS LTD.185 Corkstown Road,Nepean, Ontario, K2H 8V4		
EBR-2	Nortel Networks	185 Corkstown Road City of Nepean K2H 8V4	1999	IA9E0531		Instrument
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	4/28/99		
			Location:	City of Nepean		
			Proponent Address:	Nortel NetworksP.O. Box 3511, Station 'C',Ottawa, Ontario, K1Y 4H7		
EBR-3	Abbott Point of Care Canada Limited	185 Corkstown Road Ottawa K2H 8V4	2008	010-4209	8264-7GMRMG	Instrument Proposal
			Instrument Type:	(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	July 22, 2008		
			Location:	185 Corkstown Road Ottawa K2H 8V4		
			Proponent Address:	185 Corkstown Road Ottawa Ontario Canada K2H 8V4		
n/a	Northern Telecom Canada Limited	City of Ottawa	1998	IA8E0946		Instrument
			Instrument Type:	EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)		
			Proposal Date:	7/2/98		
			Location:	City of Ottawa		
			Proponent Address:	Northern Telecom Canada Limited, Ottawa Carling CampusP.O. Box 3511, Station 'C',Ottawa, Ontario, K1Y 4H7		
n/a	Taggart Construction Limited	Cambrian Road Lot: 11 & 12, Concession: 2 Ottawa	2008	010-3795	1231-7FFJA4	Instrument Proposal
			Instrument Type:	(OWRA s. 34) - Permit to take water		
			Proposal Date:	June 20, 2008		
			Location:	Cambrian Road Lot: 11 & 12, Concession: 2, near Greenbank Road (Half Moon Bay (Tamarack)), Ottawa		
			Proponent Address:	3187 Albion Rd S Ottawa Ontario K1V 8Y3		
n/a	Taggart Construction Limited	Cambrian Road Lot: 11 & 12, Concession: 2 Ottawa	2008	010-3054	3158-7CPQ3P	Instrument Proposal
			Instrument Type:	(OWRA s. 34) - Permit to take water		
			Proposal Date:	March 31, 2008		
			Location:	Cambrian Road Lot: 11 & 12, Concession: 2, Ottawa City		
			Proponent Address:	3187 Albion Rd S Ottawa Ontario K1V 8Y3		

ERIS Historical Searches

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		185 Corkstown Road Ottawa	20041123010	12/1/04	Complete Report	0.6
			Addit. Info Ordered:	Fire Insur. Maps and/or Site Plans		
EHS-2		185 Corkstown Road Nepean K2H 8V4	20061214014	12/19/2006	Complete Report	0.5
			Addit. Info Ordered:	Fire Insur. Maps And /or Site Plans; Title Search; Aerials Photos; City Directory		
EHS-3		Woodbridge Cres Ottawa	20031021016	10/30/03	Basic Report	0.25
			Addit. Info Ordered:			

Fuel Storage Tank

Map Key	Company	Address	Tank Status	License Issue Date	Operation Type	Facility Type
n/a	ALVIN DELL WELDING LTD	MOODIE DR S NEPEAN	Licensed	6/4/1990	Private Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Tank Fuel Type
Active	4546	1986	Liquid Fuel Single Wall UST - Gasoline

Map Key	Company	Address	Tank Status	License Issue Date	Operation Type	Facility Type
n/a	ALVIN DELL WELDING LTD	MOODIE DR S NEPEAN	Licensed	6/4/1990	Retail Fuel Outlet	Gasoline Station - Self Serve

Status	Capacity (L)	Year of Installation	Tank Fuel Type
Active	4546	1986	Liquid Fuel Single Wall UST - Gasoline

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	NORTHERN TELECOM ELECTRONICS LTD	SEMICONDUCTOR COMPONENTS GROUP 185 CORKSTOWN RD. (75 MOODIE DR.) NEPEAN K2H 8V4	3352	ELECT. PARTS & COMP.	146	OTHER SPECIFIED INORGANICS
			Generator #:	ON0132308	148	INORGANIC LABORATORY CHEMICALS
			Approval Yrs:	86,87,88	212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
GEN-2	Abbott Point of Care Canada Limited	185 Corkstown Road Ottawa K2H 8V4			252	Waste crankcase oils and lubricants
			Generator #:	ON3695358	312	Pathological wastes
			Approval Yrs:	As of August 2008	112	Acid solutions - containing heavy metals
					122	Alkaline slutions - containing other metals and non-metals (not cyanide)
					145	Wastes from the use of pigments, coatings and paints
					146	Other specified inorganic sludges, slurries or solids
					211	Aromatic solvents and residues
					212	Aliphatic solvents and residues
					243	PCB
					251	Waste oils/sludges (petroleum based)

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-3	NORTHERN TELECOM ELECTRONICS LTD	185 CORKSTOWN RD. NEPEAN K2H 8V4	3352	ELECT. PARTS & COMP.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0132308	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	90	123	ALKALINE PHOSPHATES
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-4	NORTHERN TELECOM LTD. 28-009	185 CORKSTOWN RD. NEPEAN K2H 8V4	3352	ELECT. PARTS & COMP.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0132308	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	94,95	123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					268	AMINES
					312	PATHOLOGICAL WASTES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-5	NORTHERN (SEE & USE ON0231504) 28-009	185 CORKSTOWN RD. NEPEAN K2H 8V4	3352	ELECT. PARTS & COMP.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0132308	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	96	123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					268	AMINES
					312	PATHOLOGICAL WASTES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-6	NORTHERN TELECOM LIMITED (NORTEL)	185 CORKSTOWN ROAD NEPEAN K1Y 4H7	3351	TELECOMMUNICATIONS	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0132308	113	ACID WASTE - OTHER METALS
			Approval Yrs:	97	121	ALKALINE WASTES - HEAVY METALS
					123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					267	ORGANIC ACIDS
					268	AMINES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-7	NORTHERN TELECOM LTD. (NORTEL NETWORKS)	185 CORKSTOWN ROAD NEPEAN K1Y 4H7	3351	TELECOMMUNICATIONS	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0132308	113	ACID WASTE - OTHER METALS
			Approval Yrs:	98	121	ALKALINE WASTES - HEAVY METALS
					123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					267	ORGANIC ACIDS
					268	AMINES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-8	NORTEL NETWORKS CORPORATION	185 CORKSTOWN ROAD NEPEAN K1Y 4H7	3351	TELECOMMUNICATIONS	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0132308	113	ACID WASTE - OTHER METALS
			Approval Yrs:	99	121	ALKALINE WASTES - HEAVY METALS
					123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					267	ORGANIC ACIDS
					268	AMINES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-9	NORTEL NETWORKS OPTICAL COMPONENTS CORP.	185 CORKSTOWN ROAD NEPEAN K1Y 4H7	3351	TELECOMMUNICATIONS	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0132308	113	ACID WASTE - OTHER METALS
			Approval Yrs:	00,01	121	ALKALINE WASTES - HEAVY METALS
					122	ALKALINE WASTES - OTHER METALS
					123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					267	ORGANIC ACIDS
					268	AMINES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-10	NORTEL NETWORKS	185 Corkstown Road (040/31/D05) Nepean K2H 8V4	334410	Semiconductor & Electronic Component Mfg.	145	PAINT/PIGMENT/COATING RESIDUES
			Generator #:	ON0132308	243	PCB'S
			Approval Yrs:	02,03,04,05,06	263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					267	ORGANIC ACIDS
					268	AMINES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES
					112	ACID WASTE - HEAVY METALS
					113	ACID WASTE - OTHER METALS
					121	ALKALINE WASTES - HEAVY METALS
					123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-11	NORTEL	185 CORKSTOWN ROAD NEPEAN K1Y 4H7	3351	TELECOMMUNICATIONS	112	ACID WASTE - HEAVY METALS
			Generator #:	ON0231504	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	96,97	123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S
					252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					261	PHARMACEUTICALS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					268	AMINES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-12	NORTEL(SEE & USE ON0132308)	185 CORKSTOWN ROAD NEPEAN K1Y 4H7	3351	TELECOMMUNICATIONS	253	EMULSIFIED OILS
			Generator #:	ON0231504	261	PHARMACEUTICALS
			Approval Yrs:	98	263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					268	AMINES
					312	PATHOLOGICAL WASTES
					331	WASTE COMPRESSED GASES
					252	WASTE OILS & LUBRICANTS
					112	ACID WASTE - HEAVY METALS
					121	ALKALINE WASTES - HEAVY METALS
					123	ALKALINE PHOSPHATES
					131	NEUTRALIZED WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
					232	POLYMERIC RESINS
					241	HALOGENATED SOLVENTS
					243	PCB'S

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-13	NORTHERN TELECOM ELECTRONICS LTD	185 CORKSTOWN RD. NEPEAN K2H 8V4	3352	ELECT. PARTS & COMP.	232	POLYMERIC RESINS
			Generator #:	ON0132308	241	HALOGENATED SOLVENTS
			Approval Yrs:	89	252	WASTE OILS & LUBRICANTS
					253	EMULSIFIED OILS
					263	ORGANIC LABORATORY CHEMICALS
					264	PHOTOPROCESSING WASTES
					146	OTHER SPECIFIED INORGANICS
					148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					221	LIGHT FUELS
GEN-14	NORTEL NETWORKS Optical Components	185 Corkstown Road (040/31/D05) Nepean K2H 8V4			146	Other specified inorganic sludges, slurries or solids
			Generator #:	ON0132308	212	Aliphatic solvents and residues
			Approval Yrs:	As of August 2008	241	Halogenated solvents and residues
GEN-15	ST Microelectronics Canada INC	185 Corkstown Rd. Nepean K2H 8V4			112	ACID WASTE - HEAVY METALS
			Generator #:	ON2735356	113	ACID WASTE - OTHER METALS
			Approval Yrs:	02,03,04	121	ALKALINE WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					212	ALIPHATIC SOLVENTS
					252	WASTE OILS & LUBRICANTS
					331	WASTE COMPRESSED GASES

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-16	STMICROELECTRONICS CANADA INC.	185 CORKSTOWN ROAD NEPEAN K2H 8V4	3379	OTHER ELECT. EQUIP.	112	ACID WASTE - HEAVY METALS
			Generator #:	ON2735356	113	ACID WASTE - OTHER METALS
			Approval Yrs:	01	121	ALKALINE WASTES - HEAVY METALS
					146	OTHER SPECIFIED INORGANICS
					212	ALIPHATIC SOLVENTS
					252	WASTE OILS & LUBRICANTS
					331	WASTE COMPRESSED GASES
GEN-17	NORTEL NETWORKS CORPORATION	185 CORKSTOWN ROAD NEPEAN K1Y 4H7			112	ACID WASTE - HEAVY METALS
			Generator #:	ON1042436	121	ALKALINE WASTES - HEAVY METALS
			Approval Yrs:	02,03,04	148	INORGANIC LABORATORY CHEMICALS
					212	ALIPHATIC SOLVENTS
					252	WASTE OILS & LUBRICANTS
					263	ORGANIC LABORATORY CHEMICALS
GEN-18	Taggart Construction Limited	Moodie Drive & Corkstown Road Ottawa				
			Generator #:	ON3916620		
			Approval Yrs:	03,04		
GEN-19	NEPEAN HYDRO 28-587	BAYSHORE D.S.-ACRES ROAD AT THE QWAY C/O 1970 MERIVALE ROAD NEPEAN K2C 3G2	4911	ELECT. POWER SYS.	122	ALKALINE WASTES - OTHER METALS
			Generator #:	ON0453104	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	92,93,94,95,96,97,98		
GEN-20	NEPEAN HYDRO	BAYSHORE D.S.-ACRES ROAD AT THE QWAY C/O 1970 MERIVALE ROAD NEPEAN K2C 3G2	4911	ELECT. POWER SYS.	122	ALKALINE WASTES - OTHER METALS
			Generator #:	ON0453104	251	OIL SKIMMINGS & SLUDGES
			Approval Yrs:	89,90		
GEN-21	Quantum Environmental Group	90 Woodridge Crescent Ottawa K2B 7S9	238910	Site Preparation Contractors	213	PETROLEUM DISTILLATES
			Generator #:	ON9335348	221	LIGHT FUELS
			Approval Yrs:	05		

Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-22	NEPEAN HYDRO 28-845	BAYSHORE COMM. CTR-TRANSFORMER VAULT 66 WOODRIDGE CRES., C/O 1970 MERIVALE NEPEAN K2B 7S9	4911	ELECT. POWER SYS. **Generator #:** ON0453107 **Approval Yrs:** 92,93,94,95,96,97,98	243	PCB'S
n/a	R.W. TOMLINSON LTD.	MOODIE DRIVE QUARRY, NEPEAN C/O 5597 POWER RD., RR#6 GLOUCESTER K1G 3N4	4589	OTHER TRANS. IND. **Generator #:** ON0027601 **Approval Yrs:** 89,90	252	WASTE OILS & LUBRICANTS
n/a	SET CONSTRUCTION LIMITED	R.R. #7 MOODIE DRIVE NEPEAN K2H 7V2	0000	*** NOT DEFINED *** **Generator #:** ON1123200 **Approval Yrs:** 88,89	252	WASTE OILS & LUBRICANTS
n/a	SET CONSTRUCTION LIMITED 34-517	R.R. #7 MOODIE DRIVE NEPEAN K2H 7V2	4122	WATERWORKS & SEWAGE **Generator #:** ON1123200 **Approval Yrs:** 92,93,94,95,96,97,98	252	WASTE OILS & LUBRICANTS
n/a	CITY OF OTTAWA	LOT 10, CONSESSION 2 OTTAWA K1P 1J1		**Generator #:** ON3823377 **Approval Yrs:** As of August 2008	251	Waste oils/sludges (petroleum based)
n/a	BURNSIDE SAND AND GRAVEL LIMITED	MOODIE DRIVE LOTS 12 & 13, CONCESSION 5 NEPEAN K2J 4S8		**Generator #:** ON0996300 **Approval Yrs:** As of August 2008	213	Petroleum distillates

Mineral Occurrences

Map Key	Company	Address	Easting	Northing	Zone	MDI No	Deposit Status
MNR-1	CRYSTAL BEACH		434227.26	5021322.95	18	MDI31G05SW00041	PAST PRODUCING MINE WITHOUT RESERVES

Mining Division: SOUTHERN ONTARIO
Geological District: SOUTHEASTERN ONTARIO
Claim Map: T-2383
Access Description: 1.5 km S of Rocky Point.

Year	Name	Twp/Area	Con/Lot/Sec	Commodity	Deposit Characteristic
1993	CRYSTAL BEACH	NEPEAN	LOT: 10 CON: 1	DOLOMITE/DOLOSTONE (BUILDING STONE)	

National PCB Inventory

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-1	BELL- NORTHERN RESEARCH LTD.	185 CORKSTOWN ROAD NEPEAN LAB Nepean K2H 8V4	O0731B	11/09/1989		Other	Stored for Disposal

State	Status	Item	Pcb Type/Code	Location
Full	Stored for disposal	Capacitor	Askarel/Askarel	IN STORAGE

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-2	NORTHERN TELECOM CANADA LTD.	185 CORKSTOWN ROAD Nepean K2H 8V4	O0980	28/09/1993	9/7/1991	Electrical	Stored for Disposal

State	Status	Item	Pcb Type/Code	Location
Full	Stored for disposal	Capacitor	Askarel/Askarel	IN STORAGE

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-3	NORTHERN TELECOM CANADA LTD.	185 CORKSTOWN ROAD NEPEAN K2H 8V4	O0980	8/20/1991	09/07/91		

State	Status	Item	Pcb Type/Code	Location
	In-Use		Askarel	

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
NPCB-4	BELL-NORTHERN RESEARCH LTD.	NEPEAN LAB; 185 CORKSTOWN ROAD NEPEAN K2H 8V4	O0731B	2/24/1992		Other	

State	Status	Item	Pcb Type/Code	Location

Map Key	Company	Address	Company Code	Transaction Date	Inspection Date	Industry	Site Status
n/a	BELL-NORTHERN RESEARCH LTD.	P.O. BOX 3511; STATION C OTTAWA K1Y 4H7	O0731	2/24/1992		Other	

State	Status	Item	Pcb Type/Code	Location

National Pollutant Release Inventory

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-1	STMicroelectronics (Canada) Inc.	185 Corkstown Road Ottawa K2H 8V4	5936	2001		

Air	Water	Land	Units	Substances Released
3.46	0.00	0.00	tonnes	Isopropyl alcohol
0.00	0.00	0.00	tonnes	Sulphuric acid

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-2	STMicroelectronics (Canada) Inc.	185 Corkstown Road Mailstop: 040/32/E35 Nepean K2H 8V4	5936	2000		

Air	Water	Land	Units	Substances Released
3.15	0.00	0.00	tonnes	Isopropyl alcohol
0.00	0.00	0.00	tonnes	Sulphuric acid

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-3	Nortel Networks	185 Corkstown Road (m/s 040/41/E09) Nepean K2H 8V4	5669	2000		

Air	Water	Land	Units	Substances Released
3.20	0.00	0.00	tonnes	Isopropyl alcohol
0.00	0.00	0.00	tonnes	Sulphuric acid

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-4	Nortel Networks	185 Corkstown Road (m/s 022) Nepean K2H 8V4	5669	1998		

Air	Water	Land	Units	Substances Released
3.60	0.00	0.00	tonnes	Isopropyl alcohol
0.00	0.00	0.00	tonnes	Hydrochloric acid
0.00	0.00	0.00	tonnes	Sulphuric acid

National Pollutant Release Inventory

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-5	Northern Telecom (NORTEL)	185 Corkstown Road Nepean K2H 8V4	5669	1997		

Air	Water	Land	Units	Substances Released
0.00	0.00	0.00	tonnes	Isopropyl alcohol
0.00	0.00	0.00	tonnes	Hydrochloric acid
0.00	0.00	0.00	tonnes	Sulphuric acid

Map Key	Company	Address	NPRI #	Year	Longitude	Latitude
NPRI-6	Nortel Networks	185 Corkstown Road, (m/s 040/41/E09) (m/s 040/41/E09) Nepean K2H 8V4	5669	1999		

Air	Water	Land	Units	Substances Released
4.80	0.00	0.00	tonnes	Isopropyl alcohol
0.00	0.00	0.00	tonnes	Sulphuric acid

Private and Retail Fuel Storage Tanks

Map Key	Company	Address	Location ID	Type	Capacity (L)	Expiry Date	Licence #	Facility Description
n/a	ALVIN DELL WELDING LTD	MOODIE DR S NEPEAN K2H 9R4	9633	private		4546.00	0001022038	PRIVATE FUEL OUTLET
n/a	MEL HILL	LOT 12 CON 2 WEST CARLETON	16691	private		13638.00	0001068364	PRIVATE FUEL OUTLET

Record of Site Condition

Map Key	Company	Address	Date Submitted	Date Acknowledg.	Date Returned	Soil Type	Restoration Type
RSC-1		70 Corkstown Road Nepean K2H 5B5	11/01/99	11/17/99		Fine	Generic

Registration #:
Stratified (Y/N): N
Criteria:
Consultant: John D. Paterson and Associates
District Office: Ottawa

Scott's Manufacturing Directory

Map Key	Company	Address	Established	Plant Size (ft²)	Employment	SIC/NAICS Code	Description
SCT-1	NORTEL	185 CORKSTOWN RD NEPEAN K2H 8V4	1972	500000	900	3674	SEMICONDUCTORS AND RELATED DEVICES
SCT-2	NORTEL NETWORKS	185 CORKSTOWN RD NEPEAN K2H 8V4	1972	500000	900	334110	Computer and Peripheral Equipment Manufacturing
						334210	Telephone Apparatus Manufacturing
						334220	Radio and Television Broadcasting and Wireless Communications Equipment Manufacturing
						334290	Other Communications Equipment Manufacturing
						334410	Semiconductor and Other Electronic Component Manufacturing
						334512	Measuring, Medical and Controlling Devices Manufacturing
						335920	Communication and Energy Wire and Cable Manufacturing
SCT-3	Glass Touch	45 Creek's End Lane Nepean K2H 1C7	2004			327215	Glass Product Manufacturing from Purchased Glass

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-1	NORTHERN TELECOM ELECTRONICS L	NEPEAN PLANT 185 CORKSTOWN ROAD OTTAWA CITY	76309	9/15/1992	9/15/1992		
			Incident Summary:	NORTHERN TELECOM - BROKEN DRAIN LINE FOUND,UNDER- GROUND PROCESS WATER LEAK			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
SPL-2	NORTHERN TELECOM ELECTRONICS L	185 CORKSTOWN RD NEPEAN PLANT 185 CORKSTOWN ROAD NEPEAN CITY K2H 8V4	70580	//	5/13/1992		
			Incident Summary:	NORTHERN TELECOM - UNDER-GROUND PIPE LEAKING PROCESS ACID WATER.			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	CORROSION			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
SPL-3	NORTHERN TELECOM ELECTRONICS	VOC THERMAL DESTRUCTION UNIT NEPEAN PLANT 185 CORKSTOWN ROAD NEPEAN CITY	159435	8/26/1998	8/26/1998		
			Incident Summary:	NORTEL- VOC TO ATM DUE TO BROKEN VALVE IN VOC THERMAL DESTRUCTION UNIT			
			Incident Cause:	PROCESS UPSET			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:	Air Pollution			
			Receiving Medium:	AIR			
			Environmental Impact:	POSSIBLE			
SPL-4	NORTEL NETWORKS	185 COOKSTOWN RD NEPEAN NEPEAN PLANT 185 COOKSTOWN ROAD OTTAWA CITY	195029	2001/02/15	2001/02/15		
			Incident Summary:	NORTEL: SCRUBBER DOWN DUETO SCRUBBER SUMP LEAK. ACID VAPOURS TO AIR.			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Air Pollution			
			Receiving Medium:	Air			
			Environmental Impact:	Possible			
SPL-5	ESSO HOME COMFORT	27 AERO DR NORTH YORK YARD 953 WILSON ROAD OTTAWA CITY K2H 5E2	195655	2001/01/26	2001/01/27		
			Incident Summary:	ESSO H.C.: 1 L FURNACE OIL TO DRIVEWAY. BLOWBACKCONTAINED AND CLEANED.			
			Incident Cause:	CONTAINER OVERFLOW			
			Incident Reason:	ERROR			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	Land			
			Environmental Impact:	Possible			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-6	OC TRANSPO	HWY #417 WEST OFFRAMP TO MOODIE DRIVE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY	239188	9/12/02	9/12/02		
			Incident Summary:	OC TRANSPO:40 LITRES OF HYDRAULIC FLUID TO GROUND & CB, CONTAINED/CLEANING			
			Incident Cause:	UNKNOWN			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Multi Media Pollution			
			Receiving Medium:	LAND, WATER			
			Environmental Impact:	POSSIBLE			
SPL-7	CITY OF NEPEAN	NEPEAN CAMPGROUNDS 411 CORKSTOWN RD NEPEAN CITY	114482	6/14/1995	6/15/1995		
			Incident Summary:	NEPEAN CAMPGROUNDS:900 L FUEL OIL TANK FOUND LEAK-ING AN UNKNOWN AMOUNT.			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	CORROSION			
			Nature of Impact:	Groundwater pollution			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
SPL-8	NEPEAN HYDRO	ACRES RD./HWY #417 NEPEAN CITY	83754	4/8/1993	4/8/1993		
			Incident Summary:	NEPEAN HYDRO-220L TRANSF.OIL SPRAYED TO GROUND FROM CONSERVER TANK.			
			Incident Cause:	COOLING SYSTEM LEAK			
			Incident Reason:	EQUIPMENT FAILURE			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	CONFIRMED			
SPL-9	UNKNOWN	CREEK BEHIND 90 WOODRIDGE CRES. OTTAWA	191186	11/28/2000	11/28/2000		
			Incident Summary:	UNKNOWN SOURCE:UNKOWN LIQUID IN CREEK.FIRE DEPTRESPODNING.			
			Incident Cause:	OTHER CAUSE (N.O.S.)			
			Incident Reason:	OTHER			
			Nature of Impact:	Water course or lake			
			Receiving Medium:	WATER			
			Environmental Impact:	POSSIBLE			
SPL-10	CONSUMERS' GAS CO. LTD., THE	91 WOODRIDGE CRESCENT NATURAL GAS PIPELINE OTTAWA CITY K2B 7T2	160558	9/27/1998	9/27/1998		
			Incident Summary:	CONSUMERS GAS- NAT GAS TO ATM DUE TO LINE RUPTURE AT CONST SITE.			
			Incident Cause:	VALVE/FITTING LEAK OR FAILURE			
			Incident Reason:	ERROR			
			Nature of Impact:	Air Pollution			
			Receiving Medium:	AIR			
			Environmental Impact:	POSSIBLE			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-11	City of Ottawa	50 WOODRIDGE CRESCENT OC TRANSPO BAYSHORE TRANSIT STATION<UNOFFICIAL> Ottawa	7746-6P4VW5	4/22/2006	4/22/2006	POWER STEARING FLUID	30 15
			Incident Summary:	OC Transpo, 25-30L power steering fluid to asphalt & c/b			
			Incident Cause:	Other Discharges			
			Incident Reason:	Equipment Failure			
			Nature of Impact:	Other Impact(s)			
			Receiving Medium:	Land & Water			
			Environmental Impact:	Not Anticipated			
n/a	SET CONSTRUCTION LTD.	RR #1 MOODIE DR. NEPEAN NEPEAN CITY	16524	3/30/1989	3/30/1989		
			Incident Summary:	SET CONSTRUCTION- OIL SPILLED TO GROUND.			
			Incident Cause:	UNKNOWN			
			Incident Reason:	UNKNOWN			
			Nature of Impact:				
			Receiving Medium:	LAND			
			Environmental Impact:				
n/a	TRANSPORT TRUCK	EAST SIDE OF QUEENSWAY (HIGHWAY 417) BETWEEN MOODIE & EAGLESON ROADS. TRANSPORT TRUCK (CARGO) NEPEAN CITY	76887	9/28/1992	9/28/1992		
			Incident Summary:	TRANSPORT TRUCK-30 L DIESEL FUEL TO DITCH.			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	NOT ANTICIPATED			
n/a	HOTEL/MOTEL	CARLING AVENUE (N.O.S.) OTTAWA CITY	84065	4/14/1993	4/14/1993		
			Incident Summary:	EMBASSY WEST HOTEL: FUEL-CONTAMINATED SOIL FOUND BY UNDERGROUND TANK			
			Incident Cause:	UNDERGROUND TANK LEAK			
			Incident Reason:	CORROSION			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	CONFIRMED			
n/a	ONTARIO HYDRO	LOT 10, CONC 2 TRANSFORMER WEST CARLETON TOWNSHIP	129593	7/23/1996	7/23/1996		
			Incident Summary:	ONTARIO HYDRO:60L NON-PCBTRANSFORMER OIL TO GROUND.			
			Incident Cause:	COOLING SYSTEM LEAK			
			Incident Reason:	STORM/FLOOD/WIND			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	BUS	WOODBRIDGE CRESENT IN FRONT OF BAY SHOPPING CENTRE MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY	178907	3/27/2000	3/27/2000		
			Incident Summary:	OC TRANSPO: SPILL TO LAND& WATER: 10 LITRES OF TRANSMISSION FLUID			
			Incident Cause:	OTHER CONTAINER LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Multi Media Pollution			
			Receiving Medium:	LAND / WATER			
			Environmental Impact:	CONFIRMED			
n/a	OTTAWA TRANSIT	CARLING AVENUE BUS OTTAWA	187680	9/29/2000	9/29/2000		
			Incident Summary:	OC TRANSPO:DIESEL FUEL LEAK FROM FUEL PUMP/LINE INTO SEWER-WORKS NOTIFIED			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Water course or lake			
			Receiving Medium:	WATER			
			Environmental Impact:	POSSIBLE			
n/a	OTTAWA-CARLETON TRANSIT	MOODIE BETWEEN QUEENSWAY AND CARLING AVE, CARLING E AND W TO CORKSTOWN ROAD OTTAWA CITY	223236	2002/03/13	2002/03/13		
			Incident Summary:	O/C TRANSIT BUS: LOST COOLENT ONTO ROADS. SEWER-MATIC CLEANING UP.			
			Incident Cause:	PIPE/HOSE LEAK			
			Incident Reason:	UNKNOWN			
			Nature of Impact:	Soil contamination			
			Receiving Medium:	LAND			
			Environmental Impact:	POSSIBLE			
n/a	PA Langevin Transport<UNOFFICIAL>	CORKSTOWN ST/MOODY DRIVE.<UNOFFICIAL> OTTAWA	7162-5RKDZK	9/20/2003	9/20/2003	DIESEL FUEL	
			Incident Summary:	P.A.Langevin-MVA,Diesel spill			
			Incident Cause:	Other Transport Accident			
			Incident Reason:	Unknown - Reason not determined			
			Nature of Impact:				
			Receiving Medium:	Land			
			Environmental Impact:	Not Anticipated			
n/a	OC Transpo<UNOFFICIAL>	MOODIE DRIVE<UNOFFICIAL> OTTAWA	0307-5WVHX9	3/8/2004	3/8/2004	ETHYLENE GLYCOL (ANTIFREEZE)	7 L
			Incident Summary:	OC Transpo - Rad Fluid to Storm Sewer			
			Incident Cause:	Pipe Or Hose Leak			
			Incident Reason:	Unknown - Reason not determined			
			Nature of Impact:	Surface Water Pollution			
			Receiving Medium:	Water			
			Environmental Impact:	Possible			

Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
n/a	City of Ottawa	CARLING AVE., IN FRONT OF WESTGATE SHOPPING CENTRE<UNOFFICIAL> OTTAWA	7707-5XRK48	4/5/2004	4/5/2004	COOLANT (N.O.S.)	7 L
			Incident Summary:	OC Transpo,7 L antifreeze into storm sewer,works			
			Incident Cause:	Pipe Or Hose Leak			
			Incident Reason:	Equipment Failure			
			Nature of Impact:	Soil Contamination			
			Receiving Medium:	Land			
			Environmental Impact:	Possible			
n/a	Nortel Networks<UNOFFICIAL>	Nortel Networks<UNOFFICIAL> Ottawa	4030-6GTJE2	9/28/2005	10/3/2005	HALON (CFC)	
			Incident Summary:	Spill to Air			
			Incident Cause:				
			Incident Reason:				
			Nature of Impact:				
			Receiving Medium:	Air			
			Environmental Impact:	Not Anticipated			

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-1		lot 13 con 1 NEPEAN TOWNSHIP	1503813	013	01	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 435030.6
Northing Nad83: 5021547
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/5/1950
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 120
Pump Rate (gpm): 3
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.6
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 210
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 48
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-2		lot 13 con 2 NEPEAN TOWNSHIP	1504015	013	02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 435255.6
Northing Nad83: 5021642
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 10/9/1959
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 275
Pump Rate (gpm): 160
Static Water Level (ft): 12
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 4.8
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 210
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 47
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-3		lot 13 con 2 NEPEAN TOWNSHIP	1504016	013	02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 435250.6
Northing Nad83: 5021512
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 1/2/1963
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 93
Pump Rate (gpm): 10
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 1.7
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 210
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 43
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-4		lot 11 con 1 NEPEAN TOWNSHIP	1511506	011	01	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 434480.6
Northing Nad83: 5021380
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 11/19/1971
Primary Water Use: INDUSTRIAL
Secondary Water Use:
Well Depth (ft): 185
Pump Rate (gpm): 220
Static Water Level (ft): 9
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 16.7
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 218
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 3
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-5		lot 11 con 1 NEPEAN TOWNSHIP	1511490	011	01	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 434480.6
Northing Nad83: 5021352
Zone: 18
Utm Reliability: margin of error : 30 m - 100 m
Construction Date: 10/22/1971
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 211
Pump Rate (gpm): 205
Static Water Level (ft): 16
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 8.5
Final Well Status: TEST HOLE
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 218
Elevation Reliability: Read from topographic map, contour interval - 25 ft
Depth to Bedrock (ft): 47
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-6		lot 10 con 1 NEPEAN TOWNSHIP	1503767	010	01	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 434080.6
Northing Nad83: 5021047
Zone: 18
Utm Reliability: unknown utm
Construction Date: 11/15/1953
Primary Water Use: PUBLIC SUPPLY
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm): 5
Static Water Level (ft): 14
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0.6
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 220
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 6
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-7		lot 16 con 2 NEPEAN TOWNSHIP	1504029	016	02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 436125.6
Northing Nad83: 5021692
Zone: 18
Utm Reliability: unknown utm
Construction Date: 5/5/1955
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 114
Pump Rate (gpm): 6
Static Water Level (ft): 16
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 1.5
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 210
Elevation Reliability: Unknown elevation
Depth to Bedrock (ft): 106
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

WWIS-8		lot 10 con 2 NEPEAN TOWNSHIP	1503997	010	02	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 433910.6
Northing Nad83: 5020767
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 5/22/1958
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 62
Pump Rate (gpm): 10
Static Water Level (ft): 12
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 10
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 230
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 50
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-9		lot 8 con 1 NEPEAN TOWNSHIP	1503762	008	01	OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 433185.6
Northing Nad83: 5020742
Zone: 18
Utm Reliability: margin of error : 100 m - 300 m
Construction Date: 7/13/1949
Primary Water Use: STOCK
Secondary Water Use:
Well Depth (ft): 50
Pump Rate (gpm):
Static Water Level (ft): 0
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 0
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): 0
Elevation (ft): 235
Elevation Reliability: Read from topographic map, contour interval - 10 ft
Depth to Bedrock (ft): 15
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 8 OTTAWA CITY (GLOUCESTER)	1500396	008		JG	OTTAWA-CARLETON	OTTAWA CITY (GLOUCESTER)

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 10/29/1947
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 51
Pump Rate (gpm): 8
Static Water Level (ft): 6
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity: 16
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 28
Overburden/Bedrock: Bedrock
Water Type: UNKNOWN
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 con 1 NEPEAN TOWNSHIP	1504664	010	01	RF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 444596
Northing Nad83: 5012562
Zone: 18
Utm Reliability: margin of error : 3 km - 10 km
Construction Date: 8/20/1964
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 175
Pump Rate (gpm): 5
Static Water Level (ft): 7
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity: 0.1
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): No
Elevation (ft): 270
Elevation Reliability: R
Depth to Bedrock (ft): 58
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 13 NEPEAN TOWNSHIP	1517753	013			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 2/23/1982
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 175
Pump Rate (gpm): 25
Static Water Level (ft): 50
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 75
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 NEPEAN TOWNSHIP	1518764	010		CON	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 11/25/1983
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 105
Pump Rate (gpm): 20
Static Water Level (ft): 0
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 88
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

n/a		lot 9 NEPEAN TOWNSHIP	1520053	009			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/29/1985
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 82
Pump Rate (gpm): 100
Static Water Level (ft): 1
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 NEPEAN TOWNSHIP	1520054	012			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 7/8/1985
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 75
Pump Rate (gpm): 50
Static Water Level (ft): 0
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 60
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 13 OTTAWA CITY	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 (ft): 75
Pump Rate (gpm): 20
Static Water Level (ft): 1
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 0
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 NEPEAN TOWNSHIP	1521190	010			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 11/28/1986
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 80
Pump Rate (gpm): 20
Static Water Level (ft): 2
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 NEPEAN TOWNSHIP	1521663	010			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 7/28/1987
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 225
Pump Rate (gpm): 3
Static Water Level (ft): 50
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 59
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 976 OTTAWA CITY	1521887	976			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 7/30/1987
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 85
Pump Rate (gpm): 8
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: CABLE TOOL
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 76
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 9 NEPEAN TOWNSHIP	1521954	009			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 9/28/1987
Primary Water Use: DOMESTIC
Secondary Water Use: COOLING OR A/C
Well Depth (ft): 275
Pump Rate (gpm): 25
Static Water Level (ft): 12
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 6
Overburden/Bedrock: Bedrock
Water Type: SALTY
Casing Material:

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 8 con 3 NEPEAN TOWNSHIP	1522106	008	03	CON	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 442686
Northing Nad83: 5010183
Zone: 18
Utm Reliability: margin of error : 3 km - 10 km
Construction Date: 12/15/1987
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 35
Pump Rate (gpm): 20
Static Water Level (ft): 3
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 30
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 con 3 NEPEAN TOWNSHIP	1522107	012	03	CON	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 441804
Northing Nad83: 5011916
Zone: 18
Utm Reliability: margin of error : 3 km - 10 km
Construction Date: 9/16/1987
Primary Water Use: STOCK
Secondary Water Use:
Well Depth (ft): 65
Pump Rate (gpm): 15
Static Water Level (ft): 8
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 24
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 8 NEPEAN TOWNSHIP	1522816	008			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/8/1988
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 100
Pump Rate (gpm): 20
Static Water Level (ft): 7
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: RECHARGE WELL
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 67
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

n/a		lot 12 NEPEAN TOWNSHIP	1523196	012			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 7/15/1988
Primary Water Use:
Secondary Water Use:
Well Depth (ft): 78
Pump Rate (gpm): 20
Static Water Level (ft): 8
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status:
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 8
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 NEPEAN TOWNSHIP	1523693	015			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 5/29/1989
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 70
Pump Rate (gpm): 20
Static Water Level (ft): 2
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 64
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 14 NEPEAN TOWNSHIP	1524159	014			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 10/27/1989
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 100
Pump Rate (gpm): 50
Static Water Level (ft): 8
Flow Rate (gpm):
Clear/Cloudy: CLEAR
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 85
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 NEPEAN TOWNSHIP	1524890	010			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 4/25/1990
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 108
Pump Rate (gpm): 20
Static Water Level (ft): 0
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 106
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

n/a		lot 14 NEPEAN TOWNSHIP	1525694	014			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 5/14/1991
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 83
Pump Rate (gpm): 40
Static Water Level (ft): 5
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 51
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526637	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/19/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 23
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 0
Overburden/Bedrock: Mixed in a Layer
Water Type: FRESH
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526638	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/19/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 30
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 0
Overburden/Bedrock: Overburden below Bedrock
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526639	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/19/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 27
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526640	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/18/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 35
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526641	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/17/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 32
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526642	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/17/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 305
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526643	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/17/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 31
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526644	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/18/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 28
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526645	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/18/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 27
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526646	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/13/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 31
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526647	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/14/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 5
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526648	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/13/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 31
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526649	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/13/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 33
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526650	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/12/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 33
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526651	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/20/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 28
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526652	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/20/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 30
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1526653	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/19/1992
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft): 32
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: TEST HOLE
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Overburden
Water Type: FRESH
Casing Material: PLASTIC

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 NEPEAN TOWNSHIP	1526689	015			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 10/28/1992
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 87
Pump Rate (gpm): 80
Static Water Level (ft): 2
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 84
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 NEPEAN TOWNSHIP	1526690	015			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 11/9/1992
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 92
Pump Rate (gpm): 50
Static Water Level (ft): 0
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 90
Overburden/Bedrock: Bedrock
Water Type: FRESH
Casing Material: STEEL

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 8 NEPEAN TOWNSHIP	1528401	008			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 12/9/1994
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: ABANDONED-QUALITY
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 8 con 2 NEPEAN TOWNSHIP	1528764	008	02		OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 443219
Northing Nad83: 5011164
Zone: 18
Utm Reliability: margin of error : 3 km - 10 km
Construction Date: 8/28/1995
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 183
Pump Rate (gpm): 12
Static Water Level (ft): 30
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 48
Overburden/Bedrock: Bedrock
Water Type: UNKNOWN
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 NEPEAN TOWNSHIP	1530156	015		OF	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 8/6/1998
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 140
Pump Rate (gpm): 40
Static Water Level (ft): 18
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 29
Overburden/Bedrock: Bedrock
Water Type: UNKNOWN
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 15 OTTAWA CITY	1530391	015			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 9/10/1998
Primary Water Use:
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: ABANDONED-QUALITY
Construction Method: NOT KNOWN
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 9 NEPEAN TOWNSHIP	1530478	009			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 11/18/1998
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 190
Pump Rate (gpm): 4
Static Water Level (ft): 36
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: AIR PRECUSSION
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft): 49
Overburden/Bedrock: Bedrock
Water Type: UNKNOWN
Casing Material: OPEN HOLE

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 con 2 NEPEAN TOWNSHIP	1531208	012	02	CON	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 6/8/2000
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft): 130
Pump Rate (gpm): 10
Static Water Level (ft): 20
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: Unknown type above a bedrock layer
Water Type: UNKNOWN
Casing Material: OPEN HOLE

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 con 2 NEPEAN TOWNSHIP	1531209	012	02	CON	OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 6/8/2000
Primary Water Use: DOMESTIC
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm): 10
Static Water Level (ft): 23
Flow Rate (gpm):
Clear/Cloudy: CLOUDY
Specific Capacity:
Final Well Status: WATER SUPPLY
Construction Method: ROTARY (AIR)
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 OTTAWA CITY (GLOUCESTER)	1532707	011			OTTAWA-CARLETON	OTTAWA CITY (GLOUCESTER)

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 3/1/2002
Primary Water Use:
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: ABANDONED-QUALITY
Construction Method: ROTARY (AIR)
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 11 NEPEAN TOWNSHIP	1534269	011			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83:
Northing Nad83:
Zone: 18
Utm Reliability: unknown utm
Construction Date: 9/26/2003
Primary Water Use: NOT USED
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status: NOT A WELL
Construction Method: OTHER METHOD
Flowing (y/n): No
Elevation (ft):
Elevation Reliability: U
Depth to Bedrock (ft):
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 12 OTTAWA CITY	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 (ft):
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method: OTHER METHOD
Flowing (y/n): No
Elevation (ft):
Elevation Reliability:
Depth to Bedrock (ft):
Overburden/Bedrock: No formation data
Water Type:
Casing Material:

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 OTTAWA CITY	1535825	010			OTTAWA-CARLETON	OTTAWA CITY

Easting Nad83:
Northing Nad83:
Zone:
Utm Reliability:
Construction Date: 9/22/2005
Primary Water Use:
Secondary Water Use:
Well Depth (ft): 253
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method: OTHER METHOD
Flowing (y/n): No
Elevation (ft):
Elevation Reliability:
Depth to Bedrock (ft):
Overburden/Bedrock: all layers are unknown type
Water Type:
Casing Material:

Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
n/a		lot 10 NEPEAN TOWNSHIP	7112938	010			OTTAWA-CARLETON	NEPEAN TOWNSHIP

Easting Nad83: 0
Northing Nad83: 0
Zone: 18
Utm Reliability: margin of error : 10 - 30 m
Construction Date: 9/5/2008
Primary Water Use:
Secondary Water Use:
Well Depth (ft):
Pump Rate (gpm):
Static Water Level (ft):
Flow Rate (gpm):
Clear/Cloudy:
Specific Capacity:
Final Well Status:
Construction Method:
Flowing (y/n):
Elevation (ft):
Elevation Reliability:
Depth to Bedrock (ft):
Overburden/Bedrock:
Water Type:
Casing 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 Mar 2008** **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 databases provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

Abandoned Mines Information System **1800- 2005** **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.

Certificates of Approval **1985-Sept 2002** **CA**

This database contains the following types of approvals: Certificates of Approval (Air) issued under Section 9 of the Ontario EPA; Certificates of Approval (Industrial Wastewater) issued under Section 53 of the Ontario Water Resources Act ("OWRA"); and Certificates of Approval (Municipal/Provincial Sewage and Waterworks) issued under Sections 52 and 53 of the OWRA. For more current Certificate of Approval information please see the EBR database, which will include information such as 'Approval for discharge into the natural environment other than water (i.e. Air) (EPA s.9)', and Approval for sewage works (OWRA s.53(1).

Commercial Fuel Oil Tanks **1948-Jan 2009** **CFOT**

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with 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.

Coal Gasification Plants **1987, 1988*** **COAL**

This inventory of all known and historical coal gasification plants was collected by the Ministry of Environment. 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, landuse, soil condition, site operators/occupants, site description, and potential environmental impacts. This information is effective to 1988, but the program has since been discontinued.

Compliance and Convictions **1989-2008** **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.

Drill Holes **1886-2005** **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 Registry **1994-2008** **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, licence, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes things like; Approval for discharge into the natural environment other than water (i.e. Air), Permit to Take Water (PTTW), Certificate of Property Use (CPU), Approval for a waste disposal site, Order for preventative measures.(EPA s. 18), Order for conformity with Act for waste disposal sites.(EPA s. 44), Order for remedial work.(EPA s. 17) and many more.

Fuel Storage Tanks **Current to August 2007** **FST**

The 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-Aug 2008** **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. 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.

Mineral Occurrences **1846-Sept 2008** **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), 1994-2007** **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-Jan 2009** **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. Information available for all wells in the ERIS database include well owner/operator, location, permit start date, well cap date, licence number, status, depth and the primary target (rock unit) of the well being drilled.

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.

Pesticide Register **1988-Nov 2008** **PES**

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

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.

Ontario Regulation 347 Waste Receivers Summary **1986-2005** **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. This information is a summary of all years from 1986 including the most currently available data.

Record of Site Condition **1997-Sept 2001, Oct 2004-2008** **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. Information available includes Registration Number, Filing Owner, Property Address, Filing Date and Municipality.

Ontario Spills **1988-2007** **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 **1990-2006** **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).

Waste Disposal Sites - MOE CA Inventory **1970-Sept 2002** **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. For more current information for Waste Disposal Sites please see the EBR database, which will include information such as 'Approval for a waste disposal site (EPA s.27)' and 'Approval for use of a former waste disposal site (EPA s.46)'.

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 **1955-2008** **WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. Geographic coordinates are reliable according to the given percentage. Wells that are identified with lot and concession only are now also included in the database and is no longer provided as a separate report.

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-Jan 2002** **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-Oct 2008** **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-Oct 2007** **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-June 2004 **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 1993-2007 **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 of 178 specified 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-Jan 2008 **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-Jan 2008 **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 1999-2008 **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 1998-2006 **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 2001-2008 **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 **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-Jan 2008 **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-Jun 2008 **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.*

APPENDIX C

Site Photographs

Photo No. 1

Northwest portion of the site located south of Corkstown Road and north of Highway 417. Photo taken facing southeast.

Photo No. 2

View of the southwest portion of the site with Highway 417 to the south. Photo taken facing southeast.

Photo No. 3

View of the northeast portion of the site, the trail (recreational trail) and the soil stockpile. Photo taken facing east.

Photo No. 4

View of Still Water Creek, running through the northeast portion of the property. Photo taken facing north.

ecoplans Limited	Phase I Environmental Site Assessment WEST TRANSITWAY EXTENSION BAYSHORE DRIVE TO MOODIE DRIVE OTTAWA, ONTARIO **SITE PHOTOGRAPHS**	DATE: February 2010 PHOTO TAKEN: March 2009 PROJECT: 550305	APPENDIX B-1

Photo No. 5

View of Highway 417 to the south of the northeast portion of the site. Photo taken facing southeast.

Photo No. 6

View of the water treatment facility located directly north of the site. The facility is equipped with a chimney stack seen in the upper central portion of the picture and had 3 storage drums. Photo taken facing west.

Photo No. 7

View of the intersection at Holly Acres Road and the bus terminal entrance. Photo taken facing southeast.

Photo No. 8

View of the current bus ramp leading to Highway 417 from Holly Acres Drive.

ecoplans Limited	Phase I Environmental Site Assessment WEST TRANSITWAY EXTENSION BAYSHORE DRIVE TO MOODIE DRIVE OTTAWA, ONTARIO **SITE PHOTOGRAPHS**	DATE: February 2010 PHOTO TAKEN: March 2009 PROJECT: 550305	APPENDIX B-2

Photo No. 9

View of the intersection of Moodie Drive and Corkstown Road. Photo taken facing southwest.

Photo No. 10

View of the adjacent property located at 185 Corkstown Road (Northern Telecom). Site was equipped with a chimney stack. Photo taken facing north (adjacent site is beyond the soccer field).

Photo No. 11

View of the berm located in the northeast portion of the site. It is assumed that this was the location of the CP rail crossing that has since been decommissioned. Photo taken facing northeast.