



**August 2013**

## **HISTORIC WASTE SITE INVESTIGATION - FINAL REPORT**

# **Kitchener Park Landfill (Site X4110), Orillia, Ontario**

**Submitted to:**

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**Report Number:** 11-1170-0079

**Distribution:**

3 Copies - The City of Orillia  
1 Copy - Golder Associates Ltd.





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### 1.0 INTRODUCTION

Golder Associates Ltd. (Golder) was retained by the City of Orillia (the City) to complete assessments of a number of historical waste disposal sites identified by the Ministry of the Environment (MOE) within the limits of the City of Orillia. The primary objective of the assessments was to confirm and delineate waste disposal sites identified within the City's Official Plan and to determine if and by how much, the 500 metre "Waste Disposal Site Assessment Areas" for the sites could be reduced (see Figure 1), or if some of these sites could be delisted by the MOE. Authorization to proceed with this investigation was received from the City on December 12, 2011.

The MOE Waste Disposal Inventory identified six closed waste disposal sites within the City. These sites are contained within a "Waste Disposal Inventory" initially prepared for the MOE by York University in 1979, and updated by the MOE as recently as 1991. There is generally little information provided on many of these sites included in the inventory, and a copy of the original 1979 York University report, which provided a brief description of the site indicating why it was identified, was not available from the MOE. These waste disposal sites were reported to have been operated from approximately 1940 to 1971; a seventh site, the active Kitchener Street Waste Diversion Site (KWDS), has been active since 1967. The Snow Dump fill area located at 40 Kitchener Street was included in the D-4 Assessment Study in addition to the seven sites identified by the MOE Waste Disposal Inventory. The exact limits of waste disposed at the six closed sites are not known. It is further noted that residential, commercial, and industrial development has encroached on the areas formerly used as waste fill sites and as these waste sites were largely "unorganized" there are no records of types or methods of waste placement.

The impact of waste sites is a factor of the type and age of material deposited, the depth of waste, the cover material and the local hydrogeology and (if present) surface water body characteristics. As a result, investigations of areas where waste is known to have been deposited must assess these factors in order to determine the potential for impact. Older waste fill areas containing little putrescible material and pre-dating the use of industrial organics may be relatively innocuous, whereas those containing large amounts of organic material or liquid waste can continue to generate landfill gas or seepage although more than twenty-five years has passed since closure of these sites.

The identified sites are as follows:

- **Industrial Street:** Reported to be located in the area surrounded by Elgin Street to the north, Front Street to the west, The City's Lightfoot Trail to the east and Industrial Street to the south and located within 1, 15 and 25 Industrial Street. The Site, which is owned by private individuals, was closed in 1958 and is referred to in the MOE Waste Site Inventory as Site No. X 4108. It is considered that this Site was identified on the basis of wood waste disposal on the property;
- **Cochrane and West Street:** Reported to be located on the east side of West Street South, between Queen Street and Cochrane Street. Described by the City as being located within 174 West Street South, 250 West Street South, 45 Cochrane Street, and 55 Queen Street East. The Site, which is owned by private individuals, was closed in 1945 and is referred to in the MOE Waste Site Inventory as Site No. X 4109;
- **Kitchener Park Landfill (KPL):** Located on the south side of Kitchener Street extending to Lake Simcoe. Described by the City as located at 25 Kitchener Street. The Site, which is owned by the City, was closed in 1967 and is referred to in the MOE Waste Site Inventory as Site No. X 4110;



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- West Street near Queen Street: Reported to be located in the area west of West Street South, south of Queen Street and west of Norweld Drive and referred to as the MURF Property relating to the former proposed Multi Use Recreational Facility planned for development. Described by the City as located within 255 and 325 West Street South. The 255 West Street South portion of the Site is owned by the City; 325 West Street South is owned by private individuals. The Site was closed in the 1980s and is referred to in the MOE Waste Site Inventory as Site No. X 4129. A Certificate of Property Use has been issued for this property;
- Industrial and Moffat: Reported to be located at the intersection of Atherley Road and Millard Street, but described in Appendix "C" of the RFP as Industrial and Moffat Street. The property, which is owned by private individuals was closed 1971 and is referred to in the MOE Waste Site Inventory as Site No. X 4130; and,
- Kitchener Street Waste Diversion Site: The Site is located in the area south of Highway 12, east of the former CN Railway, north of Lake Simcoe, and west of Kitchener Street. The Site address is 100 Kitchener Street and is owned by the City. The landfill has been active since 1967 and is operated under MOE Certificate of Approval No. A250601;
- Snow Dump Fill Area: This Site is located on the north side of Kitchener Street. Described by the City as located at 40 Kitchener Street. The Site, which is owned by the City, is currently a wastewater treatment centre (WWTC) and snow dump. The scope involved only the snow dump fill area on the property and excluded any work near the WWTC. The presence of waste has not been confirmed; however fill was reportedly placed at this location.

Based on an aerial photograph review, discussions with City staff and people familiar with the sites, it was determined that a seventh site, Site X4130 was erroneously included in the MOE's Waste Disposal Inventory. The MOE has agreed verbally that this Site may be delisted following their review of signed affidavits confirming this is not a waste disposal site. This property is not included within these investigations.

This report pertains to the KPL Site (i.e. X4110), as described above (see Figure 2). Separate reports were prepared for the remaining Sites.



## **2.0 SCOPE OF WORK**

### **2.1 Historical Review**

An initial assessment carried out by Golder was in general accordance with Canadian Standards Association (CSA) Z768-01 requirements for Phase I Environmental Site Assessments (ESA) and included the following scope of work:

- a review of reasonably accessible historical and regulatory records relating to the Site and adjacent properties;
- interviews with relevant persons;
- visual Site reconnaissance; and,
- the preparation of a Phase I ESA report.

The Phase I ESA was completed using available information to assist in evaluating whether issues of potential environmental concern may be present at the Site. It should be noted that a Phase I ESA cannot confirm the presence or absence of contaminants at the Site. This can only be confirmed through a program of intrusive testing including sampling and analysis of soil and groundwater. This assessment included a cursory overview of neighbouring land uses from the Site or from publically accessible areas and does not constitute an assessment of the adjacent facilities.

### **2.2 Subsurface Investigation**

Subsurface investigations were completed by Golder as part of the reports “*Hydrogeological Assessment of the Former Kitchener Park Landfill, Orillia, ON*”, dated March 2011, and “*2011 Annual Monitoring Report Kitchener Park Landfill, Orillia, ON*”, dated April 2012.

### **2.3 Impact Assessment Using D-4 Guidelines**

The available information was reviewed in the context of D-4 Guidelines to determine the extent of impact of the waste Site. Factors to be considered when land use is proposed on or within 500 metres a non-operating site include: ground and surface water contamination by leachate, surface runoff, ground settlement, visual impact, soil contamination and hazardous waste, and in particular, landfill-generated gases. The focus of the current study completed by Golder includes groundwater, leachate and landfill gas (i.e., methane) migration from the Site to adjacent properties. Visual impacts are commented on only for sites where an elevated waste mound is present. Comments are provided on general direction of runoff from the Site, where possible. The scope of the current study completed by Golder does not include assessment of ground settlement or contaminated soils and impacts on private sites, other than to comment on available historical information.



### 3.0 HISTORICAL REVIEW FINDINGS

#### 3.1 Information Review

In order to research the historical conditions at the Site, a review of information from the following sources was conducted:

- The most recent annual monitoring reports for the KPL and assessment reports noted above;
- Aerial photographs were obtained from the National Air Photo Library and reviewed by Golder for the years 1945, 1965, 1967, 1976, 1984 and 2002;
- City Directory review completed by LGI Copy Services Canada on behalf of Golder;
- Fire Insurance Plans and other Plans / Reports obtained by Risk Management Services (RMS) formerly CGI Information Systems and Management Consultants;
- Technical Standards and Safety Authority (TSSA), Fuels Safety Division;
- A Standard EcoLog Environmental Risk Information Services Ltd. (EcoLog ERIS) Report issued on March 30, 2012 for the Site and surrounding properties within 250 m of the Site;
- Various MOE databases were searched by and reported in the EcoLog ERIS Database Report, including:
  - “Waste Disposal Site Inventory” (June 1991);
  - “Waste Disposal Sites” (1970 – Mar 2012);
  - “Ontario Regulation 347 Waste Generators Summary” (1986 to Oct 2012);
  - Ontario Spills” (1988 – 2011);
  - “List of TSSA Expired Facilities” (current to February 2012);
  - “Compliance and Convictions” (1989 – Feb 2012);
  - “TSSA Fuel Storage Tank” (current to June 2011);
  - “Ontario Inventory of PCB Storage Sites” (1987 – Oct 2004);
  - “Private and Retail Fuel Storage Tanks” (1989 – 1996); and,
  - “Ontario Regulation 347 Waste Receivers Summary” (1986 – 2008);
- The MOE database Publications “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario” (November 1988), and “Coal Gasification Plant Waste Sites in Ontario” (April 1987) were reviewed in-house for the Site by Golder on February 28, 2012. On-line databases for Hazardous Waste Information Network (HWIN), the Environmental Bill of Rights (EBR; on-line registry of approval applications, orders and decisions), and the Brownfields Environmental Site Registry (registry of sites for which a Record of Site Condition has been filed with the MOE under Ontario Regulation 153/04) was reviewed for the Site by Golder on June 5, 2012;
- Previous Environmental Reports;



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- City of Orillia – Public Works Department
- Published geological maps and reports;
- Interviews with persons familiar with the Site (see Section 3.2); and,
- Visual Site reconnaissance (see Section 3.2).

### 3.1.1 Aerial Photograph Review

Aerial photographs of the Site and vicinity for the years 1945, 1965, 1967, 1976, 1984 and 2002 were reviewed. Copies of the aerial photographs are provided in Appendix A (Figures A-1 through A-7).

Changes in the presence or absence of structures on the Site and surrounding areas were noted. Based on the review of aerial photographs, the following was noted:

Table 3.1: Aerial Photograph Review

| Year | Site                                                                                                                                             | Surrounding Area                                                                                                                                                                                                                                                                          |
|------|--------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1945 | The Site is undeveloped, and appears to consist of vacant land with trees. Two ponds are present on the northwest portion of the Site.           | <b>North:</b> Kitchener Street, followed by primarily vacant land. One building is present across Kitchener Street, across from the northwest portion of the Site.<br><b>East:</b> West Street South, followed by vacant land.<br><b>South:</b> Lake Simcoe.<br><b>West:</b> Vacant land. |
| 1965 | Most of the trees have been cut down throughout the Site, and the land appears to be disturbed. The two ponds are no longer present on the Site. | No significant changes as per the 1945 aerial photograph.                                                                                                                                                                                                                                 |
| 1967 | No significant changes, as per the 1965 aerial photograph.                                                                                       | Buildings have been constructed to the east, north and northwest of the Site. The area to the north of the Site appears disturbed.                                                                                                                                                        |
| 1976 | No significant changes, as per the 1967 aerial photograph.                                                                                       | <b>North:</b> Additional buildings have been constructed in the disturbed area.<br><b>East:</b> A residential subdivision has been constructed to the east of the Site.<br><b>South:</b> Lake Simcoe.<br><b>West:</b> The area to the west of the Site no longer appears disturbed.       |
| 1984 | The Site appears to be developed as a park, with baseball diamonds and tennis courts.                                                            | Properties to the north of the Site appear to consist of industrial operations.                                                                                                                                                                                                           |
| 2002 | No significant changes, as per the 1984 aerial photograph.                                                                                       | No significant changes as per the 1984 aerial photograph.                                                                                                                                                                                                                                 |

Based on the review of aerial photographs and the anticipated southerly direction of groundwater flow at the Site, the industrial operation present to the north of the Site represents issues of potential concern in relation to the Site.



### 3.1.2 Risk Management Services

RMS was contacted by Golder and requested to obtain copies of Fire Insurance Plans (FIP) related to the Site, as well as Site Specific Plans and Property Underwriters' Reports (PUR) and Property Underwriters' Plans (PUP) for the Site. A response was received from RMS dated April 3, 2012, indicating that no FIP, PUP or PUR were available for review for the Site. A copy of the RMS report is provided in Appendix B.

### 3.1.3 City Directory Review

A review of available historical City directories for the years 1961, 1966, 1976, 1982, 1986, 1996/1997 and 1998/1999 was completed by LGI on behalf of Golder for the Site, as well as for surrounding properties along Kitchener Street, Memorial Avenue, Olive Crescent, Shannon Street, Highway 12, United Drive, and West Street South. Based on Golder's review of the information provided by LGI, the following was considered noteworthy:

#### On-Site

- The Site address (25 Kitchener Street) was not listed in any of the reviewed City directories.

#### Off-Site

Based on the review of surrounding properties, the following was of note:

#### North:

- 24 Kitchener Street, located approximately 15 m north of the Site, was listed in the 1976 and 1982 city directories as Simcoe Truck Centre, and in the 1986, 1996/1997 and 1998/1999 City directories this address was listed as Roe Gravel;
- 32 Kitchener Street, located approximately 15 m north of the Site, was listed in the 1986 City directories as Huronia Fuels. In the 1996/1997 and 1998/1999 City directories this address was listed as SA Machine & Tool;
- 30 Kitchener Street, located approximately 15 m north of the Site, was listed in the 1976 City directories as Maber Manufacturing, in the 1982 City directories as Littlejohn Athletic Products, and in the 1996/1997 and 1998/1999 City directories as Ontario Recyclers;
- The property located at 40 Kitchener Street, approximately 15 m north of the Site, was listed as Waste management Advisory Council in the 1996/1997 and 1998/1999 City directories; and,
- The property located at 609 West Street south, approximately 50 m north of the Site, was listed as Nichols Shell Products in the 1966 City directories, Howard Fuels in the 1976 and 1982 City directories, and Mayes-Martin Ltd. in the 1986, 1996/1997 and 1998/1999 City directories.

Based on the known groundwater flow at the Site, the properties identified to the north of the Site represent issues of potential environmental concern to the Site. A copy of the City directory search is provided in Appendix C.

### 3.1.4 Technical Standards and Safety Authority, Fuel Safety Division Records

The TSSA maintains records related to registered underground storage tanks (UST) for petroleum-related products. The TSSA was contacted to establish the status of the Site and to identify outstanding instructions,



incident reports, fuel oil spills or contamination records. On March 23, 2012, the TSSA reported via e-mail that there were no records on file pertaining to the Site. A copy of the TSSA response is provided in Appendix C.

### 3.1.5 Lake Simcoe Conservation Authority

The Lake Simcoe Region Conservation Authority (LSRCA) mapping indicates that the Site is under LSRCA jurisdiction, but is not within a regulated area. A copy of the LSRCA mapping is provided in Appendix C.

### 3.1.6 EcoLog ERIS Report

An EcoLog ERIS report is a site-specific summary of historical environmental information for any property in Canada. The report researches, tabulates and identifies key federal, provincial as well as private sector databases to identify environmental elements within a requested radius of the Site. This is used to aid in the identification of possible environmental concerns or risks for commercial, industrial and residential sites.

Golder retained EcoLog ERIS to complete a Standard search for the Site and surrounding properties within 250 m from the Site. Based on Golder's review of the information provided, the following information pertaining to the Site was noted:

#### On-Site

- The Site was listed under two records in Anderson's Waste Disposal Sites database as the Kitchener Street Dump, reportedly known to be active in the 1960s, under reference number MOE 4110. This waste disposal Site was reportedly present along Kitchener Street, in a wooded swampy area 250 m south of Highway 12, 100 m north of a marked dump area, 225 m east of the CNR railway tracks, and 650 m west of the end of Kitchener Street;

#### Off-Site

##### North

- The property located at 18 Kitchener Street, approximately 15 m north of the Site, was listed as FM Recycling in the Automobile Wrecking & Supplies database;
- The property located at 30 Kitchener Street, approximately 15 m north of the Site, was listed as Capital Environmental Resources Inc. in the Environmental Registry database with one record for approval for a waste disposal site under EBR Registry number IA9E0503 for the year 1999. Further, this property was listed in the Waste Disposal Sites – MOE CA Inventory database under certificate number A74013 as a processing facility;
- The property located at 24 Kitchener Street, approximately 15 m north of the Site, was listed as Doug Roe Enterprises Limited in the Environmental Registry for approval for a waste disposal site under EBR number IA9E0313 for the year 1999. This property was also listed in the Waste Disposal Sites – MOE CA Inventory database under certificate number A252604;
- The record of the property located at 609 West Street South, approximately 50 m north of the Site included Mayes-Martin Limited in the List of TSSA Expired Facilities database, a bulk plant facility (small) under instance number 9599666. This property was also listed in the Ontario Regulation 347 Waste Generators Summary under generator number ON0005135 as a generator of light fuels (code 221) for the years





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1986 - 1990, and 1992 - 1998. This property was listed in the Private and Retail Fuel Storage Tanks database and included one record of a 240,600 L UST under license number 0030085001; and,

- The property located at 32 Kitchener Street, approximately 15 m north of the Site, was listed as Texaco Canada Inc. in the Ontario Regulation 347 Waste Generators Summary database under generator number ON0005228 as a generator of light fuels (code 221) for the years 1986-1990, and 1992-1998.
- The property located at 40 Kitchener Street, approximately 15 m north of the Site, was listed as The Corporation of the City of Orillia in the Environmental Registry for approval for a waste disposal site under EBR number 011-3199 for the year 2011. This address was also listed in the TSSA Historic Incidents database; one record of a vapour release of gaseous fuel occurred in 2008, under external file number FS INC 0802-00635. This incident was described as completed and no action required. This property was listed as a water pollution control plant in the Ontario Regulation 347 Waste Receivers Summary database under receiver number W120569 and 12 records were listed in the Ontario Spills database covering various reported releases including un-chlorinated raw sewage and sludge between the years 2008 to 2011.

### East

- The property located at 580 West Street South, approximately 15 m east of the Site, was listed in the TSSA Historic Incidents database with one record of an incident of a fuel oil leak under external file number FS INC 0804-01447 on April 5, 2008. The incident reportedly occurred in a multi-unit residential trailer park. It was reported that oil had left the trailer lot, but was still contained within the boundaries of the park; and,
- Two furnace oil spills were listed for the property located at 580 West Street South, approximately 15 m east of the Site. The first spill reportedly occurred on July 27, 1993, under reference number 88993. Although the quantity of oil spilled was not reported, soil contamination was reported as confirmed. The second spill at this address (reference number 7751-7DEQUH) reportedly occurred on April 5, 2008, and consisted of approximately 450 L of furnace oil to the ground. Soil contamination was reportedly confirmed for this spill.

### West

- Ten spills were reported for a property located approximately 50 m west of the Site (Orillia PUC) was listed in the Ontario Spills database. One spill was reported to have occurred on July 31, 1996 under reference number 38538. This spill reportedly consisted of 90 L of diesel fuel to the ground from a storage tank hose rupture. Environmental impact was reportedly confirmed. Other spills present at this property included sewage and wastewater to land and water from 1989-2002;
- The property located at 100 Kitchener Street, approximately 100 m west of the Site, was listed as the Orillia Waste Diversion Site in the Ontario Regulation 347 Waste Generators Summary under generator number ON0906901 as a generator of various wastes including halogenated solvents (code 241), heavy fuels (code 222) and halogenated pesticides (code 242) for the years 1990, 1992-2008, and as of 2010. Further, this property was listed in the Waste Disposal Sites – MOE CA Inventory database under certificate numbers A252603, A252601 and A252606 as a processing facility; and,





Based on the anticipated southerly direction of groundwater flow, impacts associated with chemical and fuel storage and any associated spills are possible and elevated concentrations of parameters at the Site may not only be attributable to buried waste. A copy of the EcoLog ERIS report is provided in Appendix D.

### 3.1.7 MOE Databases

The MOE Publications “Ontario Inventory of PCB Storage Sites” (1987 – Oct 2004), “Waste Disposal Site Inventory” (June 1991), “Ontario Regulation 347 Waste Generators Summary” (1986 to Oct 2012), “Ontario Regulation 347 Waste Receivers Summary” (1986 – 2008) (updated to reflect standard select report), were searched by and reported in the EcoLog ERIS Database Report. The MOE database Publications “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario” (November 1988), and “Coal Gasification Plant Waste Sites in Ontario” (April 1987) were reviewed in-house for the Site by Golder on February 28, 2012. The on-line databases for HWIN, EBR Environmental Registry (EBR), and Brownfields Environmental Site Registry were reviewed for the Site by Golder on April 18, 2012. These sources indicated the following:

- The Site is not listed as a PCB Storage site, and there are no PCB storage sites listed within a 250 m radius of the Site;
- The Site was listed under two records in Anderson’s Waste Disposal Sites database as the Kitchener Street Dump, reportedly known to be active in the 1960s, under reference number MOE 4110. This waste disposal Site was reportedly present along Kitchener Street, in a wooded swampy area 250 m south of Highway 12, 100 m north of a marked dump area, 225 m east of the CNR railway tracks, and 650 m west of the end of Kitchener Street. Further, numerous waste disposal sites were found within a 250 m radius of the Site. See Section 3.1.7 for further details;
- The Site is not listed as a site using or producing coal tar and related tars, and there are no sites using or producing coal tar and related tars listed within 250 m of the Site;
- The Site is not listed as a coal gasification plant waste site, and there are no sites listed as a coal gasification waste plant listed within 250 m of the Site;
- The Site was not listed in the MOE Waste Generator databases reviewed;
- The Site was not listed in the HWIN database;
- The Site was not listed in the EBR Environmental Registry; and,
- The Site was not listed in the Brownfields Environmental Site Registry.

### 3.1.8 Land Title Records

A land title search for the Site was conducted by Ecolog ERIS on behalf of Golder. Based on Golder’s review of the land title search, the Site consisted of one Title Chain. Chain 1 was reportedly owned by private individuals from 1841 to 1909, when it was transferred to The Corporation of the City of Orillia. A copy of the land title information is provided in Appendix E.

### 3.1.9 Previous Environmental Reports

The following previous environmental reports were reviewed in conjunction with this investigation:



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- “Hydrogeological Assessment of the Former Kitchener Park Landfill, Orillia, ON”, dated March 2011, completed by Golder Associates Ltd. for the City of Orillia (“2010 Hydrogeological Assessment”); and,
- “2011 Annual Water Monitoring Report Kitchener Park Landfill, Orillia, ON”, dated April 2012, completed by Golder Associates Ltd. for the City of Orillia (“2011 Annual Water Monitoring Report”).

Based on Golder’s review of the aforementioned report, the following relevant information is provided:

### 2010 Hydrogeological Assessment

A report on the hydrogeological conditions of the KPL was completed in 2010 by Golder. The following is noted:

- The groundwater flow direction in the shallow aquifer is largely radial with a strong southward component toward Lake Simcoe. The groundwater flow direction in the underlying sand aquifer is to the south towards Lake Simcoe.
- Groundwater impacts related to landfill leachate are observed at both shallow (unconfined aquifer) and deep (sand aquifer). The water quality at wells within the waste exceeds PWQO for iron and phosphorous and the estimated equivalent for unionized ammonia. Elevated chloride and sodium, considered to reflect road salt impacts, are observed at a number of monitoring locations outside the central landfill area.
- No discernible water quality impacts were observed at the surface water sampling stations in Lake Simcoe. This is considered to reflect, in part, the anticipated attenuation of leachate in the aquifers between the landfill and the discharge to the lake, and the effects of dilution within Lake Simcoe.
- Landfill gas concentrations above the lower explosive limit (LEL) of 5% methane (v/v) were present in the waste, observed at OW3 and OW6-II. It is recommended that two new gas probes (GP-KP7 and GP-KP8) be installed to intersect the water table along the northern Site boundary.

### 2011 Annual Water Monitoring Report

Based on a review of the Annual Monitoring Report, the following is noted:

- Conditions at the Site in 2011 were, overall, similar to those identified in 2010.
- Concentrations of methane exceeding the LEL of 5% (v/v) are identified at the northern landfill boundary, at GP-KP7 and GP-KP8. In addition, there were high methane concentrations observed at OW3 and OW6-II. The elevated methane concentrations pose a potential safety issue for off-Site buildings where it could accumulate and result in an explosion. Golder recommended the City should assess the extent of off-Site LFG migration to the north of the landfill and inform the local property owners regarding the potential for the presence of LFG.
- To further assess potential off-Site migration of LFG to the north, as part of the D-4 study requirements, the City retained Golder to monitor the installation of two new LFG monitors in January 2013 (GP-KP9 and GP-KP10), located off-site north of Kitchener Street. During initial monitoring events between January and March 2013, concentrations of methane were detected at each of these monitoring locations on each date monitored, at concentrations (maximum of 3.4% at GP-KP10) less than the LEL.



### 3.2 Site Reconnaissance

On September 6, 2012, a visual walk-over reconnaissance of the Site was conducted by Golder. The property located at 25 Kitchener Street was assessed from publically owned lands. Access to the snack bar, kitchen and maintenance rooms was not provided by the City at the time of the Site reconnaissance. The weather was sunny and 20°C. A photographic record of the reconnaissance is provided in Appendix F. Results of the reconnaissance are discussed below.

#### 3.2.1 Site Buildings and Related Infrastructure

The approximate 26.6 acre Site is currently being used as a large sports complex, children's playground and off leash Dog Park. At the time of the Site visit there were two buildings located at the Site. The southernmost building is currently being used as a public washroom and has a footprint of approximately 80 m<sup>2</sup>. It is constructed with concrete block and has an approximate age of 30 years. The building is reported to be serviced by municipal water and sewer leading off Kitchener Street. Power is provided by Orillia Power via overhead lines. The second building located in the central portion of the Site was constructed in 2011 and has a footprint of approximately 200 m<sup>2</sup>. It is constructed with concrete block and metal with concrete exterior. The building contains a snack bar, a kitchen, maintenance rooms and public washroom. At the time of the Site reconnaissance, access was not provided to the snack bar, kitchen, or maintenance room. The building is serviced by municipal water and sewer from Kitchener Street. Power is provided to the building by Orillia Power via underground lines.

The remainder of the Site development consists of sports fields and a 2.4 acre leash free dog park. Several signs were located in the dog park indicating that the Site was a former landfill. Two full sized football / soccer field are located on the western portion of the Site; two baseball diamonds in the central portion of the Site; four mini soccer fields located on the northeast and southeast corners of the Site and four tennis courts located directly east of the main building. Playground equipment is located south of the main building, whereas a horseshoe pit is located adjacent to the southern washroom facility. A basketball court is also located just north of the southern washroom facility.

A large gravel parking lot is located south of Kitchener Street; two driveways lead into the Site from Kitchener Street. An additional gravel parking lot is located on the eastern boundary of the Site adjacent to West Street South. Ben's Ditch is located west of the Site and Lake Simcoe (Shingle Bay) is located to the south.

A number of groundwater monitoring wells and gas probes are present along the property boundaries. These wells were recently (since 2009) installed as part of the Kitchener Street Park Landfill assessment discussed elsewhere in this report.

#### 3.2.2 Chemical Storage and Waste Management Activities

No evidence of chemical storage spills or releases were observed at the Site during the site reconnaissance. Waste Management activities on the Site are limited to waste generated during normal park activities (i.e., use of garbage cans/bins). Minor pieces of waste and debris were noted in the dog park during the Site visit.

#### 3.2.3 Aboveground and Underground Storage Tanks

No aboveground storage tanks (AST) were observed at the Site.



### 3.3 Adjacent Properties

Golder observed the surrounding properties from publicly accessible areas and from the Site. The properties located adjacent to the Site at the time of the Site visit included the following:

**North:** K. Knight Contracting and Moose Lodge (6 Kitchener Street), Sunshine Racquet and Fitness (10 Kitchener Street), Elite Printing / Elite Fabricating and Welding (14 Kitchener Street), Mid Ontario Disposal (24 Kitchener Street), FMR Scrap Buyers (18 Kitchener Street), Orillia Metal Fabrication (26 Kitchener Street), Schachter P & Sons Ltd. (30 Kitchener Street), Astek Composites Inc. (32 Kitchener Street);

**South:** Lake Simcoe;

**East:** West Street South followed by Residential single family homes and modular homes;

**West:** Ben's Ditch immediately to the west and the Kitchener Street Waste Diversion Site further west and the WWTC to the northwest;

The commercial / industrial properties north of 25 Kitchener Street, spills and fuel storage near the Site and likely road salting on Kitchener Street are issues of environmental concern, as they are upgradient of the Site.

### 3.4 Historical Information Review

Based on the information collected during this assessment, the following information was obtained:

- Historical records indicate the landfill was active between 1943 and 1967. The waste consisted of 60% domestic waste (including cinders, clinkers, house offal, broken crockery, old tins and metals, weeds, clothing, boots, straw, etc.), 15% commercial waste (likely including similar materials as in domestic waste, but sourced from commercial properties), 18% industrial waste (including, but not limited to, foundry sand, catch basin waste, metal waste, crating and associated materials, building materials and demolition waste, and brush and tree waste), and 7% other waste materials (includes tree brush and debris).
- A 30 m setback was reported to have been maintained between the waste placement area and the shorelines of Lake Simcoe and Ben's Ditch, and cover material was reported to consist of sandy loam and fill materials from various municipal projects. There was no reported indication of seepage from the landfilling area reaching either Lake Simcoe or Ben's Ditch (Golder, 2011).



## **4.0 FIELD INVESTIGATION METHODS – SUBSURFACE INVESTIGATION**

Subsurface investigations were completed by Golder as part of the reports “*Hydrogeological Assessment of the Former Kitchener Park Landfill, Orillia, ON*”, dated March 2011, and “*2011 Annual Monitoring Report Kitchener Park Landfill, Orillia, ON*”, dated April 2012.

The monitoring well locations used for the subsurface investigation are shown in Figure 3. The locations of MOE recorded wells within 250 m of the Site are provided on Figure 5.



## 5.0 PHYSICAL CHARACTERISTICS

### 5.1 Utilities and Water Supply

Several utilities run through the Site, consisting of municipal sewer and water service supply lines to the two on-Site buildings, as well as underground and overhead power. These utilities lead from Kitchener Street to the buildings. The southern, 80 m<sup>2</sup>, building is currently being used as a storage building for the City's Horseshoe Club. The building is serviced by municipal water and sewer. Power is provided by Orillia Power via overhead lines. The second building, 200 m<sup>2</sup>, is located in the central portion of the Site. The building contains a snack bar, a kitchen, maintenance rooms and public washroom. At the time of the Site reconnaissance access was not provided to the snack bar, kitchen or maintenance room. The building is serviced by municipal water and sewer. Power is provided by Orillia Power via underground lines.

### 5.2 Regional Geologic Setting

According to Barnett, Cowan, and Henry, Quaternary Geology of Ontario, Southern Sheet, Ontario Geological Survey Map 2556 scale 1:1,000,000 (1991), surficial geology in the area consists of Glaciolacustrine Deposits comprised of silt and clay, minor sand, and basin and quiet water deposits. The Ontario Geological Survey, Ministry of Northern Development and Mines, Map 2554, Bedrock Geology of Ontario, Southern Sheet (OGS, 1991), indicates that Middle Ordovician limestone, dolostone, shale, arkose, and sandstone underlies the area of the Site (see Figure 7).

Based on the Site reconnaissance and local topographic mapping ((*Surveys and Mapping Branch, Department of Energy, Mines and Resources, Bolton, 040 P/08, Scale 1:50,000, and published in 1985*), Lake Simcoe is located adjacent to the south end of the Site.

### 5.3 Site Specific Subsurface Conditions

Stratigraphy at the Site was determined previously Golder (2011). The overburden at the Site consists of an upper unconfined peat/sand aquifer underlain by a discontinuous lacustrine clay and silt confining layer, which is further underlain by a confined (sand) aquifer and a lower confining till layer. This lower aquifer is unconfined to the north of the Site, where the overlying confining layer is absent. The wells constructed to assess the Site conditions are illustrated on Figure 3.

Figure 4 illustrates a hydrostratigraphic cross-section across the Site at Kitchener Street. The upper aquifer is characterized by a peat unit found predominantly in the western part of the Site at monitoring well OW1, near OW6 in the centre of the Site and along the eastern boundary at OW5, a sand deposit found in the vicinity of Lake Simcoe (OW2, OW4) and silty sand at GP-KP4. Where present, the thickness of the peat ranges from approximately 0.75 m (OW5) to 2 m (OW1). The sand units also range in thickness from approximately 0.75 m to 2 m. The discontinuity in the peat unit distribution to the north (e.g., GP-KP2, GP-KP7 and GP-KP8) is likely due to removal prior to waste placement and subsequent construction activities. The upper aquifer and the hydraulically connected materials above the upper confining layer (i.e., waste and fill) pinch out to the northeast at GP-KP3.

Fill and waste overlie the peat unit in some areas or in some cases (i.e., at OW7, OW3, GP-KP7, GP-KP8 and GP-KP2) comprise the entire thickness above the underlying confining unit (or where absent, (e.g., OW7) the sand aquifer). The waste/cover fill ranges in thickness from approximately 1 m to 4 m. The thickness of the overburden, fill and waste materials comprising the upper aquifer is highly variable across the Site. The



interpreted thickness of the final cover, within the waste fill area, ranges from approximately 1 m (OW7) to 1.4 m (OW6).

Intersected waste materials largely consisted of wood, metal, plastic, glass, construction materials and newspaper throughout the Site. Newspaper fragments dating to 1959 were identified in the series of linear transects undertaken near the centre of the Site. No suspected hazardous materials, or materials inconsistent with historical records of accepted waste types, were identified.

The upper confining layer consists of moist, grey, silty clay to clayey silt and has a thickness ranging from a low of less than 1 m at OW2 to a high of approximately 3 m at the most easterly well, OW5. The upper confining layer pinches out towards the north, and is not observed at OW7, GP-KP7, GP-KP8, GP-KP2 or GP-KP3. It is possible that the confining layer material to the north was removed during landfilling and road construction activities.

The sand aquifer is comprised primarily of very fine to fine brown to grey sand, typically becoming finer with depth; however, coarser sand and gravel were observed at several locations (i.e., OW1, OW2 and OW7). The thickness of the sand aquifer ranges from approximately 2 m at OW5 to approximately 9 m at OW1 and OW2. The sand aquifer is not present in the northeast of the Site, and pinches out to the east, becoming siltier in this area (i.e., at OW4 and OW5).

The lower confining layer consists of a silty sand to sandy silt and gravel till, interpreted to extend to bedrock (Golder, 2005). The top of this unit rises to the northeast where the sand aquifer thins out and as a result, directly underlies the waste fill at GP-KP2 and GP-KP3.

In October 2011, the depth to water from surface ranges from approximately 0.4 m near the lakeshore at OW1, to about 3.8 m at OW7. The depth to water is 1.5 m (at OW6-II), where the central part of a mound is interpreted to be located. Hydraulic gradients within the sand aquifer are slightly upwards at OW1 (0.002 m/m) and OW2 (0.006 m/m). The hydraulic gradient observed at OW5 between the sand aquifer and the upper confining layer is slightly downward (-0.004 m/m). A downward gradient is also observed between the upper and lower sand aquifer at OW4 (-0.05m/m) and at OW6 between the waste and the sand aquifer (-0.22 m/m). The stronger downward gradient at OW6 may reflect the effect of the leachate mound.

The configuration of the shallow water table under the Site is shown on Figure 6. The surface is based upon interpolation of water levels at the shallowest screen at wells installed in peat, refuse or fill which were measured prior to water quality sampling by City personnel in October 2011.

Groundwater flow in the water table aquifer roughly reflects topography, wherein the mound is located in the central landfill area where ground elevations are highest, and declines toward the lake and the adjacent drainage swales. The shallow groundwater flow to the northeast is limited by the elevation of the till confining unit, which rises to the east. A low water level is noted at GP-KP3, which may be influenced by proximity to underground utilities. Given that this level is observed in fine grained till, it has been interpreted that this is a localized feature.

The depths to groundwater in the monitoring wells are summarized in Table 5.1 below. Groundwater flow direction within the underlying confined sand aquifer is to the south, towards Lake Simcoe (see Figure 6). The estimated horizontal hydraulic gradient from OW6 to Lake Simcoe is estimated to be 0.02 m/m.





## HISTORIC WASTE SITE INVESTIGATION - KITCHENER PARK LANDFILL (SITE X4110)

**Table 5.1: Summary of Monitoring Well Details**

| Monitoring Well  | Measuring Point Elevation (masl) | Ground Surface Elevation (masl) | Stick Up (m) | Static Water Level (masl) <sup>1</sup> | Top of Screen (masl)                | Base of Screen (masl) | Hydrostratigraphic Unit |
|------------------|----------------------------------|---------------------------------|--------------|----------------------------------------|-------------------------------------|-----------------------|-------------------------|
| OW1-I            | 220.36                           | 219.35                          | 1.01         | 218.96                                 | 212.03                              | 207.16                | Sand Aquifer            |
| OW1-II           | 220.22                           | 219.35                          | 0.87         | 218.97                                 | 214.78                              | 213.25                | Sand Aquifer            |
| OW1-III          | 220.17                           | 219.35                          | 0.82         | 218.90                                 | 218.25                              | 217.03                | Unconfined Aquifer      |
| OW2-I            | 220.84                           | 219.90                          | 0.94         | 219.04                                 | 212.58                              | 210.15                | Sand Aquifer (base)     |
| OW2-II           | 220.49                           | 219.90                          | 0.59         | 219.06                                 | 217.77                              | 213.19                | Sand Aquifer (upper)    |
| OW3              | 224.19                           | 223.33                          | 0.86         | 220.13                                 | 221.5                               | 219.06                | Waste                   |
| OW4-I            | 220.51                           | 219.64                          | 0.87         | 218.92                                 | 214.65                              | 212.62                | Sand Aquifer            |
| OW4-II           | 220.44                           | 219.64                          | 0.8          | 218.84                                 | 218.72                              | 217.5                 | Unconfined Aquifer      |
| OW5-I            | 221.36                           | 220.42                          | 0.94         | 218.89                                 | 215.09                              | 213.56                | Sand Aquifer            |
| OW5-II           | 221.27                           | 220.42                          | 0.85         | 218.84                                 | 217.68                              | 215.24                | Upper Confining Layer   |
| OW6-I            | 222.42                           | 221.41                          | 1.01         | 219.28                                 | 217.14                              | 214                   | Sand Aquifer            |
| OW6-II           | 222.42                           | 221.41                          | 1.01         | 220.01                                 | 219.89                              | 217.45                | Waste                   |
| OW7 <sup>2</sup> | 224.09                           | 223.2                           | 0.89         | 219.40 <sup>3</sup>                    | 218.95                              | 213.16                | Sand Aquifer            |
| GP-KP2           | 223.45                           | 222.59                          | 0.86         | 219.19 <sup>3</sup>                    | 220.46                              | 217.41                | Lower Confining Layer   |
| GP-KP3           | 222.11                           | 221.06                          | 1.05         | 218.44 <sup>3</sup>                    | 219.54                              | 216.49                | Lower Confining Layer   |
| GP-KP4           | 220.93                           | 219.63                          | 1.3          | 218.52 <sup>3</sup>                    | 218.85                              | 217.32                | Unconfined Aquifer      |
| GP-KP7           | 224.21                           | 223.18                          | 1.03         | <219.52 (dry) <sup>4</sup>             | 221.96                              | 219.52                | Waste                   |
| GP-KP8           | 223.89                           | 222.88                          | 1.01         | 220.32 <sup>4</sup>                    | 221.36                              | 218.31                | Waste                   |
| SM-1             |                                  |                                 |              |                                        |                                     |                       |                         |
| SW-12            | NA                               | NA                              | NA           | NA                                     | Surface Water Station - Lake Simcoe |                       |                         |
| SW-21            | NA                               | NA                              | NA           | NA                                     | Surface Water Station - Lake Simcoe |                       |                         |
| SW-22            | NA                               | NA                              | NA           | NA                                     | Surface Water Station - Lake Simcoe |                       |                         |

Notes:

masl: metres above sea level

NA: data not available.

1) Water level data collected by City of Orillia personnel on November 9, 2010.

2) Well originally referred to as GP-KP1.

3) Water level data collected by Golder on November 17, 2010.

4) Water level data collected by Golder on October 19, 2011.





## 6.0 MONITORING RESULTS SUMMARY

The following summary is taken from Golder (2012). This report provides the results of the 2011 annual monitoring program.

### 6.1 Water Quality Summary

The leachate from the KPL is characterized (at OW3 and OW6-II) by elevated concentrations of ammonia, COD, potassium and iron. The PAH compounds naphthalene and the VOC parameters chlorobenzene and 1,4 dichlorobenzene are also present in the leachate, albeit at low concentrations. Chloride and sodium concentrations at these leachate wells in the waste materials were relatively low, reflecting the age of the waste and the small size of the landfill. As noted below, higher chloride concentrations in the deeper wells may reflect impact of road salting.

Samples from many of the underlying confined sand aquifer monitoring wells also indicate impact from landfill leachate, and in the case of iron, potassium, ammonia and total phosphorus, similar concentrations to those in the leachate. Landfill leachate impact was observed downgradient of the landfill in the unconfined aquifer monitoring well locations near the shoreline of Lake Simcoe (i.e., OW1-III and OW4-II) based on elevated concentrations of iron, potassium, ammonia and total phosphorus.

The presence of road salt related impacts in many locations and the presence of elevated ammonia in the “confined” sand aquifer are considered to reflect the absence of the overlying confining layer to the north, as observed at OW7.

No discernible water quality impacts were observed at surface water location SW-12, located at the shore of Lake Simcoe, adjacent to the KPL. This is considered to reflect, in part, the anticipated attenuation of leachate in the aquifers between the landfill and the discharge to the lake, and the effects of dilution within the open water of Lake Simcoe. Observations of the sandy substrate in the lake suggest the unconfined sand aquifer discharges directly to Lake Simcoe near the shore. Discharge of the deeper confined aquifer is expected to occur further off-shore, and as a result, more attenuation and dilution would be anticipated.

### 6.2 Landfill Gas Assessment

LFG monitoring was carried out on March 4 and November 2, 2012 and on January 9, February 20 and March 7, 2013. The results of the LFG monitoring (monitored locations and methane concentrations) are summarized from the 2012 Annual Monitoring Report (Golder, 2013). The monitoring locations are shown on Figure 3.

During LFG monitoring events carried out between March 4, 2012 and March 7, 2013, detectable concentrations of methane were measured at the following locations: GP-KP2, GP-KP7, GP-KP8, GP-KP9 and GP-KP10, ranging from 0.1% v/v (GP-KP2, November 2, 2012; GP-KP7, February 20, 2013; and GP-KP10, January 9, 2013 and March 7, 2013) to 75.6% v/v (GP-KP7, November 2, 2012). Methane was not detected at any other LFG monitoring locations on the above dates; however, it is noted that the water level was above the top of the screened interval at GP-KP3 on November 2, 2012 and March 7, 2013 and at OW4, OW5 and OW6 on March 7, 2013. Results of the methane monitoring may be biased low on these dates. Landfill gas concentrations of greater than 5% (the LEL of methane) have previously been observed at OW3 and OW6-II within the central portion of the Site, but were not observed in 2012.



## HISTORIC WASTE SITE INVESTIGATION - KITCHENER PARK LANDFILL (SITE X4110)

The typical action level for landfill gas monitoring programs is 0.5 to 1% methane (10 to 20% of the LEL). Actions which are taken at this point are dependent upon the specific situation at each site, but can include:

- Confirmatory monitoring (completed);
- Notification of the receptor/resident and building design risk assessment possibly including monitoring of methane in the buildings;
- Installation of methane monitoring alarm systems in adjacent buildings;
- Installation and monitoring of new gas probes closer to the receptor/building;
- Engineering assessment of alternative remedial methods;
- Excavation (removal) of the waste materials; or,
- Construction of cut-off walls and passive or active gas venting/collection systems.

Results of the current monitoring program indicate that the concentration of methane within the landfill at the northern boundary of the Site (at GP-KP7 and GP-KP8) continue to consistently exceed the lower explosive limit. Given these consistent exceedances of the LEL, the potential for migration of methane through the waste cover/fill materials north of the Site has previously been identified. LFG concentrations in excess of the LEL pose a potential safety issue for off-Site buildings where it could accumulate and result in an explosion. Given the presence of LFG in excess of the LEL, the City has previously notified the owners of the industrial property to the north of the Site.

To further assess potential off-Site migration of LFG to the north, as part of the D-4 study requirements, the City retained Golder to monitor the installation of two new LFG monitors in January 2013 (GP-KP9 and GP-KP10), located off-site north of Kitchener Street. During initial monitoring events between January and March 2013, concentrations of methane were detected at each of these monitoring locations on each date monitored, at concentrations (maximum of 3.4% at GP-KP10) less than the LEL.

The 2012 LFG monitoring indicates that there is no methane present at the northeast and eastern boundaries of the KPL. The cover of the landfill consists largely of coarse grained soils and, as a result, methane is expected to preferentially vent to the atmosphere within this area of the Site. Under frozen ground conditions, or under pavement and building foundations, LFG may migrate preferentially within the coarser grained materials above the water table. To the east of the landfill, the migration of LFG is limited by the thinning of the peat/sand aquifer and the shallow water table, which limit the area through which LFG will migrate. Additionally, where the depth of the surrounding ditches reach the water table, off-Site migration is further limited.



## **7.0 SUMMARY AND DISCUSSION**

### **7.1 Estimated Extent of Waste**

The limit of waste is shown on Figure 3 and was estimated based on the surface geophysical survey and geoprobe borehole transects as reported in the Kitchener Park Landfill Hydrogeological Assessment Report (Golder, 2011).

### **7.2 Interpreted Extent of Environmental Impacts from Waste**

As stated in the D-4 Guideline (MOE, 1994), its purpose is to protect the health, safety, convenience and welfare of residents from the potential adverse effects of landfills and dumps by restricting or controlling land use in their vicinity. It complements the Ministry's existing abatement programs, and Ministry staff refer to it when they review land use proposals in the vicinity of landfills. Factors to be considered when land use is proposed on or near a non-operating site include: (i) ground and surface water contamination by leachate, (ii) surface runoff, ground settlement, (iii) visual impact, (iv) soil contamination and hazardous waste, and (iv) landfill-generated gases. Particular attention is given to the production and migration of methane gas. The scope of the current study completed by Golder does not include assessment of ground settlement or contaminated soils and impacts on private sites, other than to comment on available historical information.

The subject Site, referred to in the MOE Waste Inventory as X4110, is located on City property. The extent of impact commented on in this current study is based on detailed assessments recently completed on behalf of the City for other projects.

The interpreted groundwater flow direction in the shallow aquifer is largely radial with a strong southward component towards Lake Simcoe and no flow to the north beyond the Site boundaries. The groundwater flow direction in the underlying sand aquifer is to the south toward Lake Simcoe. Surface water runoff from the Site is interpreted to flow towards the ditches on the northern and eastern boundaries, towards Lake Simcoe to the south, and a component to Ben's Ditch and the intervening wetlands to the west. The presence of methane to the north indicates migration through the waste cover/fill materials towards the north and extends across Kitchener Street.

On the basis of the results of these investigations and the observed historical information, reduction of the standard 500 metre assessment zone for D-4 investigations can be undertaken. Given the groundwater and surface water flow directions and lack of visual impact, investigations for D-4 purposes are not considered necessary to the east/south/west of the property, as outlined on Figure 8. Areas to the north of this Site should continue to be required to complete evaluations of potential impacts of landfill gas for proposed developments, relative to D-4 guidelines. Installation and sampling of wells within private properties along Kitchener Street or within the Highway 12 right-of-way, north of the newly installed gas probes may be considered to assist in further limiting the extent of the D-4 assessment area.

Based on the results of these investigations and the observed historical information for the six City of Orillia historical waste sites, Figure G-1 (Appendix G) summarizes the areas where investigations for D-4 purposes are required.



## **8.0 RECOMMENDATIONS**

The following recommendations for monitoring of locations include:

- 1) The City should continue with ongoing environmental monitoring at this Site.

Based on the findings of the above scope of work and recommended monitoring program, Golder recommends the following:

- 2) The area under D-4 guidelines can be reduced to the limits of the Site (see Figure 8); however, confirmation of the northern limit of the extent of landfill gas impacts is required north of GP-KP9 and GP-KP10;
- 3) Installation and sampling of additional landfill gas probes north of the industrial properties located immediately north of Kitchener Street may be considered to assist in further limiting the extent of the D-4 assessment area; and,
- 4) Decommission the on-Site monitoring wells and landfill gas probes in accordance with O. Reg. 903 when no longer required.



## Report Signature Page

### **GOLDER ASSOCIATES LTD.**

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Junior Hydrogeologist

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Principal, Senior Geo-Environmental Engineer

JEB/CLG/PJD/plc

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## **9.0 LIMITATIONS AND USE OF REPORT**

Golder's professional services for this assignment addressed only the geo-environmental (chemical) aspects of the subsurface conditions at this Site. The geotechnical (physical) aspects, including engineering recommendations for the design and construction of building foundations, pavements, underground servicing and the like are outside the terms of reference for this report and have not been investigated or addressed.

This report is based on data and information collected during the subsurface environmental investigations conducted by Golder and is based solely on Site conditions encountered at the time of the field work.

In evaluating the Site, Golder has relied in good faith on information provided by others and evaluated only conditions at a limited number of test locations. Only limited chemical analyses of soil samples were carried out. It should be noted that the results of an investigation of this nature should, in no way, be construed as a warranty that the Site is free from any and all contamination from past or current practices.

We accept no responsibility for any deficiency, misstatements or inaccuracies contained in this report as a result of omission, misinterpretations or fraudulent acts of the persons interviewed. Golder accepts no responsibility for any reduction in property value, either real or perceived, as a result of the reporting of factual information herein.

This assessment was carried out using existing historical information as available from various agencies and no assurance is made regarding the accuracy or completeness of this information.

If additional information is obtained during future work at the Site, including excavations, borings, or other studies, and/or if conditions exposed during construction are different from those encountered in this assessment, Golder should be requested to re-evaluate the conclusions presented in this report and provide amendments as required.



### 10.0 REFERENCES

The following is a list of persons contacted and references reviewed for the purposes of preparing this report:

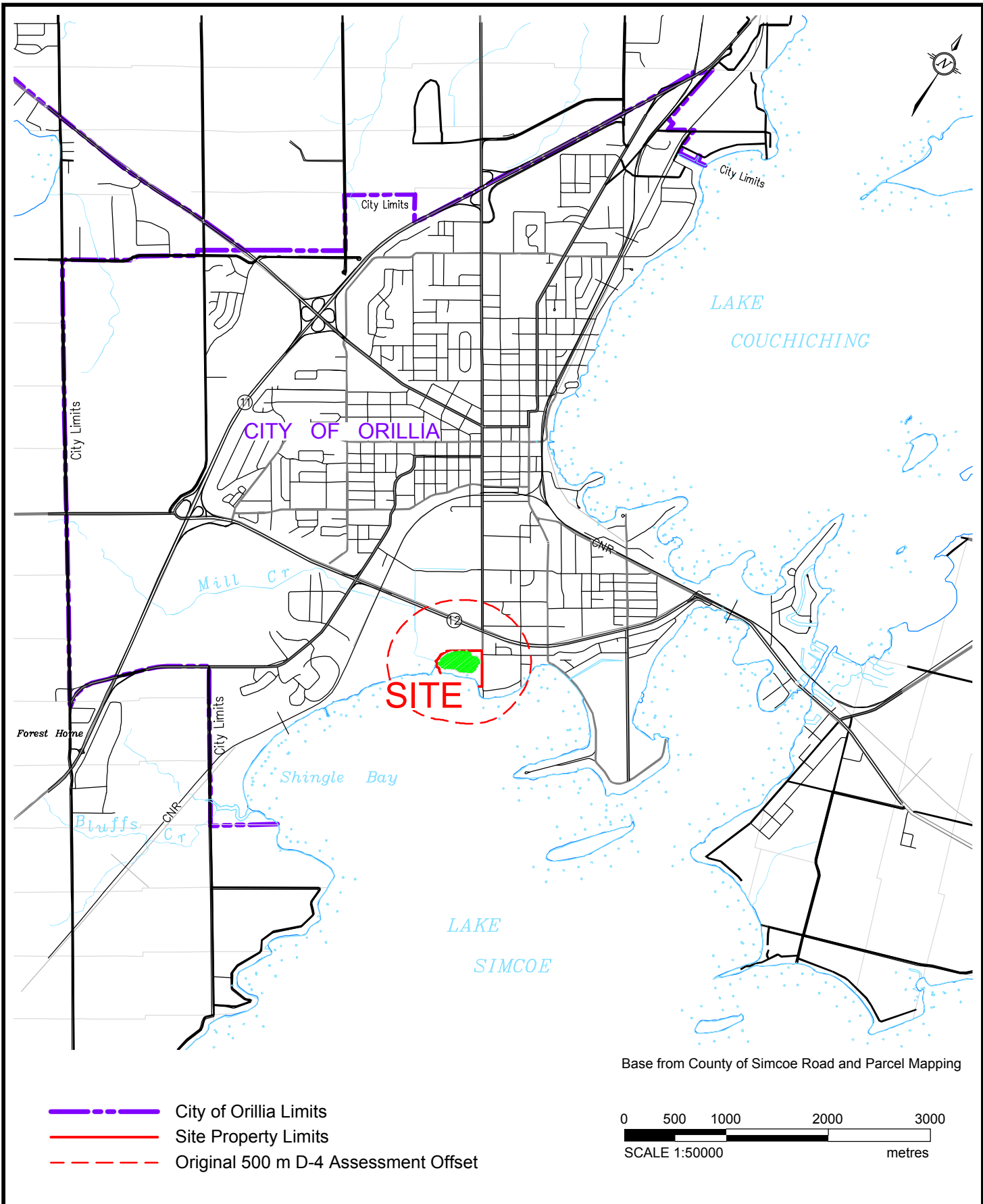
| Source                                                                                                                                    | Date                                                   |
|-------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Aerial Photographs – obtained from National Air Photo Library on behalf of Golder.                                                        | 1945, 1965, 1967, 1976, 1984, and 2002                 |
| <u>Bedrock Geology of Ontario, Southern Sheet</u> . Map 2544. Ontario Ministry of Development and Mines, 1991.                            | 1991                                                   |
| Chain of Title Report                                                                                                                     | 2012                                                   |
| City Directories, obtained by LGI on behalf of Golder.                                                                                    | 1961, 1966, 1976, 1982, 1986, 1996/1997, and 1998/1999 |
| County of Simcoe interactive mapping website, 2012, <a href="http://maps.simcoe.ca/">http://maps.simcoe.ca/</a> ,                         | 2012                                                   |
| EcoLog Environmental Risk Information Services                                                                                            | March 30, 2012                                         |
| Golder Associates Ltd., 2005. North Simcoe Groundwater Study, WHPA – City of Orillia                                                      | May 2005                                               |
| Golder Associates Ltd., 2011. Hydrogeological Assessment of the Former Kitchener Park Landfill, Orillia, ON                               | March 2011                                             |
| Golder Associates Ltd., 2012. 2011 Annual Monitoring Report Kitchener Park Landfill, Orillia, ON                                          | April 2012                                             |
| Golder Associates Ltd., 2013. 2012 Annual Monitoring Report Kitchener Park Landfill, Orillia, ON                                          | April 2013                                             |
| Ontario Ministry of the Environment, 1994. Guideline D-4: Land Use On or Near Landfills and Dumps                                         | April 1994                                             |
| Ontario Ministry of the Environment                                                                                                       | Pending                                                |
| Ontario Ministry of the Environment, June 2003, revised June 2006. Ontario Drinking-Water Quality, Standards and Objectives. PIBS 4449e01 | 2006                                                   |
| Ontario Ministry of the Environment, Water Well Records database                                                                          | October 2012                                           |
| RMS Response                                                                                                                              | April 4, 2012                                          |
| <u>Sheet 30S</u> . Map 1335A, Southern Sheet. Geological Survey of Canada, 1971.                                                          | 1971                                                   |
| Technical Standards and Safety Authority Response                                                                                         | March 23, 2012                                         |
| City of Orillia, Public Works Department                                                                                                  | 2012                                                   |



# FIGURES



PLOT DATE: May 3, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBMAP.dwg: [Figure 1]



|        |             |
|--------|-------------|
| SCALE  | AS SHOWN    |
| DATE   | 28 JAN 2013 |
| DESIGN |             |
| CAD    | S BOWERMAN  |

TITLE

## REGIONAL LOCATION MAP X4110

FILE No. 1111700079DBMAP.dwg

CHECK

HISTORICAL LANDFILL SITES  
CITY OF ORILLIA

FIGURE

PROJECT No. 11-1170-0079

REV.

REVIEW

1





**LEGEND:**

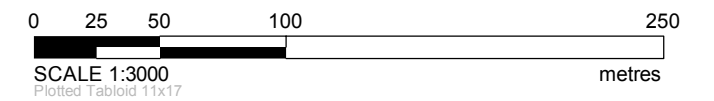
- |                                                                                     |                                             |
|-------------------------------------------------------------------------------------|---------------------------------------------|
|  | Waste Site Limit                            |
|  | Estimated Extent of Landfill                |
|  | Gas Probe                                   |
|  | Monitoring Well / Gas Probe                 |
|  | Borehole                                    |
|  | Kitchener Park Gas Probe                    |
|  | Observation Well                            |
|  | Approximate Limit of Former Waste Fill Area |

**NOTES:**

1. DATUM IS UTM NAD83 Zone 17
2. ALL MAPPED BOUNDARIES, LIMITS, AND INTERPOLATED FEATURES ARE APPROXIMATE

**REFERENCES:**

1. MAPPING BASED ON CITY OF ORILLIA ASSESSMENT, 2009
2. SATELLITE IMAGERY FROM DISCOVERSIMCOE.CA



## SITE LOCATION MAP X4110

## HISTORICAL LANDFILL SITES CITY OF ORILLIA



FILE No. 1111700079DBSITE.dwg

|             |              |
|-------------|--------------|
| PROJECT No. | 11-1170-0079 |
|-------------|--------------|

SCALE AS SHOWN

DATE 23 JUL 2013

DESIGN

CAD S BOWERMAN

CHECK

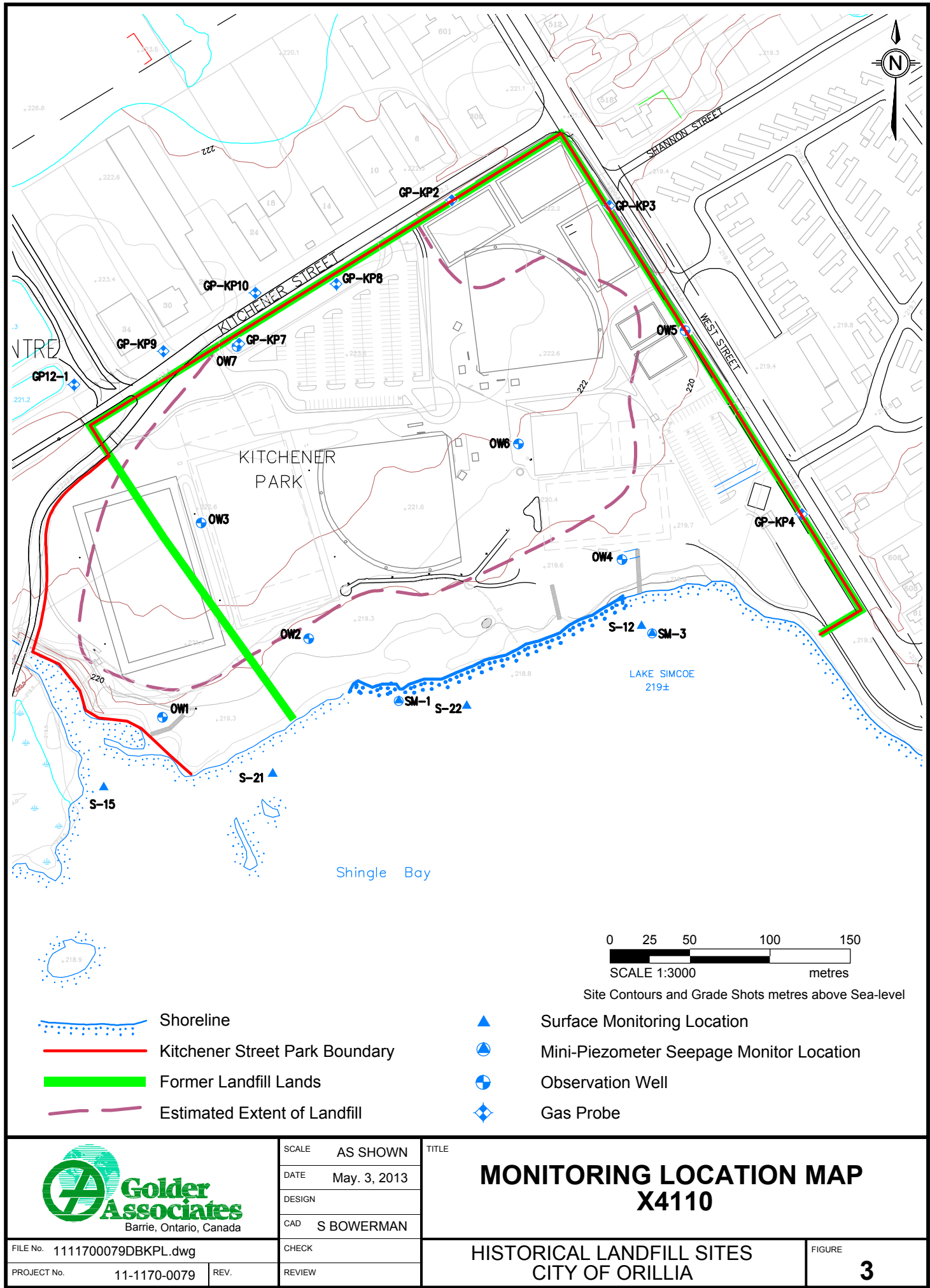
FIGURE

REVIEW

2



PLOT DATE: May 3, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-1111700079DBKPL.dwg: [Figure 3]



SCALE AS SHOWN  
DATE May. 3, 2013  
DESIGN  
CAD S BOWERMAN

FILE No. 1111700079DBKPL.dwg

PROJECT No. 11-1170-0079

REV.

CHECK

REVIEW

TITLE

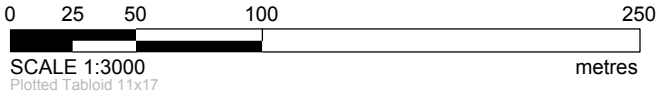
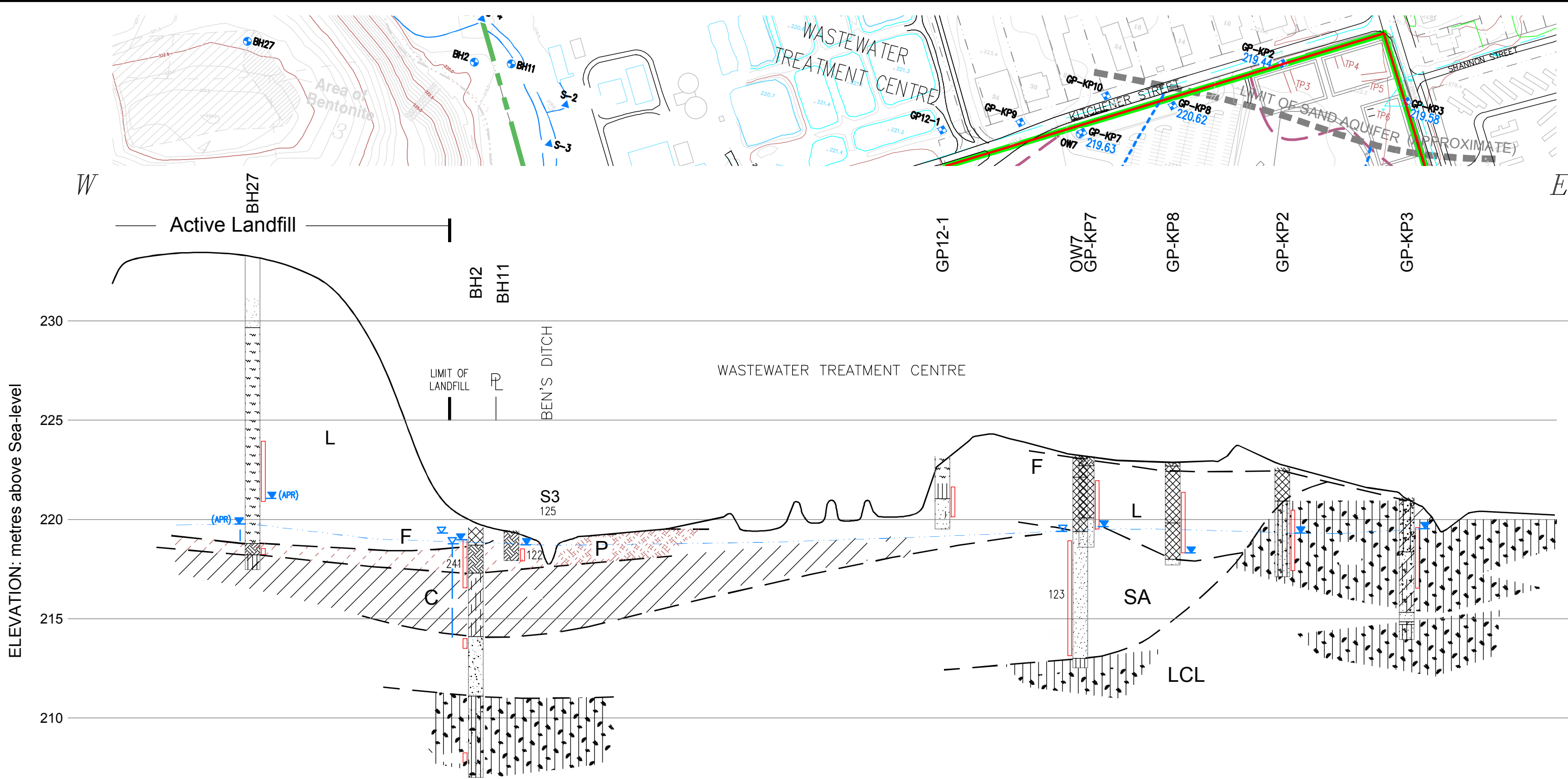
**MONITORING LOCATION MAP X4110**

**HISTORICAL LANDFILL SITES CITY OF ORILLIA**

FIGURE

**3**

PLOT DATE: May 3, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-\111700079DBKPL.dwg

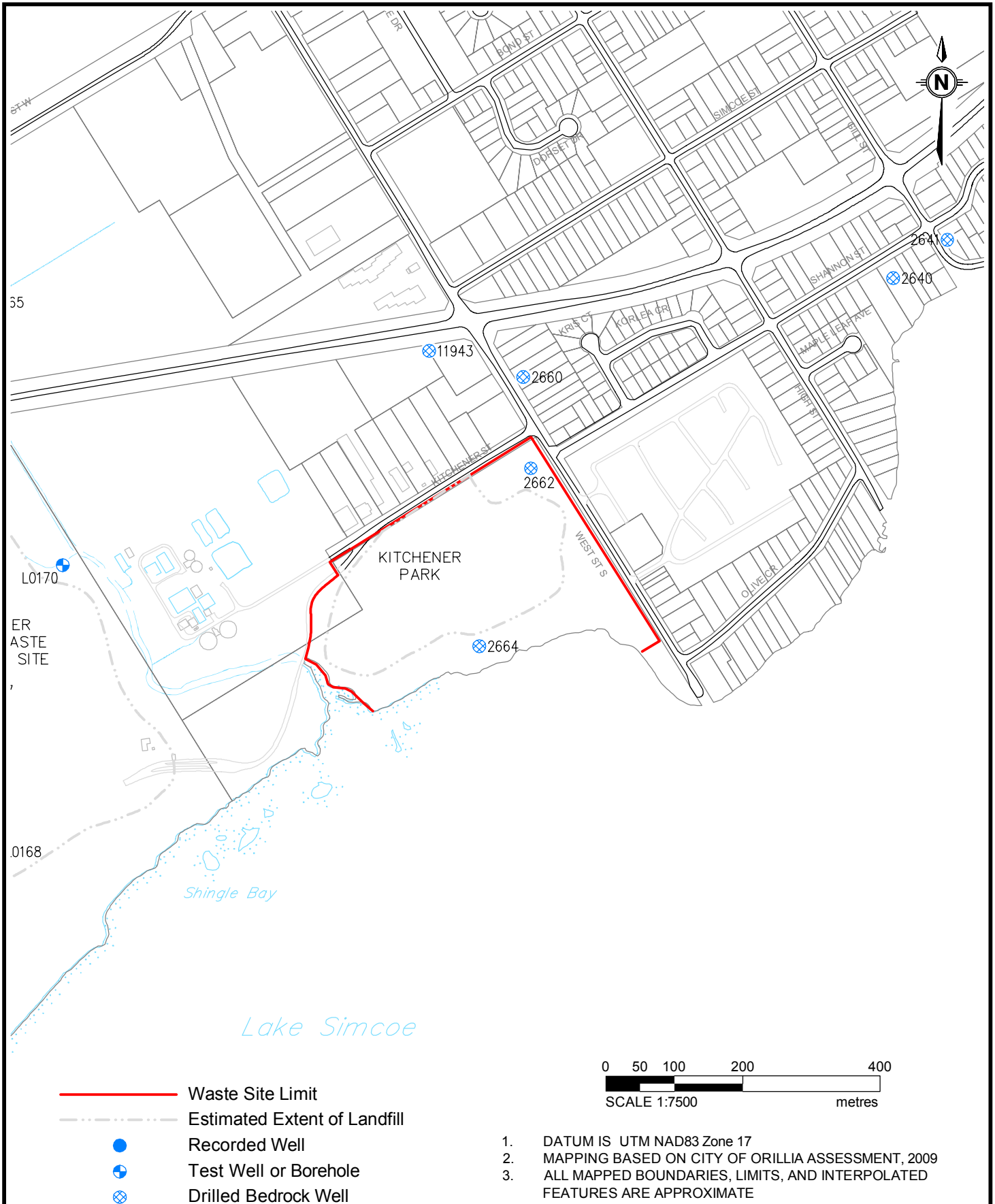


STRATIGRAPHIC LEGEND:

|  |                  |  |                 |  |                  |  |                                    |
|--|------------------|--|-----------------|--|------------------|--|------------------------------------|
|  | FILL/OVERBURDEN  |  | SILTY SAND      |  | SANDY SILT TILL  |  | STATIC WATER LEVEL FALL 2011       |
|  | ORGANICS/TOPSOIL |  | SILT            |  | CLAYEY SILT TILL |  | SAND AQUIFER WATER LEVEL FALL 2011 |
|  | SAND & GRAVEL    |  | SANDY SILT      |  | WASTE            |  | CHLORIDE CONCENTRATION FALL 2011   |
|  | SAND             |  | SILTY SAND TILL |  | WELL SCREEN      |  |                                    |

|                              |  |        |             |                                                      |  |
|------------------------------|--|--------|-------------|------------------------------------------------------|--|
| <br>Barrie, Ontario, Canada  |  | SCALE  | AS SHOWN    | TITLE<br><b>HYDROSTRATIGRAPHIC<br/>CROSS-SECTION</b> |  |
|                              |  | DATE   | 04 APR 2013 |                                                      |  |
|                              |  | DESIGN |             |                                                      |  |
|                              |  | CAD    | S BOWERMAN  | HISTORICAL LANDFILL SITES<br>CITY OF ORILLIA         |  |
| FILE No. 1111700079DBKPL.dwg |  | CHECK  |             |                                                      |  |
| PROJECT No. 11-1170-0079     |  | REV.   |             | FIGURE<br><b>4</b>                                   |  |
|                              |  | REVIEW |             |                                                      |  |

PLOT DATE: July 23, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBSITE.dwg



- Waste Site Limit
- Estimated Extent of Landfill
- Recorded Well
- Test Well or Borehole
- Drilled Bedrock Well

0 50 100 200 400  
SCALE 1:7500 metres

- DATUM IS UTM NAD83 Zone 17
- MAPPING BASED ON CITY OF ORILLIA ASSESSMENT, 2009
- ALL MAPPED BOUNDARIES, LIMITS, AND INTERPOLATED FEATURES ARE APPROXIMATE



SCALE AS SHOWN  
DATE 23 JUL 2013  
DESIGN  
CAD S BOWERMAN

TITLE  
**MOE RECORDED WATER WELLS  
LOCATION MAP  
X4110**

FILE No. 1111700079DBSITE.dwg

PROJECT No. 11-1170-0079

REV.

CHECK

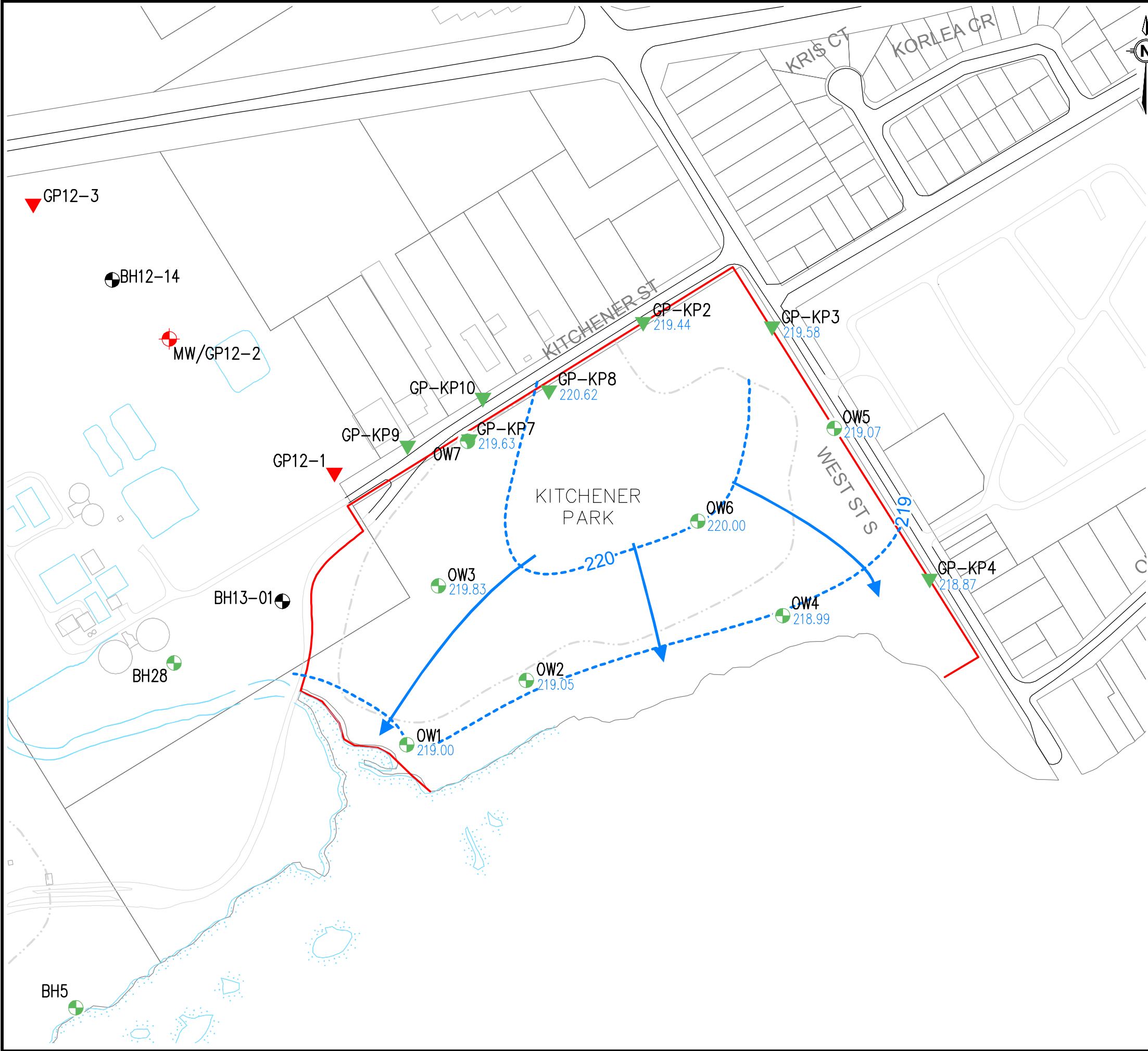
REVIEW

HISTORICAL LANDFILL SITES  
CITY OF ORILLIA

FIGURE

**5**

PLOT DATE: August 22, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBEQUI.dwg [Figure 6]



**LEGEND:**

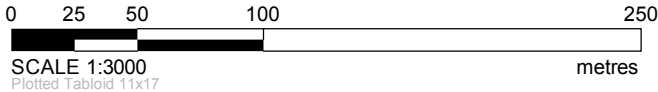
- Waste Site Limit
- Estimated Extent of Landfill
- Borehole / Gas Probe
- Monitoring Well / Gas Probe
- Borehole
- Kitchener Park Gas Probe
- Observation Well
- Interpolated Equipotential Line
- Interpolated Groundwater Flow Direction
- Water Level Elevation (masl)

**NOTES:**

- DATUM IS UTM NAD83 Zone 17
- ALL MAPPED BOUNDARIES, LIMITS, AND INTERPOLATED FEATURES ARE APPROXIMATE

**REFERENCES:**

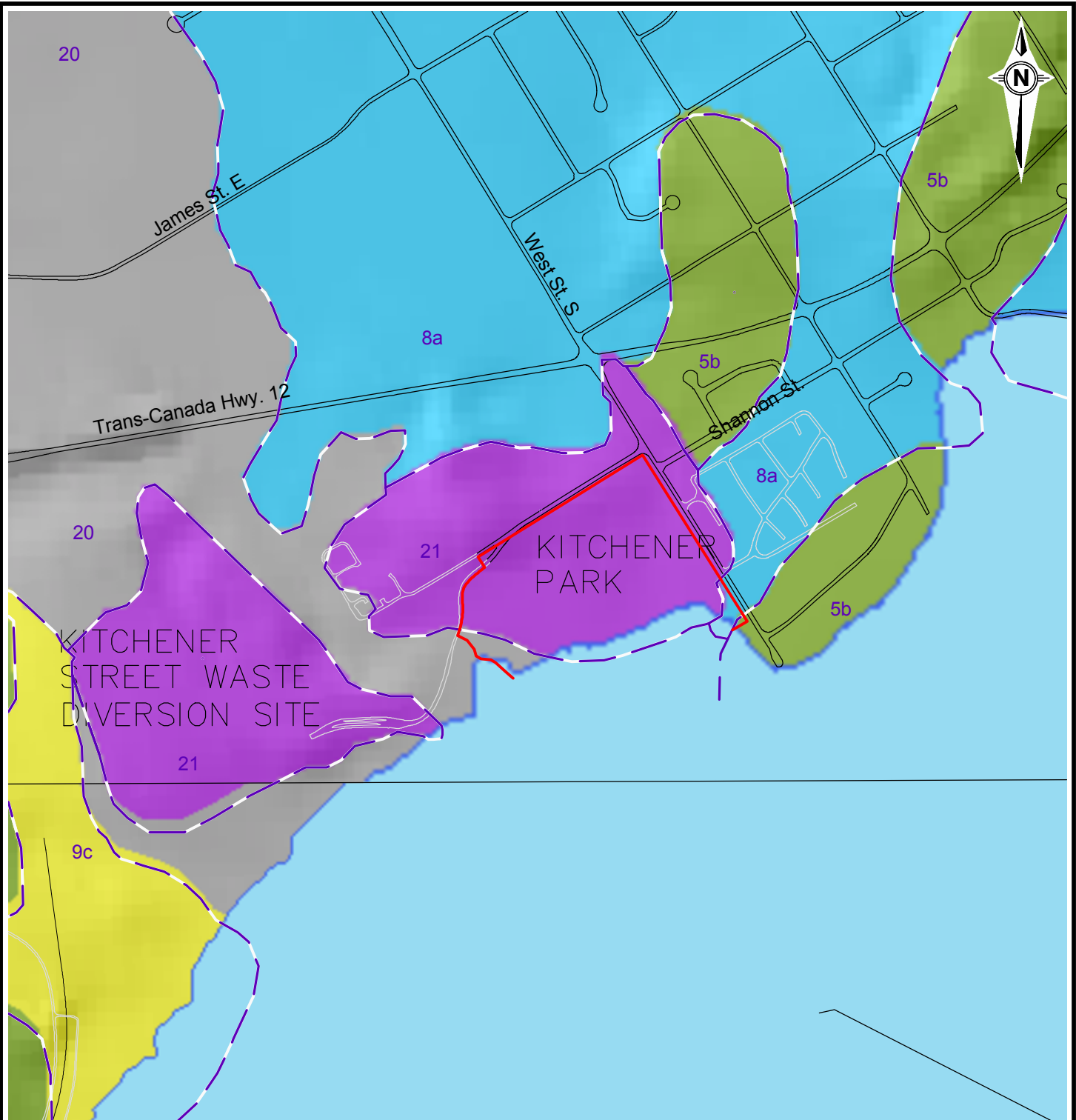
- MAPPING BASED ON CITY OF ORILLIA ASSESSMENT, 2009



|                                                                                                                  |                      |        |             |
|------------------------------------------------------------------------------------------------------------------|----------------------|--------|-------------|
| TITLE                                                                                                            |                      |        |             |
| GROUNDWATER ELEVATIONS<br>FALL 2011<br>X4110                                                                     |                      |        |             |
| HISTORICAL LANDFILL SITES<br>CITY OF ORILLIA                                                                     |                      |        |             |
| <br>Barrie, Ontario, Canada |                      | SCALE  | AS SHOWN    |
|                                                                                                                  |                      | DATE   | 23 JUL 2013 |
|                                                                                                                  |                      | DESIGN |             |
|                                                                                                                  |                      | CAD    | S BOWERMAN  |
| FILE No.                                                                                                         | 1111700079DBEQUI.dwg | CHECK  |             |
| PROJECT No.                                                                                                      | 11-1170-0079         | REV.   |             |
|                                                                                                                  |                      |        | FIGURE      |
|                                                                                                                  |                      |        | 6           |



PLOT DATE: May 3, 2013  
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-1111700079DBQUAT.dwg



**LEGEND:**

- 20 Organic Deposits
- 21 Fill
- 9c Glaciolacustrine Shallow Water Deposits
- 8a Glaciolacustrine Deep Water Deposits
- 5b Ablation Till

— Waste Site Limit

**NOTE:**

Source: Ontario Geological Survey / Geological Survey Canada; 1:50000 Digital compilation, Queen's Printer 2006

0 50 100 250 500  
 SCALE 1:10000 metres



SCALE AS SHOWN  
 DATE 04 APR 2013  
 DESIGN  
 CAD S BOWERMAN

TITLE

**QUATERNARY GEOLOGY MAP**

FILE No. 1111700079DBQUAT.dwg

PROJECT No. 11-1170-0079 REV.

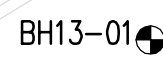
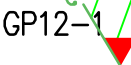
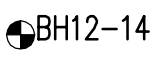
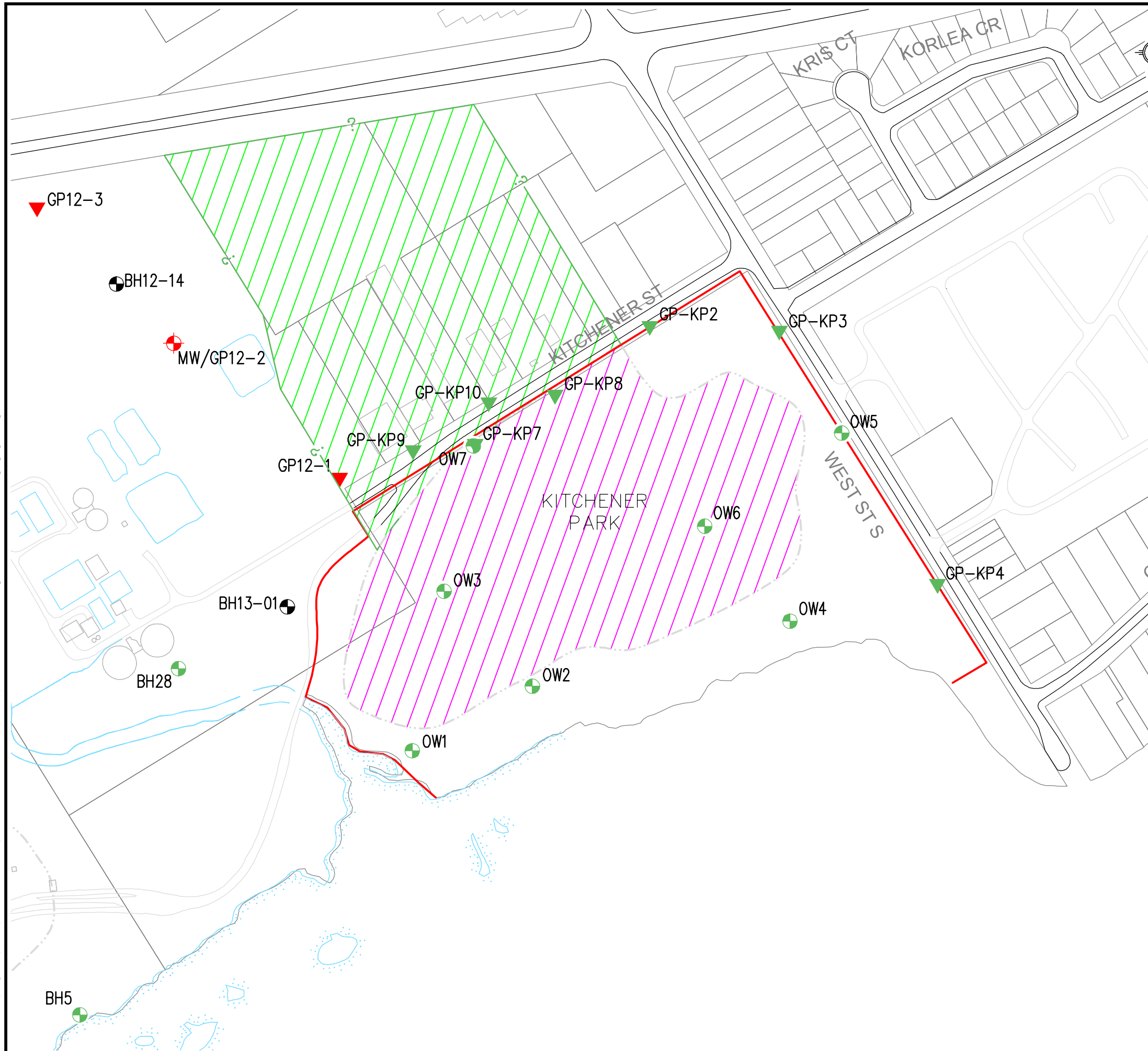
CHECK

REVIEW

HISTORICAL LANDFILL SITES  
 CITY OF ORILLIA

FIGURE

**7**



**LEGEND:**

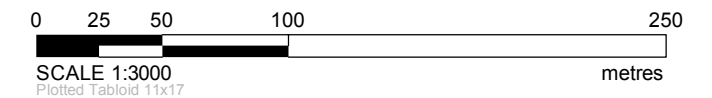
- |  |                                                     |
|--|-----------------------------------------------------|
|  | Waste Site Limit                                    |
|  | Estimated Extent of Landfill                        |
|  | Borehole / Gas Probe                                |
|  | Monitoring Well / Gas Probe                         |
|  | Borehole                                            |
|  | Kitchener Park Gas Probe                            |
|  | Observation Well                                    |
|  | D4 Assessment Required due to Landfill Waste        |
|  | D4 Assessment Required due to Possible Landfill Gas |

**NOTES:**

1. Datum is UTM NAD83 Zone 17
2. All Mapped Boundaries, Limits, and Interpolated Features are Approximate
3. Please read in conjunction with KWDS and Snow Dump Reports for additional D4 Assessment Requirements relating to these Properties.

**REFERENCES:**

1. MAPPING BASED ON CITY OF ORILLIA ASSESSMENT, 2009



|                                                                                                                     |                      |             |
|---------------------------------------------------------------------------------------------------------------------|----------------------|-------------|
| TITLE                                                                                                               |                      |             |
| <h1 style="text-align: center;">D4 ASSESSMENT AREAS</h1> <h2 style="text-align: center;">X4110</h2>                 |                      |             |
| <h3 style="text-align: center;">HISTORICAL LANDFILL SITES</h3> <h4 style="text-align: center;">CITY OF ORILLIA</h4> |                      |             |
|                                | SCALE                | AS SHOWN    |
|                                                                                                                     | DATE                 | 23 JUL 2013 |
|                                                                                                                     | DESIGN               |             |
|                                                                                                                     | CAD                  | S BOWERMAN  |
|                                                                                                                     | CHECK                |             |
| PROJECT No.                                                                                                         | 11-1170-0079         | REV.        |
| FILE No.                                                                                                            | 1111700079DBEQUI.dwg | FIGURE      |
|                                                                                                                     |                      | 8           |





# TABLES

Table 1  
Summary of Landfill Gas Concentrations

| Monitoring Location | CH <sub>4</sub> % (v/v) [LEL = 5% CH <sub>4</sub> (v/v)] |           |                  |                           |          |          |          |           |          | CO <sub>2</sub> % (v/v)   |           |                  |                           |          |          |          |           |          | O <sub>2</sub> % (v/v)     |           |                   |                           |          |          |          |           |          | Balance %                  |           |                   |                           |          |          |          |           |          |
|---------------------|----------------------------------------------------------|-----------|------------------|---------------------------|----------|----------|----------|-----------|----------|---------------------------|-----------|------------------|---------------------------|----------|----------|----------|-----------|----------|----------------------------|-----------|-------------------|---------------------------|----------|----------|----------|-----------|----------|----------------------------|-----------|-------------------|---------------------------|----------|----------|----------|-----------|----------|
|                     | 17/18 Nov 10                                             | 25-Jan-11 | 3-Mar-11         | 13/19 Oct-11 <sup>3</sup> | 4-Mar-12 | 2-Nov-12 | 9-Jan-13 | 20-Feb-13 | 7-Mar-13 | 17/18 Nov 10              | 25-Jan-11 | 3-Mar-11         | 13/19 Oct-11 <sup>3</sup> | 4-Mar-12 | 2-Nov-12 | 9-Jan-13 | 20-Feb-13 | 7-Mar-13 | 17/18-Nov-10               | 25-Jan-11 | 3-Mar-11          | 13/19 Oct-11 <sup>3</sup> | 4-Mar-12 | 2-Nov-12 | 9-Jan-13 | 20-Feb-13 | 7-Mar-13 | 17/18 Nov-10               | 25-Jan-11 | 3-Mar-11          | 13/19 Oct-11 <sup>3</sup> | 4-Mar-12 | 2-Nov-12 | 9-Jan-13 | 20-Feb-13 | 7-Mar-13 |
| GP-KP2              | 0.3 / 0.0 <sup>1</sup>                                   | 0.0       | 0.0              | 0.0 / 0.0                 | -        | 0.1      | -        | -         | 0.0      | 15.5 / 1.2 <sup>1</sup>   | 5.1       | 0.2 / 3.4        | 13.5 / 3.4                | -        | 16.3     | -        | -         | 8.5      | 0.0 / 19.6 <sup>1</sup>    | 14.3      | 19.2              | 5.0 / 17.5                | -        | 0.0      | -        | -         | 3.4      | 84.2 / 79.2 <sub>1</sub>   | 80.6      | 80.5              | 81.6 / 79.3               | -        | 83.8     | -        | -         | 88.1     |
| GP-KP3              | 0.0                                                      | 0.0       | 0.0              | 0.0 / 0.0                 | -        | 0.0      | -        | -         | 0.0      | 1.5                       | 0.0       | 0.6              | 1.9 / 3.9                 | -        | 0.1      | -        | -         | 0.1      | 20.3                       | 21.9      | 19.1              | 17.9 / 17.0               | -        | 21.9     | -        | -         | 20.9     | 78.2                       | 78.1      | 80.3              | 80.1 / 79.0               | -        | 78.0     | -        | -         | 79       |
| GP-KP4              | 0.0                                                      | 0.0       | 0.0              | 0.0 / 0.0                 | -        | 0.0      | -        | -         | 0.0      | 0.1                       | 1.1       | 4.4              | 5.4 / 12.8                | -        | 0.6      | -        | -         | 0.2      | 21.6                       | 20.9      | 12.8              | 15.8 / 6.5                | -        | 21.6     | -        | -         | 21.1     | 78.3                       | 78        | 82.8              | 78.7 / 80.7               | -        | 77.8     | -        | -         | 78.7     |
| GP-KP7              | -                                                        | -         | -                | 59.8 / 29.2               | 20.1     | 75.6     | 67.1     | 0.1       | 7.6      | -                         | -         | -                | 16.5 / 12.1               | 7.7      | 18.4     | 15.0     | 0.4       | 7.7      | -                          | -         | -                 | 3.4 / 4.4                 | 7.4      | 0.2      | 0.0      | 21.4      | 6.7      | -                          | -         | -                 | 19.8 / 54.1               | 64.7     | 5.8      | 17.9     | 78.1      | 78       |
| GP-KP8              | -                                                        | -         | -                | 0.3 / 34.3                | 0.0      | 0.9      | 20.7     | 37.1      | 27.1     | -                         | -         | -                | 0.5 / 12.7                | 0.1      | 0.5      | 11.2     | 10.2      | 8.4      | -                          | -         | -                 | 19.6 / 3.1                | 21.0     | 21.7     | 1.0      | 0.0       | 1.3      | -                          | -         | -                 | 79.6 / 49.6               | 78.9     | 76.9     | 67       | 52.7      | 63.2     |
| GP-KP9              | -                                                        | -         | -                | -                         | -        | -        | 1.4      | 2.5       | 2.1      | -                         | -         | -                | -                         | -        | -        | 12.3     | 11.9      | 11.3     | -                          | -         | -                 | -                         | -        | -        | 0.0      | 0.4       | 0.0      | -                          | -         | -                 | -                         | -        | -        | 86.3     | 85.2      | 86.6     |
| GP-KP10             | -                                                        | -         | -                | -                         | -        | -        | 0.1      | 3.4       | 0.1      | -                         | -         | -                | -                         | -        | -        | 4.8      | 10.2      | 4.7      | -                          | -         | -                 | -                         | -        | -        | 11.1     | 2.4       | 12.0     | -                          | -         | -                 | -                         | -        | -        | 84       | 84        | 83.2     |
| OW3                 | 7.5 / 8.1 <sup>1</sup>                                   | -         | 3.1              | 0.4 / 0.2                 | -        | -        | -        | -         | 0.0      | 4.3 / 3.3 <sup>1</sup>    | -         | 2.4              | 7.2 / 1.1                 | -        | -        | -        | -         | 0.1      | 17.7 / 18.1 <sub>1</sub>   | -         | 17.5              | 16.2 / 19.4               | -        | -        | -        | -         | 21.0     | 70.6 / 70.5 <sub>1</sub>   | -         | 77.3              | 76.1 / 79.6               | -        | -        | -        | -         | 78.9     |
| OW4-I               | -                                                        | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                         | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                          | -         | -                 | -                         | -        | -        | -        | -         | 21.1     | -                          | -         | -                 | -                         | -        | -        | -        | -         | 79       |
| OW4-II              | -                                                        | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                         | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                          | -         | -                 | -                         | -        | -        | -        | -         | 21.1     | -                          | -         | -                 | -                         | -        | -        | -        | -         | 78.8     |
| OW5-I               | -                                                        | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                         | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                          | -         | -                 | -                         | -        | -        | -        | -         | 21.0     | -                          | -         | -                 | -                         | -        | -        | -        | -         | 78.9     |
| OW5-II              | -                                                        | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                         | -         | -                | -                         | -        | -        | -        | -         | 0.2      | -                          | -         | -                 | -                         | -        | -        | -        | -         | 21.0     | -                          | -         | -                 | -                         | -        | -        | -        | -         | 78.9     |
| OW6-1               | -                                                        | -         | -                | -                         | -        | -        | -        | -         | 0.0      | -                         | -         | -                | -                         | -        | -        | -        | -         | 0.1      | -                          | -         | -                 | -                         | -        | -        | -        | -         | 21.0     | -                          | -         | -                 | -                         | -        | -        | -        | -         | 78.9     |
| OW6-II              | 27.4 / 11.3 <sub>1,2</sub>                               | -         | 1.4 <sup>2</sup> | 3.9 / 1.9 <sup>2</sup>    | -        | -        | -        | -         | 0.0      | 11.2 / 4.8 <sub>1,2</sub> | -         | 1.0 <sup>2</sup> | 0.9 / 0.9 <sup>2</sup>    | -        | -        | -        | -         | 0.1      | 12.6 / 17.5 <sub>1,2</sub> | -         | 18.3 <sup>2</sup> | 18.6 / 19.4 <sub>2</sub>  | -        | -        | -        | -         | 21.0     | 48.8 / 66.6 <sub>1,2</sub> | -         | 79.5 <sup>2</sup> | 76.7 / 77.7 <sub>2</sub>  | -        | -        | -        | -         | 78.9     |

NOTES:  
1) Re-sampling undertaken 18-Nov-10.  
2) Little or no part of the screen was above the water table at the time of Landfill Gas measurement.  
3) All monitoring wells were re-sampled on 19-Oct-2011 as part of a field QA/QC program.  
4) The lower explosive limit (LEL) for methane is 5% CH<sub>4</sub> (v/v)



# **APPENDIX A**

## **Aerial Photographs**

PLOT DATE: August 23, 2013  
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBAIR1930.dwg

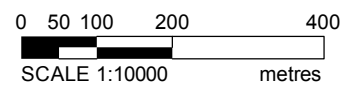


**LEGEND:**

- Waste Site Limit
- - - - - Approximate Limit of Waste

**NOTE:**

1. Projection UTM NAD83 Zone 17



SCALE AS SHOWN  
 DATE 04 FEB 2013  
 DESIGN  
 CAD S BOWERMAN

TITLE

**AIR PHOTO 1930**

FILE No. 1111700079DBAIR1930.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES  
 CITY OF ORILLIA**

FIGURE

**A-1**

PROJECT No. 11-1170-0079

REV.

REVIEW

PLOT DATE: August 23, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBAIR1945.dwg

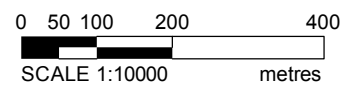


**LEGEND:**

- Waste Site Limit  
- - - Approximate Limit of Waste

**NOTE:**

1. Projection UTM NAD83 Zone 17



SCALE AS SHOWN  
DATE 04 FEB 2013  
DESIGN  
CAD S BOWERMAN

TITLE

**AIR PHOTO 1945**

FILE No. 1111700079DBAIR1945.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES  
CITY OF ORILLIA**

FIGURE

**A-2**

PROJECT No. 11-1170-0079

REV.

REVIEW



PLOT DATE: August 23, 2013  
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBAIR1965.dwg

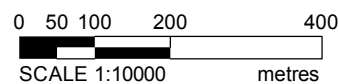


**LEGEND:**

— Waste Site Limit

**NOTE:**

1. Projection UTM NAD83 Zone 17



|        |             |
|--------|-------------|
| SCALE  | AS SHOWN    |
| DATE   | 04 FEB 2013 |
| DESIGN |             |
| CAD    | S BOWERMAN  |

TITLE

## AIR PHOTO 1965

FILE No. 1111700079DBAIR1965.dwg

CHECK CLG

PROJECT No. 11-1170-0079 REV.

REVIEW

HISTORICAL LANDFILL SITES  
CITY OF ORILLIA

FIGURE

**A-3**



PLOT DATE: August 23, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBAIR1967.dwg



**LEGEND:**

- Waste Site Limit  
- - - Approximate Limit of Waste

**NOTE:**

1. Projection UTM NAD83 Zone 17

0 50 100 200 400  
SCALE 1:10000 metres



SCALE AS SHOWN  
DATE 04 FEB 2013  
DESIGN  
CAD S BOWERMAN

TITLE

**AIR PHOTO 1967**

FILE No. 1111700079DBAIR1967.dwg

CHECK CLG

HISTORICAL LANDFILL SITES  
CITY OF ORILLIA

FIGURE

**A-4**

PROJECT No. 11-1170-0079

REV.

REVIEW

PLOT DATE: August 23, 2013  
 FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBAIR1968.dwg

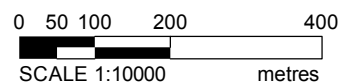


**LEGEND:**

- Waste Site Limit
- - - - - Approximate Limit of Waste

**NOTE:**

1. Projection UTM NAD83 Zone 17



SCALE AS SHOWN  
 DATE 04 FEB 2013  
 DESIGN  
 CAD S BOWERMAN

TITLE

**AIR PHOTO 1968**

FILE No. 1111700079DBAIR1968.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES  
 CITY OF ORILLIA**

FIGURE

**A-5**

PROJECT No. 11-1170-0079

REV.

REVIEW



PLOT DATE: August 23, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-111700079DBAIR1976.dwg

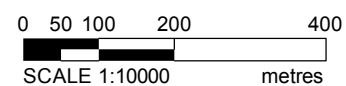


**LEGEND:**

- Waste Site Limit
- - - Approximate Limit of Waste

**NOTE:**

1. Projection UTM NAD83 Zone 17



SCALE AS SHOWN

DATE 04 FEB 2013

DESIGN

CAD S BOWERMAN

TITLE

**AIR PHOTO 1976**

FILE No. 1111700079DBAIR1976.dwg

CHECK CLG

**HISTORICAL LANDFILL SITES  
CITY OF ORILLIA**

FIGURE

**A-6**

PROJECT No. 11-1170-0079

REV.

REVIEW



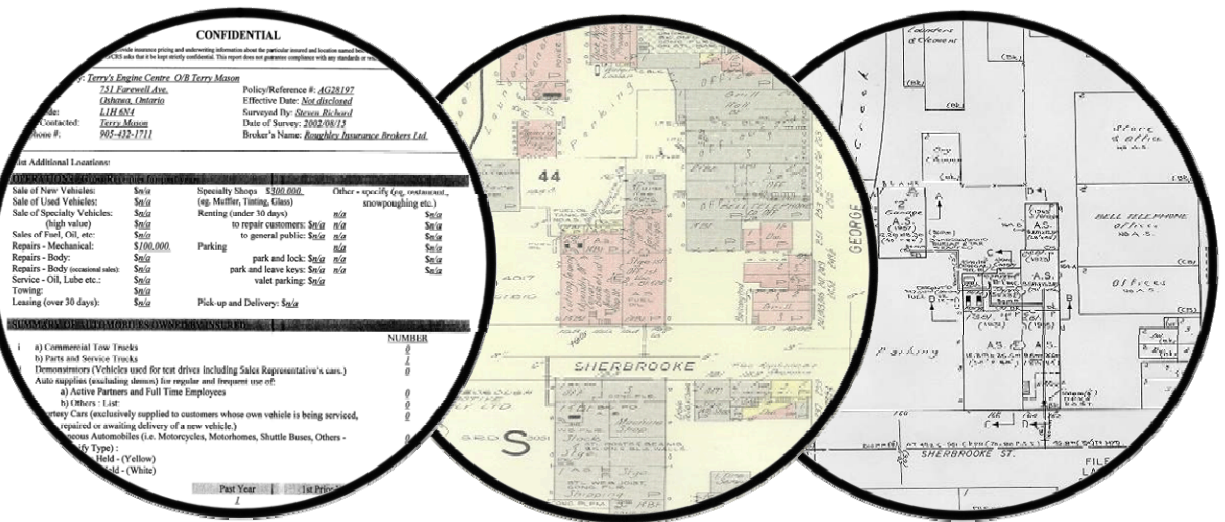
# **APPENDIX B**

## **RMS Report**

# HEIRS™



Historical  
Environmental  
Information  
Reporting  
System



## Site Address:

25 Kitchener St  
Orillia, ON

## Project No:

11-1170-0079

## Requested by:

T. Zunti  
Golder Associates

## Date Completed:

April 3, 2012



RISK MANAGEMENT SERVICES  
An SCM Company

150 Commerce Valley Drive W  
Thornhill, ON L3T 7Z3  
Tel: (905) 882-6300 ext 5410  
www.scm-rms.ca

Report Completed By:  
Vanessa Ode



**RMS Environmental Services**  
**Historical Environmental Information Reporting System (HEIRS™)**

April 3, 2012

Tamara Zunti  
Golder Associates  
100 Scotia Ct  
Whitby, ON, L1N 8Y6

Dear Tamara ,

Re: **Your Site Address: 25 Kitchener St, Orillia, ON**  
**Your Reference No.: 11-1170-0079**

As requested, we have searched our records regarding the above site and the following information was found:

| Information                                                    | Date(s) | Comment                                    | Cost           |
|----------------------------------------------------------------|---------|--------------------------------------------|----------------|
| Research Fee per street address                                |         | \$50.00 flat fee per street address.       | \$50.00        |
| Fire Insurance Plans                                           | NRF     | \$100.00 for each Fire Insurance Plan.     |                |
| Reports:<br>All Risk/Multi-Risk<br>Inspection<br>COPE<br>Other | NRF     | \$55.00 for each Inspection/Survey Report. |                |
| Site Plan(s)                                                   | NRF     | \$70.00 for each Site Plan.                |                |
| Two (2) or Four (4) Day Rush Fee                               |         |                                            |                |
| <b>Total</b>                                                   |         |                                            | <b>\$50.00</b> |

NRF: No Records Found. NO: Not Ordered.

The cost is \$50.00 plus courier charges (if applicable) and HST. See Terms and Conditions on page 2 of this letter.

Thank you for employing the services of SCM Risk Management Services Inc.

Vanessa Ode  
RMS Environmental Services



150 Commerce Valley Drive W  
Markham, Ontario  
L3T 7Z3

**T:** 905.882.6300  
**Toll Free:** 1.800.268.8080  
**F:** 905.695.6543

An **SCM** Company  
[www.scm-rms.ca](http://www.scm-rms.ca)

# **RMS Environmental Services**

## **Historical Environmental Information Reporting System (HEIRS™)**

### **Terms and Conditions**

#### **Report**

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

#### **Disclaimer**

RMS disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on RMS Reports or from any tortious acts or omissions of RMS's agents, employees or representatives.

#### **Entire Agreement**

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

#### **Governing Document**

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

#### **Law**

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



# **APPENDIX C**

## **Regulatory Responses**



**LGI COPY SERVICES CANADA**

www.lgicscanada.com

alantos@lgicscanada.com

Phone: 613-875-7387

Fax: 819-684-7624

|                                     |                                                                                                                                                                                                                                                                                                                                  |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROJECT NUMBER:</b> 11-1170-0079 |                                                                                                                                                                                                                                                                                                                                  |
| <b>Site Address:</b>                | Orillia, Ontario                                                                                                                                                                                                                                                                                                                 |
| <b>Year:</b> 1998/1999              |                                                                                                                                                                                                                                                                                                                                  |
|                                     |                                                                                                                                                                                                                                                                                                                                  |
| <b>Site Listing:</b>                | -No Civic Address Requested                                                                                                                                                                                                                                                                                                      |
|                                     |                                                                                                                                                                                                                                                                                                                                  |
| <b>Adjacent Properties:</b>         |                                                                                                                                                                                                                                                                                                                                  |
|                                     |                                                                                                                                                                                                                                                                                                                                  |
| <b>Kitchener Street (All)</b>       | 6-Multi Tenant Office<br>10-Sunshine Pools<br>-Sunshine Racquet Fitness Club<br>-Storburn Construction<br>14-All Canadian Towing<br>-Timberline Taxi<br>18-Res<br>26-Orillia Form & Fabricating<br>30-Ontario Recyclers<br>32-SA Machine & Tool<br>40-Waste Mgmt Advisory Council                                                |
|                                     |                                                                                                                                                                                                                                                                                                                                  |
| <b>Memorial Avenue (350-600)</b>    | 355-Tim Horton Donuts<br>370-Harvey's<br>380-Super Jay's 2<br>385-Arby's<br>390-Swiss Chalet<br>400-Paisely Moon Rest.<br>405-Midas Muffler & Brake<br>-Kelsey's<br>425-Union Gas<br>450-Orillia Dodge<br>-Dalt's Honda<br>475-Harmac Transportation<br>500-Orillia Co-Op & Gas Bar<br>505-Res<br>555-Leon's<br>600-Simcoe Mazda |
|                                     |                                                                                                                                                                                                                                                                                                                                  |
| <b>Olive Crescent (All)</b>         | -All Residential                                                                                                                                                                                                                                                                                                                 |
|                                     |                                                                                                                                                                                                                                                                                                                                  |

|                                                 |                                                                                                                                                                                                                                   |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Shannon Street (All)</b>                     | -All Residential                                                                                                                                                                                                                  |
|                                                 |                                                                                                                                                                                                                                   |
| <b>Trans Canada Hwy (Hwy 12) (No Addresses)</b> | -Street Not Listed                                                                                                                                                                                                                |
|                                                 |                                                                                                                                                                                                                                   |
| <b>United Drive (All)</b>                       | 1-Standard Auto Glass<br>-Enterprise Rent A Car<br>-First Choice Auto Body<br>35-Grant's Heating<br>-Granco Fuel Terminals<br>45-Huronia Tool & Machine                                                                           |
|                                                 |                                                                                                                                                                                                                                   |
| <b>West Street South (480-End)</b>              | -All Residential<br><br>480-Ministry of Transportation<br>-Garden Rest.<br>495-Martin Rent-All<br>525-Multi Tenant Office<br>575-Multi Tenant Office<br>595-Trombly's Tackle Box<br>601-Trophy Wood Mfg.<br>609-Mayes-Martin Ltd. |

|                                     |                                                                                                                                                                                                                                                                                                                      |
|-------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROJECT NUMBER:</b> 11-1170-0079 |                                                                                                                                                                                                                                                                                                                      |
| <b>Site Address:</b>                | Orillia, Ontario                                                                                                                                                                                                                                                                                                     |
| <b>Year:</b> 1996/1997              |                                                                                                                                                                                                                                                                                                                      |
|                                     |                                                                                                                                                                                                                                                                                                                      |
| <b>Site Listing:</b>                | -No Civic Address Requested                                                                                                                                                                                                                                                                                          |
|                                     |                                                                                                                                                                                                                                                                                                                      |
| <b>Adjacent Properties:</b>         |                                                                                                                                                                                                                                                                                                                      |
|                                     |                                                                                                                                                                                                                                                                                                                      |
| <b>Kitchener Street (All)</b>       | 6-Multi Tenant Office<br>10-Sunshine Pools<br>-Sunshine Racquet Fitness Club<br>-Storburn Construction<br>14-All Canadian Towing<br>-Timberline Taxi<br>24-Roe Gravel<br>26-Orillia Form & Fabricating<br>30-Ontario Recyclers<br>32-SA Machine & Tool<br>34-Brockworth Industries<br>40-Waste Mgmt Advisory Council |
|                                     |                                                                                                                                                                                                                                                                                                                      |
| <b>Memorial Avenue (350-600)</b>    | 355-Tim Horton Donuts                                                                                                                                                                                                                                                                                                |



|                                                 |                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                 | 370-Harvey's<br>380-Super Jay's 2<br>385-Arby's<br>390-Swiss Chalet<br>400-Paisely Moon Rest.<br>405-Midas Muffler & Brake<br>-Kelsey's<br>425-Union Gas<br>450-Orillia Dodge<br>-Dalt's Honda<br>475-Harmac Transportation<br>500-Orillia Co-Op & Gas Bar<br>505-Res<br>555-Leon's<br>600-Simcoe Mazda |
| <b>Olive Crescent (All)</b>                     | -All Residential                                                                                                                                                                                                                                                                                        |
| <b>Shannon Street (All)</b>                     | -All Residential                                                                                                                                                                                                                                                                                        |
| <b>Trans Canada Hwy (Hwy 12) (No Addresses)</b> | -Street Not Listed                                                                                                                                                                                                                                                                                      |
| <b>United Drive (All)</b>                       | 1-Standard Auto Glass<br>2-First Choice Auto Body<br>35-Grant's Heating<br>-Granco Fuel Terminals<br>45-Huron Tool & Machine                                                                                                                                                                            |
| <b>West Street South (480-End)</b>              | -All Residential<br><br>480-Garden Rest.<br>495-Martin Rent-All<br>525-Multi Tenant Office<br>575-Multi Tenant Office<br>595-Trombly's Tackle Box<br>601-Trophy Wood Mfg.<br>609-Mayes-Martin Ltd.                                                                                                      |

|                                     |                             |
|-------------------------------------|-----------------------------|
| <b>PROJECT NUMBER:</b> 11-1170-0079 |                             |
| <b>Site Address:</b>                | Orillia, Ontario            |
| <b>Year:</b> 1986                   |                             |
| <b>Site Listing:</b>                | -No Civic Address Requested |

|                                                 |                                                                                                                                                                                                                                                                                            |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Adjacent Properties:</b>                     |                                                                                                                                                                                                                                                                                            |
|                                                 |                                                                                                                                                                                                                                                                                            |
| <b>Kitchener Street (All)</b>                   | 1-Brian's Woodcrafting<br>3-World Gym<br>6-Multi Tenant Office<br>10-Sunshine Pools<br>- Sunshine Racquet Fitness Club<br>- Knight Construction<br>14-Northern & Central Gas<br>24-Roe Gravel<br>- Central Disposal<br>26-Diverse Blending<br>32-Huronia Fuels<br>34-Brockworth Industries |
|                                                 |                                                                                                                                                                                                                                                                                            |
| <b>Memorial Avenue (350-600)</b>                | 385-Arby's<br>400-Holiday Inn<br>425-IMT Cranes<br>440-Dalt's Chrysler Dodge<br>450-Dalt's Honda<br>475-IMT Cranes<br>500-Orillia Co-Op & Gas Bar<br>505-Trillium Cable Communications                                                                                                     |
|                                                 |                                                                                                                                                                                                                                                                                            |
| <b>Olive Crescent (All)</b>                     | -All Residential                                                                                                                                                                                                                                                                           |
|                                                 |                                                                                                                                                                                                                                                                                            |
| <b>Shannon Street (All)</b>                     | -All Residential                                                                                                                                                                                                                                                                           |
|                                                 |                                                                                                                                                                                                                                                                                            |
| <b>Trans Canada Hwy (Hwy 12) (No Addresses)</b> | -Street Not Listed                                                                                                                                                                                                                                                                         |
|                                                 |                                                                                                                                                                                                                                                                                            |
| <b>United Drive (All)</b>                       | 45-Wide Range Mechanical                                                                                                                                                                                                                                                                   |
|                                                 |                                                                                                                                                                                                                                                                                            |
| <b>West Street South (480-End)</b>              | -All Residential<br><br>480-Brennan Auto Sales<br>495-Martin Rent-All<br>525-Multi Tenant Office<br>580-Four Seasons Variety<br>595-Annis-Way Signs<br>601-Trophy Designs Ltd.<br>609-Mayes-Martin Ltd.                                                                                    |

|                                                 |                                                                                                                                                                                                                             |
|-------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROJECT NUMBER:</b> 11-1170-0079             |                                                                                                                                                                                                                             |
| <b>Site Address:</b>                            | Orillia, Ontario                                                                                                                                                                                                            |
| <b>Year:</b> 1982                               |                                                                                                                                                                                                                             |
|                                                 |                                                                                                                                                                                                                             |
| <b>Site Listing:</b>                            | -No Civic Address Requested                                                                                                                                                                                                 |
|                                                 |                                                                                                                                                                                                                             |
| <b>Adjacent Properties:</b>                     |                                                                                                                                                                                                                             |
|                                                 |                                                                                                                                                                                                                             |
| <b>Kitchener Street (All)</b>                   | 6-Multi Tenant Office<br>10-Sunshine Pools<br>-Sunshine Racquet Fitness Club<br>-Knight Construction<br>24-Simcoe Truck Centre<br>26-Diverse Blending<br>30-Littlejohn Athletic Products<br>34-Intra-Medical Pharmaceutical |
|                                                 |                                                                                                                                                                                                                             |
| <b>Memorial Avenue (350-600)</b>                | 400-Holiday Inn<br>425-Condis Int'l<br>450-Dalt's Honda<br>475-Red Top Equip't<br>500-United Co-Op of Ontario<br>505-Orillia Cable Communications                                                                           |
|                                                 |                                                                                                                                                                                                                             |
| <b>Olive Crescent (All)</b>                     | -All Residential                                                                                                                                                                                                            |
|                                                 |                                                                                                                                                                                                                             |
| <b>Shannon Street (All)</b>                     | -All Residential                                                                                                                                                                                                            |
|                                                 |                                                                                                                                                                                                                             |
| <b>Trans Canada Hwy (Hwy 12) (No Addresses)</b> | -Street Not Listed                                                                                                                                                                                                          |
|                                                 |                                                                                                                                                                                                                             |
| <b>United Drive (All)</b>                       | 45-Grand River Sales                                                                                                                                                                                                        |
|                                                 |                                                                                                                                                                                                                             |
| <b>West Street South (480-End)</b>              | -All Residential<br><br>525-Multi Tenant Office<br>580-Arview Motel & Variety<br>595-Annis-Way Signs<br>601-Trophy Designs Ltd.<br>609-Howard Fuels                                                                         |

|                                                 |                                                                                                                                                                                |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>PROJECT NUMBER:</b> 11-1170-0079             |                                                                                                                                                                                |
| <b>Site Address:</b>                            | Orillia, Ontario                                                                                                                                                               |
| <b>Year:</b> 1976                               |                                                                                                                                                                                |
|                                                 |                                                                                                                                                                                |
| <b>Site Listing:</b>                            | -No Civic Address Requested                                                                                                                                                    |
|                                                 |                                                                                                                                                                                |
| <b>Adjacent Properties:</b>                     |                                                                                                                                                                                |
|                                                 |                                                                                                                                                                                |
| <b>Kitchener Street (All)</b>                   | 6-Sunshine Pools<br>-Knight Construction<br>24-Simcoe Truck Centre<br>26-Stan's Car Care<br>30-Maber Mfg.<br>3-Orillia Ortho Aplncls<br>34-Annis-Way Signs<br>-Good Host Foods |
|                                                 |                                                                                                                                                                                |
| <b>Memorial Avenue (350-600)</b>                | 425-Condis Int'l<br>500-Hogan Ford Sales<br>505-Orillia Cable TV                                                                                                               |
|                                                 |                                                                                                                                                                                |
| <b>Olive Crescent (All)</b>                     | -All Residential                                                                                                                                                               |
|                                                 |                                                                                                                                                                                |
| <b>Shannon Street (All)</b>                     | -All Residential                                                                                                                                                               |
|                                                 |                                                                                                                                                                                |
| <b>Trans Canada Hwy (Hwy 12) (No Addresses)</b> | -Street Not Listed                                                                                                                                                             |
|                                                 |                                                                                                                                                                                |
| <b>United Drive (All)</b>                       | -Street Not Listed                                                                                                                                                             |
|                                                 |                                                                                                                                                                                |
| <b>West Street South (480-End)</b>              | -All Residential<br><br>580-Lakeview Motel & Variety<br>595-Annis-Way Signs<br>601-Trophy Designs Ltd.<br>609-Howard Fuels                                                     |

|                                     |                             |
|-------------------------------------|-----------------------------|
| <b>PROJECT NUMBER:</b> 11-1170-0079 |                             |
| <b>Site Address:</b>                | Orillia, Ontario            |
| <b>Year:</b> 1966                   |                             |
|                                     |                             |
| <b>Site Listing:</b>                | -No Civic Address Requested |
|                                     |                             |
| <b>Adjacent Properties:</b>         |                             |

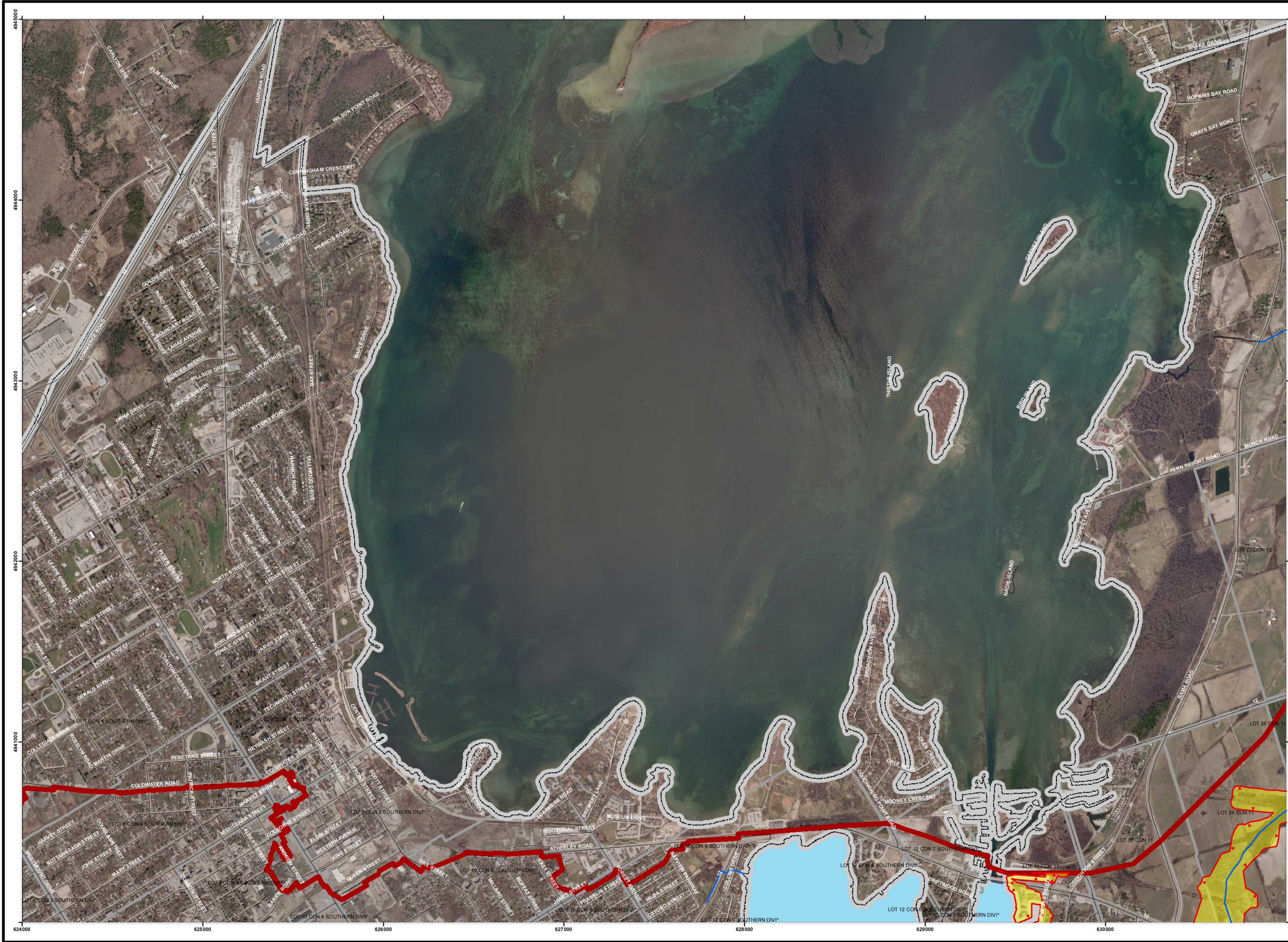
|                                                 |                                                                                                  |
|-------------------------------------------------|--------------------------------------------------------------------------------------------------|
|                                                 |                                                                                                  |
| <b>Kitchener Street (All)</b>                   | -Street Not Listed                                                                               |
|                                                 |                                                                                                  |
| <b>Memorial Avenue (350-600)</b>                | -No Listings Within Radius                                                                       |
|                                                 |                                                                                                  |
| <b>Olive Crescent (All)</b>                     | -All Residential                                                                                 |
|                                                 |                                                                                                  |
| <b>Shannon Street (All)</b>                     | -All Residential                                                                                 |
|                                                 |                                                                                                  |
| <b>Trans Canada Hwy (Hwy 12) (No Addresses)</b> | -Street Not Listed                                                                               |
|                                                 |                                                                                                  |
| <b>United Drive (All)</b>                       | -Street Not Listed                                                                               |
|                                                 |                                                                                                  |
| <b>West Street South (480-End)</b>              | -All Residential<br><br>595-Annis-Way Signs<br>601-Trophy Designs Ltd.<br>609-Nichols Shell Prod |

|                                                 |                             |
|-------------------------------------------------|-----------------------------|
| <b>PROJECT NUMBER:</b> 11-1170-0079             |                             |
| <b>Site Address:</b>                            | Orillia, Ontario            |
| <b>Year:</b> 1961                               |                             |
|                                                 |                             |
| <b>Site Listing:</b>                            | -No Civic Address Requested |
|                                                 |                             |
| <b>Adjacent Properties:</b>                     |                             |
|                                                 |                             |
| <b>Kitchener Street (All)</b>                   | -Street Not Listed          |
|                                                 |                             |
| <b>Memorial Avenue (350-600)</b>                | -No Listings Within Radius  |
|                                                 |                             |
| <b>Olive Crescent (All)</b>                     | -All Residential            |
|                                                 |                             |
| <b>Shannon Street (All)</b>                     | -All Residential            |
|                                                 |                             |
| <b>Trans Canada Hwy (Hwy 12) (No Addresses)</b> | -Street Not Listed          |
|                                                 |                             |
| <b>United Drive (All)</b>                       | -Street Not Listed          |
|                                                 |                             |
| <b>West Street South (480-End)</b>              | -All Residential            |



***\*\*Orillia, Ontario is listed from 1961 to 1999 within the city directory archives\*\****



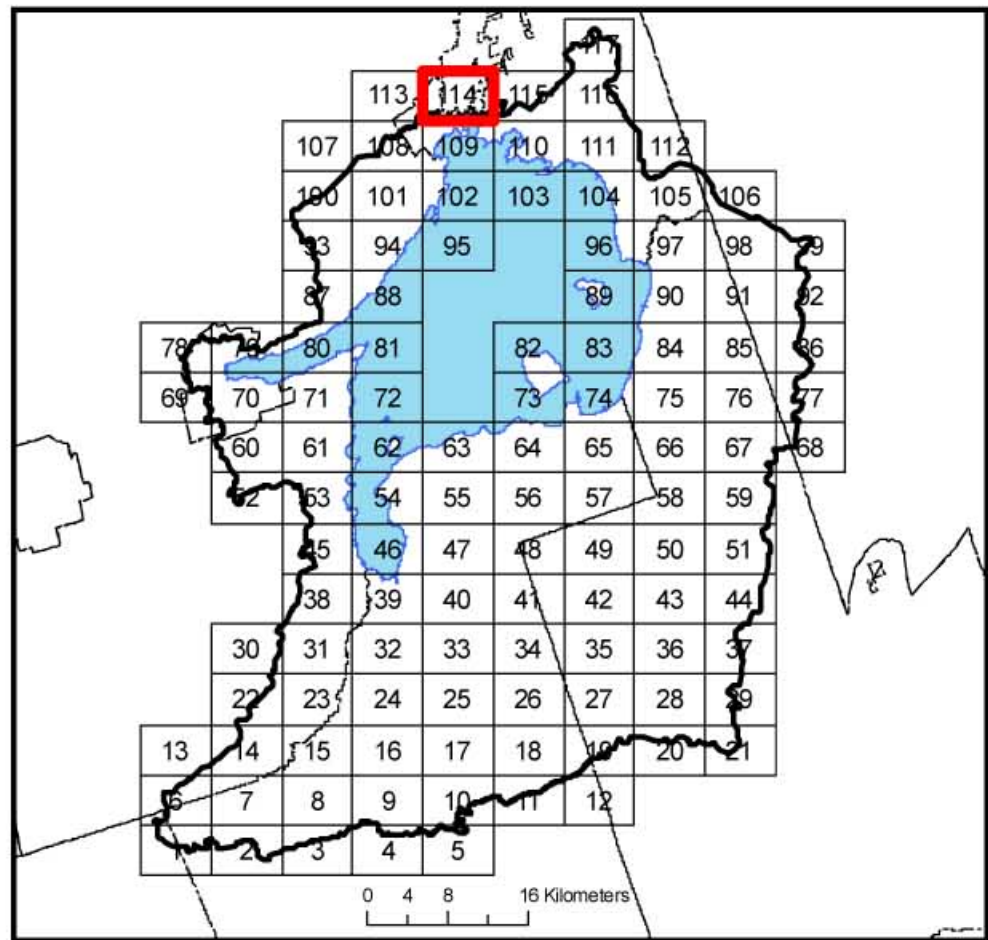


Lake Simcoe  
Region  
Conservation  
Authority



Legend

- WATERCOURSE
- ROAD
- REGULATION AREA
- LOT\_CONCESSION
- LSRCA JURISDICTION
- MUNICIPAL BOUNDARY
- LAKE SIMCOE



|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                            |                    |                            |              |  |  |  |  |  |                                                             |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |  |  |  |  |  |  |   |                                    |             |                            |    |   |                                                                                                                                  |                    |                       |    |   |                                                                                                                                                                                                                                                                            |                |                       |    |  |  |  |          |    |  |  |  |       |              |     |           |      |            |    |                                                                                                                                                                                                                                    |  |  |  |  |  |  |  |  |  |                                           |  |  |  |  |  |  |  |  |  |
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| <p>THIS PRODUCT WAS PRODUCED BY THE LAKE SIMCOE REGION CONSERVATION AUTHORITY AND SOME INFORMATION DEPICTED ON THIS MAP MAY HAVE BEEN COMPILED FROM VARIOUS SOURCES. WHILE EVERY EFFORT HAS BEEN MADE TO ACCURATELY DEPICT THE INFORMATION, DATA/MAPPING ERRORS MAY EXIST. THIS MAP WAS PRODUCED FOR ILLUSTRATIVE PURPOSES ONLY. © LAKE SIMCOE REGION CONSERVATION AUTHORITY, 2009. ALL RIGHTS RESERVED. THE FOLLOWING DATA SETS OF MUNICIPAL BOUNDARY, LOT, CONCESSION ARE © QUEEN'S PRINTER FOR ONTARIO (2009). REPRODUCED WITH PERMISSION. © J.D. BARNES LIMITED, 2002 ORTHOPHOTOGRAPHY © J.D. BARNES LIMITED, 2007 ORTHOPHOTOGRAPHY © J.D. BARNES LIMITED, 2008 ORTHOPHOTOGRAPHY</p> <p>RIVERINE HAZARDS WERE BASED ON EXISTING FLOOD PLAIN MAPPING. FLOOD PLAIN LIMITS WHERE ENGINEERING PRODUCTS DID NOT EXIST WERE DETERMINED BY LSRCA STAFF. RIVERINE EROSION HAZARDS WERE DETERMINED BY LSRCA STAFF. A 15-METER SETBACK WAS APPLIED FROM THE LIMITS OF ALL RIVERINE HAZARDS. SHORELINE FLOOD HAZARDS WERE DETERMINED BY LSRCA STAFF BY APPLYING THE EQUATIONS PREVIOUSLY DEVELOPED THROUGH AN ENGINEERING STUDY. SHORELINE EROSION HAZARDS WERE DETERMINED BY LSRCA STAFF.</p> <p>WETLANDS WERE DELINEATED BY LSRCA STAFF USING THE ECOLOGICAL LAND CLASSIFICATION (ELC) SYSTEM AND BY THE MINISTRY OF NATURAL RESOURCES. SETBACKS OF 100M FROM PROVINCIAL SIGNIFICANT WETLANDS (PSW) AND 30-M FROM ALL OTHER WETLANDS WERE APPLIED. MEANDERBELT WIDTHS WERE CALCULATED AS 20 TIMES THE BANKFULL WIDTHS ESTIMATED FROM THE CORRESPONDING DRAINAGE AREAS. PLEASE REFER TO "REFERENCE MANUAL FOR DETERMINATION OF REGULATION LIMITS" (LSRCA, 2005) OR CONTACT LSRCA (905-895-1291) FOR MORE INFORMATION</p> |                                                                                                                                                                                                                                                                            |                    |                            |              |  |  |  |  |  | <p>1:10,000</p> <p>0 0.25 0.5 1 1.5 2</p> <p>Kilometers</p> |  |  |  |  |  |  |  |  |  | <table><tr><td>0</td><td>ONTARIO REGULATION 179/06 APPROVED</td><td>MAY 8, 2006</td><td>CHECKED - NATURAL HERITAGE</td><td>KB</td></tr><tr><td>1</td><td>Mapping revisions to the regulation limit have been completed as referenced in the document "Regulation Limit Changes, May 2007"</td><td>SEPTEMBER 28, 2007</td><td>CHECKED - REGULATIONS</td><td>JP</td></tr><tr><td>2</td><td>Mapping revisions to the regulation limit have been completed as referenced in the document "Regulation Limit Changes, April 2009". Ortho imagery changed to reflect most recent imagery available. Map date disclaimer changed to reflect most current disclaimer in use.</td><td>APRIL 24, 2009</td><td>CHECKED - ENGINEERING</td><td>JP</td></tr><tr><td></td><td></td><td></td><td>APPROVED</td><td>TH</td></tr><tr><td></td><td></td><td></td><td>DATE:</td><td>JANUARY 2006</td></tr><tr><td>NO.</td><td>REVISIONS</td><td>DATE</td><td>MAPPED BY:</td><td>JB</td></tr></table> |  |  |  |  |  |  |  |  |  | 0 | ONTARIO REGULATION 179/06 APPROVED | MAY 8, 2006 | CHECKED - NATURAL HERITAGE | KB | 1 | Mapping revisions to the regulation limit have been completed as referenced in the document "Regulation Limit Changes, May 2007" | SEPTEMBER 28, 2007 | CHECKED - REGULATIONS | JP | 2 | Mapping revisions to the regulation limit have been completed as referenced in the document "Regulation Limit Changes, April 2009". Ortho imagery changed to reflect most recent imagery available. Map date disclaimer changed to reflect most current disclaimer in use. | APRIL 24, 2009 | CHECKED - ENGINEERING | JP |  |  |  | APPROVED | TH |  |  |  | DATE: | JANUARY 2006 | NO. | REVISIONS | DATE | MAPPED BY: | JB | <p>(ONTARIO REGULATION 97/04)</p> <p>REGULATION OF DEVELOPMENT, INTERFERENCE WITH WETLANDS AND ALTERATIONS TO SHORELINES AND WATERCOURSES.</p> <p>ONTARIO REGULATION 179/06</p> <p>PLOT DATE: APRIL 2009</p> <p>FILE LOCATION:</p> |  |  |  |  |  |  |  |  |  | <p>SHEET NO.</p> <p>114</p> <p>OF 117</p> |  |  |  |  |  |  |  |  |  |
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# **APPENDIX D**

## **EcoLog ERIS Report**



# Canada's Primary Environmental Risk Information Service

**Project Site:** Historical Landfill Sites Orillia  
Highway 12  
Orillia, ON

**Client:** Tamara Zunti  
Golder Associates Ltd.  
100 Scotia Court  
Whitby, ON L1N8Y6

**ERIS Project No:** 20120322017

**Report Type:** Custom Report - .25km Search Radius

**Prepared By:** Matt Thompson  
[mthompson@eris.ca](mailto:mthompson@eris.ca)

**Date:** March 30, 2012

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Site Address: Highway 12 Orillia, ON  
Report Type: Custom Report, 0.25 km Search Radius

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|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>Report Summary</b><br><i>This outlines the number of records from each database that fall on the site, and within various distances from the site.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>i</b>              |
| <b>Site Diagram</b><br><i>The records that were found within a specified distance from the project property (the primary search radius) have been plotted on a diagram to provide you with a visual representation of the information available. Sites will be plotted on the diagram if there is sufficient information from the database source to determine accurate geographic coordinates. Each plotted site is marked with an acronym identifying the database in which the record was found (i.e., WDS for Waste Disposal Sites). These are referred to as "Map Keys". A variety of problems are inherent when attempting to associate various government or private source records with locations. EcoLog ERIS has attempted to make the best fit possible between the available data and their positions on the site diagram.</i> | <b>ii</b>             |
| <b>Site Profile</b><br><i>This table describes the records that relate directly to the property that is being researched.</i>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>iii</b>            |
| <b>Detail Report</b><br><i>This section represents information, by database, for the records found within the primary search radius. Listed at the end of each database are the sites that could not be plotted on the locator diagram because of insufficient address information. These records will not have map keys. They have been included because they may be found to be relevant during a more detailed investigation.</i>                                                                                                                                                                                                                                                                                                                                                                                                       | <b>iv</b>             |

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| Landfill Inventory Management Ontario                         | <b>31</b>          |
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| Waste Disposal Sites - MOE 1991 Historical Approval Inventory | <b>78</b>          |
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Appendix: Database Descriptions

## Report Summary

Order Number: 20120322017  
 Site Name: Historical Landfill Sites Orillia  
 Site Address: Highway 12 Orillia, ON  
 Report Type: Custom Report, 0.25 km Search Radius

### Number of Mappable Records Surrounding the Site

| Database | Selected                                                  | On-site | Within 0.25 | 0.25km to 0.25km | Total |
|----------|-----------------------------------------------------------|---------|-------------|------------------|-------|
| AAGR     | Abandoned Aggregate Inventory                             | Y       | 0           | 0                | 0     |
| AGR      | Aggregate Inventory                                       | Y       | 0           | 0                | 0     |
| AMIS     | Abandoned Mine Information System                         | Y       | 0           | 0                | 0     |
| ANDR     | Anderson's Waste Disposal Sites                           | Y       | 4           | 5                | 5     |
| AUWR     | Automobile Wrecking & Supplies                            | Y       | 0           | 1                | 1     |
| BORE     | Borehole                                                  | Y       | 0           | 0                | 0     |
| CA       | Certificates of Approval                                  | Y       | 4           | 10               | 10    |
| CFOT     | Commercial Fuel Oil Tanks                                 | Y       | 0           | 0                | 0     |
| CHEM     | Chemical Register                                         | Y       | 0           | 0                | 0     |
| COAL     | Coal Gasification Plants                                  | Y       | 0           | 0                | 0     |
| CONV     | Compliance and Convictions                                | Y       | 0           | 1                | 1     |
| CPU      | Certificates of Property Use                              | Y       | 0           | 0                | 0     |
| DRL      | Drill Hole Database                                       | Y       | 0           | 0                | 0     |
| EASR     | Environmental Activity and Sector Registry                | Y       | 0           | 0                | 0     |
| EBR      | Environmental Registry                                    | Y       | 1           | 7                | 7     |
| ECA      | Environmental Compliance Approval                         | Y       | 0           | 0                | 0     |
| EEM      | Environmental Effects Monitoring                          | Y       | 0           | 0                | 0     |
| EHS      | ERIS Historical Searches                                  | Y       | 0           | 6                | 6     |
| EIIS     | Environmental Issues Information System                   | Y       | 0           | 0                | 0     |
| EXP      | List of TSSA Expired Facilities                           | Y       | 0           | 25               | 25    |
| FCON     | Federal Convictions                                       | Y       | 0           | 0                | 0     |
| FCS      | Contaminated Sites on Federal Land                        | Y       | 0           | 0                | 0     |
| FOFT     | Fisheries & Oceans Fuel Storage Tanks                     | Y       | 0           | 0                | 0     |
| FST      | Fuel Storage Tank                                         | Y       | 0           | 7                | 7     |
| GEN      | Ontario Regulation 347 Waste Generators Summary           | Y       | 10          | 42               | 42    |
| HINC     | TSSA Historic Incidents                                   | Y       | 1           | 2                | 2     |
| IAFT     | Indian & Northern Affairs Fuel Tanks                      | Y       | 0           | 0                | 0     |
| INC      | TSSA Incidents                                            | Y       | 0           | 0                | 0     |
| LIMO     | Landfill Inventory Management Ontario                     | Y       | 1           | 1                | 1     |
| MINE     | Canadian Mine Locations                                   | Y       | 0           | 0                | 0     |
| MNR      | Mineral Occurrences                                       | Y       | 0           | 0                | 0     |
| NATE     | National Analysis of Trends in Emergencies System (NATES) | Y       | 0           | 0                | 0     |
| NCPL     | Non-Compliance Reports                                    | Y       | 0           | 0                | 0     |
| NDFT     | National Defence & Canadian Forces Fuel Storage Tanks     | Y       | 0           | 0                | 0     |
| NDSP     | National Defence & Canadian Forces Spills                 | Y       | 0           | 0                | 0     |
| NDWD     | National Defence & Canadian Forces Waste Disposal Sites   | Y       | 0           | 0                | 0     |
| NEES     | National Environmental Emergencies System (NEES)          | Y       | 0           | 1                | 1     |
| NPCB     | National PCB Inventory                                    | Y       | 0           | 0                | 0     |
| NPRI     | National Pollutant Release Inventory                      | Y       | 0           | 0                | 0     |
| OGW      | Oil and Gas Wells                                         | Y       | 0           | 0                | 0     |
| OOGW     | Ontario Oil and Gas Wells                                 | Y       | 0           | 0                | 0     |
| OPCB     | Inventory of PCB Storage Sites                            | Y       | 0           | 0                | 0     |



## Report Summary

Order Number: 20120322017  
Site Name: Historical Landfill Sites Orillia  
Site Address: Highway 12 Orillia, ON  
Report Type: Custom Report, 0.25 km Search Radius

| Database |                                                               | Selected | On-site | Within 0.25 | 0.25km to 0.25km | Total |
|----------|---------------------------------------------------------------|----------|---------|-------------|------------------|-------|
| ORD      | Orders                                                        | 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       | 6           | 0                | 6     |
| PINC     | TSSA Pipeline Incidents                                       | Y        | 0       | 0           | 0                | 0     |
| PRT      | Private and Retail Fuel Storage Tanks                         | Y        | 0       | 8           | 0                | 8     |
| PTTW     | Permit to Take Water                                          | Y        | 0       | 0           | 0                | 0     |
| REC      | Ontario Regulation 347 Waste Receivers Summary                | Y        | 1       | 1           | 0                | 1     |
| RSC      | Record of Site Condition                                      | Y        | 0       | 0           | 0                | 0     |
| RST      | Retail Fuel Storage Tanks                                     | Y        | 0       | 8           | 0                | 8     |
| SCT      | Scott's Manufacturing Directory                               | Y        | 1       | 12          | 0                | 12    |
| SPL      | Ontario Spills                                                | Y        | 26      | 32          | 0                | 32    |
| 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     |
| VAR      | Variances for Abandonment of Underground Storage Tanks        | Y        | 0       | 0           | 0                | 0     |
| WDS      | Waste Disposal Sites - MOE CA Inventory                       | Y        | 4       | 10          | 0                | 10    |
| WDSH     | Waste Disposal Sites - MOE 1991 Historical Approval Inventory | Y        | 1       | 1           | 0                | 1     |
| WWIS     | Water Well Information System                                 | Y        | 9       | 17          | 0                | 17    |
| TOTAL    |                                                               |          | 63      | 203         | 0                | 203   |

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.



Pinpointing Your Environmental Risks

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

Project Property: Historical Landfill Sites Orillia  
Highway 12  
Orillia, ON

ERIS Project #: 20120322017

Date: MAR-30-2012

#### LEGEND

Project Property

Database Location

#### Points of Interest

Chimney

Silo

#### Pipe & Transmission Lines

Pipeline

Transmission Line

Transmission Tower

Transformer Station

#### Rail

Railway - Main

Railway - Sidetrack

Railway - Abandoned

Bridge

Tunnel

#### Transportation - Other

Embankment

Trail

Runway

#### Hydrographic Features

Permanent Waterway

Intermittent Waterway

Open Reservoir

Dyke/Levee

Dam

Breakwall

Wetland

#### Landuse Classifications

Open Area

Residential

Commercial

Resource and Industrial

Government and Institutional

Parks and Recreational

Waterbody

#### Recreation

Golf Course/Driving Range

Park/Sports Field

Other Recreation Area

Sports/Race Track

Cemetery

Campground

#### Vegetation

Wooded Area

Orchard

Vineyard

#### Industrial Resources

Conveyor

Crane: Moveable

Crane: Stationary

Tank

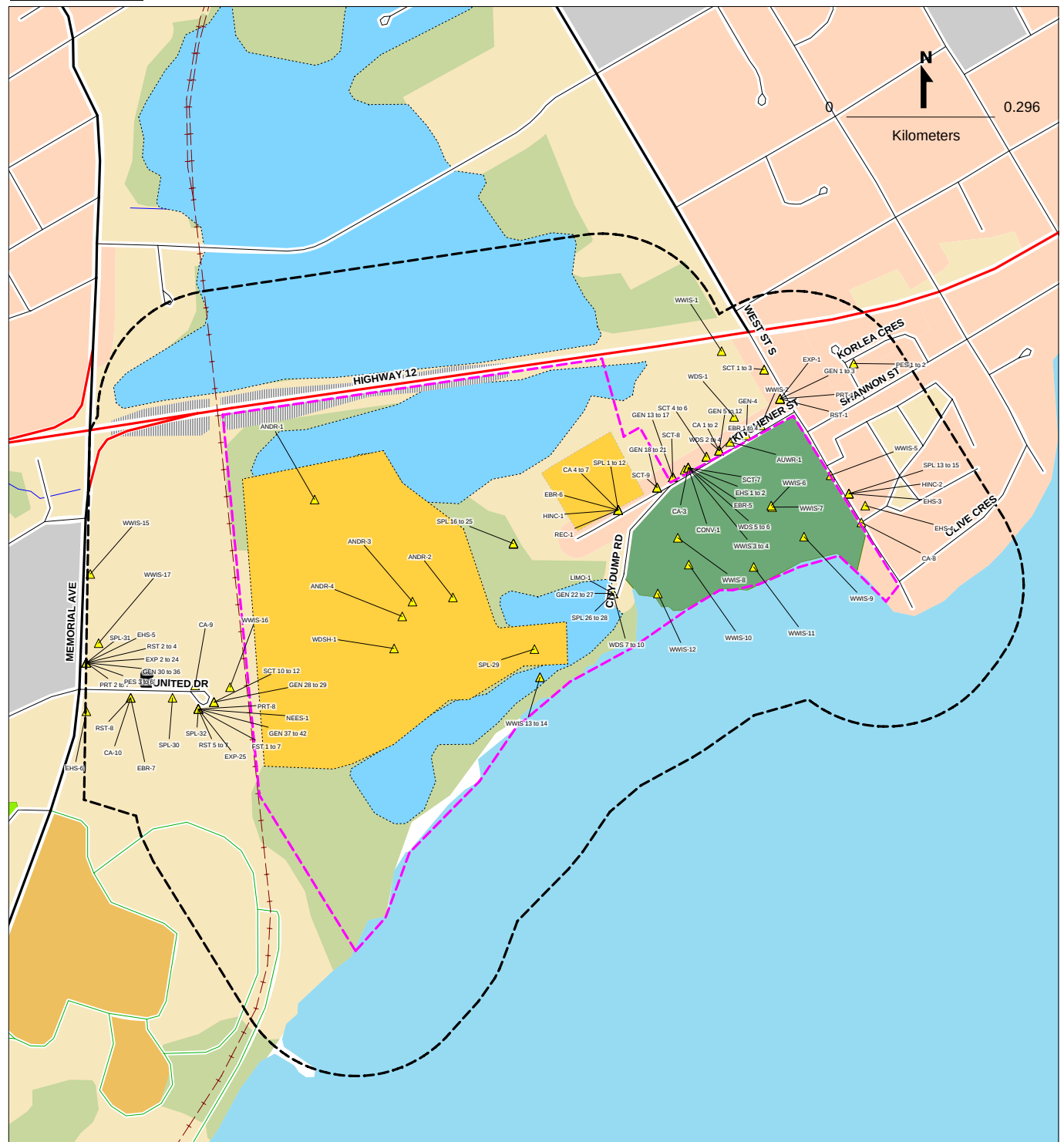
Rock Cut

Auto Wrecker

Lumber Yard

Pit

## SITE DIAGRAM



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

# Site Report

Order Number: 20120322017  
 Site Name: Historical Landfill Sites Orillia  
 Site Address: Highway 12 Orillia, ON  
 Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

## Ontario Regulation 347 Waste Receivers Summary

| Map Key | Company Name     | Address                                              | City    | Postal Code |
|---------|------------------|------------------------------------------------------|---------|-------------|
| REC-1   | ORILLIA, CITY OF | WATER POLLUTION CONTROL PLANT<br>40 KITCHENER STREET | ORILLIA | L3V 6Z9     |

## TSSA Historic Incidents

| Map Key | Company Name | Address             | City    | Postal Code |
|---------|--------------|---------------------|---------|-------------|
| HINC-1  |              | 40 KITCHENER STREET | ORILLIA |             |

## Ontario Spills

| Map Key | Company Name                           | Address                                      | City         | Postal Code |
|---------|----------------------------------------|----------------------------------------------|--------------|-------------|
| SPL-1   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-2   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-3   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-4   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-5   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      |             |
| SPL-6   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-7   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      |             |
| SPL-8   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-9   | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-10  | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-11  | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-12  | The Corporation of the City of Orillia | 40 Kitchener St                              | Orillia      | L3V 6Z9     |
| SPL-16  | ORILLIA PUC                            | LAKE SIMCOE<br>ORILLIA WPCP KITCHENER STREET | ORILLIA CITY |             |
| SPL-17  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET                | ORILLIA CITY |             |
| SPL-18  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET                | ORILLIA CITY |             |
| SPL-19  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET                | ORILLIA CITY |             |

# Site Report

Order Number: 20120322017  
 Site Name: Historical Landfill Sites Orillia  
 Site Address: Highway 12 Orillia, ON  
 Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

| Map Key | Company Name                           | Address                       | City         | Postal Code |
|---------|----------------------------------------|-------------------------------|--------------|-------------|
| SPL-20  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET | ORILLIA CITY |             |
| SPL-21  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET | ORILLIA CITY |             |
| SPL-22  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET | ORILLIA CITY |             |
| SPL-23  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET | ORILLIA CITY |             |
| SPL-24  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET | ORILLIA CITY |             |
| SPL-25  | ORILLIA PUC                            | ORILLIA WPCP KITCHENER STREET | ORILLIA CITY |             |
| SPL-26  | The Corporation of the City of Orillia | 100 Kitchener St              | Orillia      |             |
| SPL-27  | The Corporation of the City of Orillia | 100 Kitchener St              | Orillia      |             |
| SPL-28  | The Corporation of the City of Orillia | LOTS 11 & 12, CONC. 4         | Orillia      |             |
| SPL-29  | The Corporation of the City of Orillia | 100 Kitchener St              | Orillia      |             |

## Anderson's Waste Disposal Sites

| Map Key | Company Name                     | Address | City    | Postal Code |
|---------|----------------------------------|---------|---------|-------------|
| ANDR-1  | Kitchener St Dump '10 (alt)      |         | Orillia | L3V 6Z9     |
| ANDR-2  | Kitchener St Dump '01 1976       |         | Orillia | L3V 6Z9     |
| ANDR-3  | Kitchener St Dump '01 1976       |         | Orillia | L3V 6Z9     |
| ANDR-4  | Kitchener St Dump '01 (official) |         | Orillia | L3V 6Z9     |

## Certificates of Approval

| Map Key | Company Name                           | Address             | City    | Postal Code |
|---------|----------------------------------------|---------------------|---------|-------------|
| CA-4    | The Corporation of the City of Orillia | 40 Kitchener Street | Orillia |             |
| CA-5    | The Corporation of the City of Orillia | 40 Kitchener St     | Orillia |             |
| CA-6    | The Corporation of the City of Orillia | 40 Kitchener St     | Orillia |             |



# Site Report

Order Number: 20120322017  
 Site Name: Historical Landfill Sites Orillia  
 Site Address: Highway 12 Orillia, ON  
 Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

| Map Key                                                                     | Company Name                                             | Address                                                | City    | Postal Code |
|-----------------------------------------------------------------------------|----------------------------------------------------------|--------------------------------------------------------|---------|-------------|
| CA-7                                                                        | The Corporation of the City of Orillia                   | 40 Kitchener Street                                    | Orillia |             |
| <b><u>Ontario Regulation 347 Waste Generators Summary</u></b>               |                                                          |                                                        |         |             |
| Map Key                                                                     | Company Name                                             | Address                                                | City    | Postal Code |
| GEN-18                                                                      | BROCKWORTH INDUSTRIES LIMITED                            | 34 KITCHENER STREET                                    | ORILLIA | L3V 6Z9     |
| GEN-19                                                                      | BROCKWORTH INDUSTRIES 06-203                             | 34 KITCHENER ST.                                       | ORILLIA | L3V 6Z9     |
| GEN-20                                                                      | BROCKWORTH INDUSTRIES                                    | 34 KITCHENER STREET                                    | ORILLIA | L3V 6Z9     |
| GEN-21                                                                      | BROCKWORTH INDUSTRIES                                    | 34 KITCHENER ST.                                       | ORILLIA | L3V 6Z9     |
| GEN-22                                                                      | ORILLIA, CORPORATION OF THE CITY OF                      | ORILLIA WASTE DIVERSION SITE<br>100 KITCHENER STREET   | ORILLIA | L3V 6Z9     |
| GEN-23                                                                      | ORILLIA, CORP. OF THE CITY OF                            | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER ST.    | ORILLIA | L3V 6J1     |
| GEN-24                                                                      | ORILLIA, CORP. OF THE CITY OF                            | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER STREET | ORILLIA |             |
| GEN-25                                                                      | ORILLIA, CORPORATION OF THE CITY OF                      | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER STREET | ORILLIA |             |
| GEN-26                                                                      | ORILLIA, CORP. OF THE CITY OF 29-516                     | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER STREET | ORILLIA |             |
| GEN-27                                                                      | ORILLIA, CORPORATION OF THE CITY OF<br>Public Works Dept | ORILLIA WASTE DIVERSION SITE<br>100 KITCHENER STREET   | ORILLIA | L3V 6Z9     |
| <b><u>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</u></b> |                                                          |                                                        |         |             |
| Map Key                                                                     | Company Name                                             | Address                                                | City    | Postal Code |
| WDSH-1                                                                      |                                                          | PT 11-12<br>4                                          | ORILLIA |             |
| <b><u>Waste Disposal Sites - MOE CA Inventory</u></b>                       |                                                          |                                                        |         |             |
| Map Key                                                                     | Company Name                                             | Address                                                | City    | Postal Code |

## Site Report

Order Number: 20120322017  
Site Name: Historical Landfill Sites Orillia  
Site Address: Highway 12 Orillia, ON  
Report Type: Custom Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

| Map Key                                             | Company Name                           | Address                                       | City            | Postal Code |
|-----------------------------------------------------|----------------------------------------|-----------------------------------------------|-----------------|-------------|
| WDS-7                                               |                                        | 100 Kitchener Street<br>Lots 11 & 12, Conc. 4 | Orillia         |             |
| WDS-8                                               | The Corporation of the City of Orillia | 100 Kitchener Street                          | Orillia         |             |
| WDS-9                                               | The Corporation of the City of Orillia | 100 Kitchener Street                          | Orillia         |             |
| WDS-10                                              | The Corporation of the City of Orillia | 100 Kitchener St Lot 11 & 12, Concession 4    | Orillia         |             |
| <b><u>Water Well Information System</u></b>         |                                        |                                               |                 |             |
| Map Key                                             | Company Name                           | Address                                       | City            | Postal Code |
| WWIS-6                                              |                                        |                                               |                 |             |
| WWIS-7                                              |                                        |                                               | ORILLIA         |             |
|                                                     |                                        | lot 12 con 4                                  |                 |             |
| WWIS-8                                              |                                        |                                               | ORILLIA         |             |
| WWIS-9                                              |                                        |                                               |                 |             |
| WWIS-10                                             |                                        |                                               |                 |             |
| WWIS-11                                             |                                        |                                               |                 |             |
| WWIS-12                                             |                                        |                                               |                 |             |
| WWIS-13                                             |                                        |                                               | Orillia         |             |
| WWIS-14                                             |                                        |                                               |                 |             |
| <b><u>Landfill Inventory Management Ontario</u></b> |                                        |                                               |                 |             |
| Map Key                                             | Company Name                           | Address                                       | City            | Postal Code |
| LIMO-1                                              | The Corporation of the City of Orillia | 100 Kitchener Street; Lot 11-12, Conc 4       | City of Orillia |             |
| <b><u>Scott's Manufacturing Directory</u></b>       |                                        |                                               |                 |             |
| Map Key                                             | Company Name                           | Address                                       | City            | Postal Code |
| SCT-9                                               | BROCKWORTH INDUSTRIES LIMITED          | 34 KITCHENER ST                               | ORILLIA         | L3V 6Z9     |
| <b><u>Environmental Registry</u></b>                |                                        |                                               |                 |             |
| Map Key                                             | Company Name                           | Address                                       | City            | Postal Code |
| EBR-6                                               | The Corporation of the City of Orillia | 40 Kitchener Street                           | Orillia         |             |

## Detail Report

Order Number: 20120322017  
Site Name: Historical Landfill Sites Orillia  
Site Address: Highway 12 Orillia ON  
Report Type: Custom Report, 0.25 km Search Radius

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

Anderson's Waste Disposal Sites  
Automobile Wrecking & Supplies  
Certificates of Approval  
Compliance and Convictions  
Environmental Registry  
ERIS Historical Searches  
List of TSSA Expired Facilities  
Fuel Storage Tank  
Ontario Regulation 347 Waste Generators Summary  
TSSA Historic Incidents  
Landfill Inventory Management Ontario  
National Analysis of Trends in Emergencies System (NATES)  
National Environmental Emergencies System (NEES)  
Pesticide Register  
Private and Retail Fuel Storage Tanks  
Ontario Regulation 347 Waste Receivers Summary  
Retail Fuel Storage Tanks  
Scott's Manufacturing Directory  
Ontario Spills  
Waste Disposal Sites - MOE CA Inventory  
Waste Disposal Sites - MOE 1991 Historical Approval Inventory  
Water Well Information System

## Anderson's Waste Disposal Sites

| Map Key | Name                                                  | Facility | Location                                                                                                                                       | City/Town | Known Active Decade | Reference #       |
|---------|-------------------------------------------------------|----------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|-------------------|
| ANDR-1  | Kitchener St Dump '10 (alt)<br><b>Related Site(s)</b> | Dump     | Kitchener St; wooded swampy area 250m S of Highway 12, 100m N of marked dump area, 225m E of CNR R-O-W, 650m W of the end of Kitchener St*     | Orillia   | 1960s               | MOEE 4110 alt     |
| ANDR-2  | Kitchener St Dump '01 1976<br><b>Related Site(s)</b>  | Dump     | approx. 450m S of Highway 12, 325m E of CNR R-O-W, at W end of 600m spur road leading from western end of Kitchener St*, W of filtration plant | Orillia   | 1970s               | MOEE a250601 1976 |
| ANDR-3  | Kitchener St Dump '01 1976<br><b>Related Site(s)</b>  | Dump     | marsh, shores of Lake Simcoe, S of Highway 12                                                                                                  | Orillia   | 1960s, 1970s        | MOEE a250601 1976 |



Anderson's Waste Disposal Sites

| Map Key | Name                                                | Facility | Location                                                                                                                                                | City/Town | Known Active Decade | Reference #  |
|---------|-----------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------|--------------|
|         | Related Site(s)                                     |          |                                                                                                                                                         |           |                     |              |
| ANDR-4  | Kitchener St Dump '01 (official)<br>Related Site(s) | Dump     | approx. 450m S of Highway 12, 325m E of<br>CNR R-O-W, at W end of 600m spur road<br>leading from western end of Kitchener St*,<br>W of filtration plant | Orillia   | 1970s, 1980s, 1990s | MOEE a250601 |
| ANDR-5  | Kitchener St Dump '10 (official)<br>Related Site(s) | Dump     | cleared area 400m E of 3rd<br>Concession/Woodland Ave*, 960m to<br>CNR ROW,                                                                             | Orillia   | 1960s               | MOEE 4110    |

Automobile Wrecking & Supplies

| Map Key | Company       | Address                               | Facility     | Description |
|---------|---------------|---------------------------------------|--------------|-------------|
| AUWR-1  | F M RECYCLING | 18 KITCHENER ST<br>ORILLIA<br>L3V 6Z9 | SCRAP METALS |             |

## Certificates of Approval

| Map Key | Company                                  | Address                                        | Certificate #                                                                                                                                                                                                                             | Application Year | Issue Date | Approval Type                      | Status                  | Application Type |
|---------|------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------------------------|-------------------------|------------------|
| CA-1    | DOUG ROE ENTERPRISES LIMITED             | 24 KITCHENER STREET<br>ORILLIA CITY<br>L3V 6Z9 | 8-1023-97-                                                                                                                                                                                                                                | 97               | 4/3/1997   | Industrial air                     | Approved                |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b> RECYCLING EMPTY AEROSOLS<br><b>Contaminants:</b> Dimethyl Ether<br><b>Emission Control:</b> No Controls |                  |            |                                    |                         |                  |
| CA-2    | Doug Roe Enterprises Limited             | 24 Kitchener Street<br>Orillia<br>L3V 6Z9      | A840222                                                                                                                                                                                                                                   | 2002             | 9/5/2002   | Waste Management Systems           | Approved                |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b>                                                     |                  |            |                                    |                         |                  |
| CA-3    | 948386 ONTARIO LTD.,<br>ONTARIO RECYCLER | 30 KITCHEN ST., PT.LOT 12<br>ORILLIA CITY      | 8-1084-97-                                                                                                                                                                                                                                | 97               | 4/14/1997  | Industrial air                     | Approved                |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b> EXH.FOR A 200 HP GASOLINE POWERED ENGINE<br><b>Contaminants:</b><br><b>Emission Control:</b>            |                  |            |                                    |                         |                  |
| CA-4    | The Corporation of the City of Orillia   | 40 Kitchener Street<br>Orillia                 | 4843-6AJHYB                                                                                                                                                                                                                               | 2005             | 3/23/2005  | Municipal and Private Sewage Works | Revoked and/or Replaced |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b>                                                     |                  |            |                                    |                         |                  |

## Certificates of Approval

| Map Key | Company                                | Address                                | Certificate #                                                                                                                                                                         | Application Year | Issue Date | Approval Type                         | Status                  | Application Type |
|---------|----------------------------------------|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|---------------------------------------|-------------------------|------------------|
| CA-5    | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia             | 4402-8L7PWT                                                                                                                                                                           | 2011             | 8/31/2011  | Air                                   | Approved                |                  |
|         |                                        |                                        | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                                       |                         |                  |
| CA-6    | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia             | 0286-758MW6                                                                                                                                                                           | 2007             | 7/25/2007  | Municipal and Private<br>Sewage Works | Approved                |                  |
|         |                                        |                                        | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                                       |                         |                  |
| CA-7    | The Corporation of the City of Orillia | 40 Kitchener Street<br>Orillia         | 0844-5ZKQE9                                                                                                                                                                           | 2004             | 6/14/2004  | Municipal and Private<br>Sewage Works | Revoked and/or Replaced |                  |
|         |                                        |                                        | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                                       |                         |                  |
| CA-8    | ORILLIA CITY                           | OLIVE CRES./WEST ST. S<br>ORILLIA CITY | 3-0306-92-                                                                                                                                                                            | 92               | 4/23/1992  | Municipal sewage                      | Approved                |                  |
|         |                                        |                                        | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                                       |                         |                  |



## Certificates of Approval

| Map Key | Company                                 | Address                                         | Certificate #                                                                                                                                                                                                                                                                                                                      | Application Year | Issue Date | Approval Type    | Status           | Application Type |
|---------|-----------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------|------------------|------------------|
| CA-9    | BARRWOOD DEVELOPMENT LTD.               | SWM-40 UNITED AVENUE<br>ORILLIA CITY<br>L3V 6H1 | 3-1782-97-                                                                                                                                                                                                                                                                                                                         | 97               | 12/22/1997 | Municipal sewage | Approved         |                  |
|         |                                         |                                                 | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b>                                                                                                                                              |                  |            |                  |                  |                  |
| CA-10   | JIM L. SMITH O/A FIRST CHOICE AUTO BODY | 1 UNITED DRIVE<br>ORILLIA<br>L3V 6H1            | 8-1263-98-                                                                                                                                                                                                                                                                                                                         | 98               | //         | Industrial air   | In progress      |                  |
|         |                                         |                                                 | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b> WASTE DERIVED FUEL HEATER<br><b>Contaminants:</b><br><b>Emission Control:</b>                                                                                                                    |                  |            |                  |                  |                  |
| n/a     | ORILLIA CITY                            | KITCHENER STREET<br>ORILLIA CITY                | 8-3370-90-                                                                                                                                                                                                                                                                                                                         | 90               | 7/31/1991  | Industrial air   | Approved in 1991 |                  |
|         |                                         |                                                 | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b> OPERATIONS CENTRE-LAB. & VENT. EQUIPMENT<br><b>Contaminants:</b> Acetic Acid, Acetone, Hydrogen Chloride, Hydrogen Peroxide, Nitric Acid, Sulphuric Acid<br><b>Emission Control:</b> No Controls |                  |            |                  |                  |                  |
| n/a     | ORILLIA CITY - DIGESTER GAS MODS        | KITCHENER ST./HWY. #12/WEST ST<br>ORILLIA CITY  | 8-3201-91-                                                                                                                                                                                                                                                                                                                         | 91               | 2/10/1992  | Industrial air   | Approved in 1992 |                  |
|         |                                         |                                                 | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b> REPLACE GAS BURNER, RELOCATE VAREC MODEL<br><b>Contaminants:</b> Nitrogen Oxides<br><b>Emission Control:</b> Flare                                                                               |                  |            |                  |                  |                  |

## Certificates of Approval

| Map Key | Company                                    | Address                                           | Certificate #                                                                                                                                                                         | Application Year | Issue Date | Approval Type    | Status   | Application Type |
|---------|--------------------------------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------|----------|------------------|
| n/a     | OTTO CSEKEY                                | WEST STREET<br>ORILLIA CITY                       | 3-0989-88-                                                                                                                                                                            | 88               | 8/11/1988  | Municipal sewage | Approved |                  |
|         |                                            |                                                   | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |          |                  |
| n/a     | MEMORIAL AVENUE<br>INVESTMENTS LIMITED     | MEMORIAL AVE. COMMERCIAL<br>DEVEL<br>ORILLIA CITY | 3-1872-88-                                                                                                                                                                            | 88               | 11/3/1988  | Municipal sewage | Approved |                  |
|         |                                            |                                                   | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |          |                  |
| n/a     | CARL MCDAID ENTERPRISES<br>LIMITED PRIVATE | LOT 1, REG. PLAN 395, WEST ST.<br>ORILLIA CITY    | 3-0617-89-                                                                                                                                                                            | 89               | 7/25/1989  | Municipal sewage | Approved |                  |
|         |                                            |                                                   | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |          |                  |
| n/a     | T. TSELIKIS - REG. PLAN 673                | MEMORIAL AVENUE<br>ORILLIA CITY                   | 3-2132-89-                                                                                                                                                                            | 89               | 12/21/1989 | Municipal sewage | Approved |                  |
|         |                                            |                                                   | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |          |                  |

## Certificates of Approval

| Map Key | Company                                  | Address                                        | Certificate #                                                                                                                                                                         | Application Year | Issue Date | Approval Type    | Status           | Application Type |
|---------|------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------|------------------|------------------|
| n/a     | A.H. DOUGLAS INVESTMENTS CORP. LTD.      | S.W. CORNER MEMORIAL AVE.<br>ORILLIA CITY      | 3-1027-89-                                                                                                                                                                            | 89               | 1/23/1990  | Municipal sewage | Approved in 1990 |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |                  |                  |
| n/a     | INVERMARA BAY(DIVISION OF 731232 ONT.LTD | LOT 18, R.P.910 ,HWY 12<br>ORILLIA CITY        | 7-0615-88-                                                                                                                                                                            | 88               | 5/13/1988  | Municipal water  | Approved         |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |                  |                  |
| n/a     | CARL MCDAIDE ENTERPRISES LTD. PRIVATE    | LOT 1, REG. PLAN 395, WEST ST.<br>ORILLIA CITY | 7-0543-89-                                                                                                                                                                            | 89               | 7/25/1989  | Municipal water  | Approved         |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |                  |                  |
| n/a     | ORILLIA CITY                             | WEST ST. SOUTH<br>ORILLIA CITY                 | 7-0320-89-                                                                                                                                                                            | 89               | 7/28/1989  | Municipal water  | Approved         |                  |
|         |                                          |                                                | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                  |                  |                  |

## Certificates of Approval

| Map Key | Company                      | Address                                      | Certificate #                                                                                                                        | Application Year | Issue Date | Approval Type    | Status   | Application Type |
|---------|------------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------|----------|------------------|
| n/a     | GOLDWING FABRICATING LIMITED | WEST ST.S., LOTS 3&4 (SWM)<br>ORILLIA CITY   | 3-0797-94-                                                                                                                           | 94               | 7/12/1994  | Municipal sewage | Approved |                  |
|         |                              |                                              | Client Name:<br>Client Address:<br>Client City:<br>Client Postal Code:<br>Project Description:<br>Contaminants:<br>Emission Control: |                  |            |                  |          |                  |
| n/a     | OTTO CSEKEY                  | WEST STREET<br>ORILLIA CITY                  | 7-0861-88-                                                                                                                           | 88               | 8/11/1988  | Municipal water  | Approved |                  |
|         |                              |                                              | Client Name:<br>Client Address:<br>Client City:<br>Client Postal Code:<br>Project Description:<br>Contaminants:<br>Emission Control: |                  |            |                  |          |                  |
| n/a     | ORILLIA CITY                 | HIGH ST./SHANNON ST./OLIVE<br>CRE<br>ORILLIA | 7-0148-98-                                                                                                                           | 98               | 5/12/1998  | Municipal water  | Approved |                  |
|         |                              |                                              | Client Name:<br>Client Address:<br>Client City:<br>Client Postal Code:<br>Project Description:<br>Contaminants:<br>Emission Control: |                  |            |                  |          |                  |
| n/a     | 1138806 ONTARIO LIMITED      | PT.LOT 11/CON.3&4,S. ORLLIA<br>ORILLIA CITY  | 3-1823-97-                                                                                                                           | 97               | 1/5/1998   | Municipal sewage | Approved |                  |
|         |                              |                                              | Client Name:<br>Client Address:<br>Client City:<br>Client Postal Code:<br>Project Description:<br>Contaminants:<br>Emission Control: |                  |            |                  |          |                  |

## Certificates of Approval

| Map Key | Company                                | Address                                                      | Certificate #                                                                                                                                                                                                                                                                                                                                                    | Application Year | Issue Date | Approval Type                      | Status   | Application Type            |
|---------|----------------------------------------|--------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|------------------------------------|----------|-----------------------------|
| n/a     | Memorial Avenue Storm Sewers           | Lots 10 and 11, Concession 4 Orillia                         | 4440-5ALQ9X                                                                                                                                                                                                                                                                                                                                                      | 02               | 6/3/02     | Municipal & Private sewage         | Approved | New Certificate of Approval |
|         |                                        |                                                              | <b>Client Name:</b> The Corporation of the City of Orillia<br><b>Client Address:</b> 50 Andrew Street South<br><b>Client City:</b> Orillia<br><b>Client Postal Code:</b> L3V 7T5<br><b>Project Description:</b> Approval is sought for the construction of storm sewers on Memorial Avenue and James Street.<br><b>Contaminants:</b><br><b>Emission Control:</b> |                  |            |                                    |          |                             |
| n/a     | Bet-Ray Developments Limited           | Kitchener Street Orillia                                     | 4122-6SSHGY                                                                                                                                                                                                                                                                                                                                                      | 2006             | 8/25/2006  | Municipal and Private Sewage Works | Approved |                             |
|         |                                        |                                                              | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b>                                                                                                                                                                            |                  |            |                                    |          |                             |
| n/a     | The Corporation of the City of Orillia | West Street From Highway 12 Bypass to Shannon Street Orillia | 2381-8MKLE5                                                                                                                                                                                                                                                                                                                                                      | 2011             | 10/19/2011 | Municipal and Private Sewage Works | Approved |                             |
|         |                                        |                                                              | <b>Client Name:</b><br><b>Client Address:</b><br><b>Client City:</b><br><b>Client Postal Code:</b><br><b>Project Description:</b><br><b>Contaminants:</b><br><b>Emission Control:</b>                                                                                                                                                                            |                  |            |                                    |          |                             |



Compliance and Convictions

| Map Key                                                          | Company             | Address | File No.            | Crown Brief No. | Ministry District             | Region                    |
|------------------------------------------------------------------|---------------------|---------|---------------------|-----------------|-------------------------------|---------------------------|
| CONV-1                                                           | 948386 ONTARIO LTD. |         |                     | 98-0000-9001    |                               | SOUTH WEST REGION         |
| Description: THIS IS THE SOUTHWEST BRIEF FOR ALL P.O.A. TICKETS. |                     |         |                     |                 |                               |                           |
|                                                                  |                     |         | <u>Date Charged</u> | <u>Fine</u>     | <u>Act/Regulation/Section</u> | <u>Charge Disposition</u> |
|                                                                  |                     |         | 5/25/98             | \$300.00        | EPA- -186(3)                  | SUSPENDED SENTENCE        |
|                                                                  |                     |         | 5/25/98             | \$300.00        | EPA- -186(3)                  | SUSPENDED SENTENCE        |

## Environmental Registry

| Map Key | Company                                                           | Address                                                    | Year                      | EBR Registry No.                                                                                                | Ministry Ref. No. | Type                |
|---------|-------------------------------------------------------------------|------------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------|---------------------|
| EBR-1   | MID Ontario Disposal Doug Roe Ent. Inc.                           | City of Orillia                                            | 1996                      | IA6E0622                                                                                                        |                   | Instrument          |
|         |                                                                   |                                                            | <b>Instrument Type:</b>   | EPA s. 27 - Approval for a waste disposal site.                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proposal Date:</b>     | 4/29/96                                                                                                         |                   |                     |
|         |                                                                   |                                                            | <b>Location:</b>          | City of Orillia                                                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proponent Address:</b> | MID Ontario Disposal Doug Roe Ent. Inc., Doug Roe Enterprises Ltd., 377 BREWERY LANE, Orillia, Ontario, L3V 3Y7 |                   |                     |
| EBR-2   | Doug Roe Enterprises Limited                                      | 24 KITCHENER STREET<br>City of Orillia<br>L3V 6Z9          | 1997                      | IA7E0123                                                                                                        |                   | Instrument          |
|         |                                                                   |                                                            | <b>Instrument Type:</b>   | EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)                      |                   |                     |
|         |                                                                   |                                                            | <b>Proposal Date:</b>     | 2/4/97                                                                                                          |                   |                     |
|         |                                                                   |                                                            | <b>Location:</b>          | City of Orillia                                                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proponent Address:</b> | Doug Roe Enterprises Limited 377 Brewery Lane, Orillia, Ontario, L3V 7H8                                        |                   |                     |
| EBR-3   | MID Ontario Disposal Doug Roe Ent. Inc. Doug Roe Enterprises Ltd. | City of Orillia                                            | 1999                      | IA9E0313                                                                                                        |                   | Instrument          |
|         |                                                                   |                                                            | <b>Instrument Type:</b>   | EPA s. 27 - Approval for a waste disposal site.                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proposal Date:</b>     | 3/10/99                                                                                                         |                   |                     |
|         |                                                                   |                                                            | <b>Location:</b>          | City of Orillia                                                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proponent Address:</b> | MID Ontario Disposal Doug Roe Ent. Inc. Doug Roe Enterprises Ltd., 377 BREWERY LANE, Orillia, Ontario, L3V 3Y7  |                   |                     |
| EBR-4   | Doug Roe Enterprises Limited                                      | 24 Kitchener Street<br>Orillia<br>L3V 6Z9                  | 2005                      | IA05E1719                                                                                                       | 2168-6HDPN3       | Instrument Decision |
|         |                                                                   |                                                            | <b>Instrument Type:</b>   | Approval for a waste disposal site. - EPA s. 27                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proposal Date:</b>     |                                                                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Location:</b>          | 24 Kitchener Street Orillia Ontario L3V 6Z9                                                                     |                   |                     |
|         |                                                                   |                                                            | <b>Proponent Address:</b> | P.O. Box 9, Station Main Orillia Ontario L3V 6H9                                                                |                   |                     |
| EBR-5   | Capital Environmental Resources Inc                               | 30 Kitchener Street (Lot 11)<br>City of Orillia<br>L3V 6Z9 | 1999                      | IA9E0503                                                                                                        |                   | Instrument          |
|         |                                                                   |                                                            | <b>Instrument Type:</b>   | EPA s. 27 - Approval for a waste disposal site.                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proposal Date:</b>     | 4/21/99                                                                                                         |                   |                     |
|         |                                                                   |                                                            | <b>Location:</b>          | City of Orillia                                                                                                 |                   |                     |
|         |                                                                   |                                                            | <b>Proponent Address:</b> | Capital Environmental Resources Inc. 1005 Skyview Drive, Burlington, Ontario, Ontario, L9P 5B1                  |                   |                     |
| EBR-6   | The Corporation of the City of Orillia                            | 40 Kitchener Street<br>Orillia                             | 2011                      | 011-3199                                                                                                        | 3652-88WPJD       | Instrument Proposal |
|         |                                                                   |                                                            | <b>Instrument Type:</b>   | (OWRA s. 53(1)) - Approval for sewage works                                                                     |                   |                     |
|         |                                                                   |                                                            | <b>Proposal Date:</b>     | April 11, 2011                                                                                                  |                   |                     |
|         |                                                                   |                                                            | <b>Location:</b>          | 40 Kitchener Street Orillia, County of Simcoe L3V 6Z9                                                           |                   |                     |
|         |                                                                   |                                                            | <b>Proponent Address:</b> | 50 Andrew Street South Suite 300 Orillia Ontario Canada L3V 7T5                                                 |                   |                     |

Environmental Registry

| Map Key | Company                               | Address                                      | Year | EBR Registry No.          | Ministry Ref. No.                                                                          | Type       |
|---------|---------------------------------------|----------------------------------------------|------|---------------------------|--------------------------------------------------------------------------------------------|------------|
| EBR-7   | James SmithO/A First Choice Auto Body | 1 United Drive<br>City of Orillia<br>L3V 6H1 | 1999 | IA9E0160                  |                                                                                            | Instrument |
|         |                                       |                                              |      | <b>Instrument Type:</b>   | EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) |            |
|         |                                       |                                              |      | <b>Proposal Date:</b>     | 2/4/99                                                                                     |            |
|         |                                       |                                              |      | <b>Location:</b>          | City of Orillia                                                                            |            |
|         |                                       |                                              |      | <b>Proponent Address:</b> | James SmithO/A First Choice Auto Body,1 United Drive, Unit 2,Orillia, Ontario, L3V 6H1     |            |

## ERIS Historical Searches

| Map Key | Company | Address                                     | Order No.                                  | Report Date                                                                            | Report Type           | Search Radius (km) |
|---------|---------|---------------------------------------------|--------------------------------------------|----------------------------------------------------------------------------------------|-----------------------|--------------------|
| EHS-1   |         | 30 Kitchener St<br>Orillia<br>L3V 6Z9       | 20010203016<br><b>Addit. Info Ordered:</b> | 2/13/01                                                                                | Complete Report       | 0.25               |
| EHS-2   |         | 30 Kitchener St.<br>Orillia<br>L3V 6Z9      | 20070622024<br><b>Addit. Info Ordered:</b> | 6/28/2007<br>Fire Insur. Maps And /or Site Plans; Aerials Photos                       | CAN - Complete Report | 0.25               |
| EHS-3   |         | 580 West Street South<br>Orillia<br>L3V 6L8 | 20050511006<br><b>Addit. Info Ordered:</b> | 5/12/2005                                                                              |                       | 0.45               |
| EHS-4   |         | 560 west st s<br>Orillia<br>L3V 5H6         | 20100520021<br><b>Addit. Info Ordered:</b> | 5/21/2010                                                                              | Site Report           | 0.25               |
| EHS-5   |         | 500 Memorial Avenue<br>Orillia<br>L3V 6H1   | 20070119003<br><b>Addit. Info Ordered:</b> | 1/29/2007<br>Fire Insur. Maps And /or Site Plans; City Directory                       | CAN - Complete Report | 0.25               |
| EHS-6   |         | 600 Memorial Avenue<br>Orillia              | 20040331001<br><b>Addit. Info Ordered:</b> | 4/8/04<br>Fire Insur. Maps and/or Site Plans; Aerials Photos and/or Topographical Maps | Complete Report       | 0.25               |

## List of TSSA Expired Facilities

| Map Key | Company              | Address                               | Instance ID         | Instance Number                    | Context                      | Status: |
|---------|----------------------|---------------------------------------|---------------------|------------------------------------|------------------------------|---------|
| EXP-1   | MAYES-MARTIN LIMITED | 609 WEST ST S<br>ORILLIA<br>L3V 5H7   | 384577              | 9599666                            | FS Facility                  | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS Bulk Plant (Small)              |                              |         |
| EXP-2   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 20078               | 10465237                           | FS Highway Tank - Gas/Diesel | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS HIGHWAY TANK - GASOLINE/DIESEL  |                              |         |
| EXP-3   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 11228               | 10060656                           | FS Facility                  | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS Gasoline Station - Full Serve   |                              |         |
| EXP-4   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 19104               | 10465321                           | FS Highway Tank - Gas/Diesel | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS HIGHWAY TANK - GASOLINE/DIESEL  |                              |         |
| EXP-5   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 19222               | 10465251                           | FS Highway Tank - Gas/Diesel | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS HIGHWAY TANK - GASOLINE/DIESEL  |                              |         |
| EXP-6   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 73711               | 11228504                           | FS Propane Tank              | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS Propane Tank                    |                              |         |
| EXP-7   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 20790               | 10465244                           | FS Highway Tank - Gas/Diesel | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS HIGHWAY TANK - GASOLINE/DIESEL  |                              |         |
| EXP-8   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 20882               | 10465240                           | FS Highway Tank - Gas/Diesel | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS HIGHWAY TANK - GASOLINE/DIESEL  |                              |         |
| EXP-9   | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 391118              | 9567312                            | FS Facility                  | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS Propane Cylr Handling Facility  |                              |         |
| EXP-10  | UPI ENERGY LP*       | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 11196               | 10059146                           | FS Facility                  | EXPIRED |
|         |                      |                                       | <b>Description:</b> | FS Propane Refill Cntr - Cylr Fill |                              |         |



## List of TSSA Expired Facilities

| Map Key | Company        | Address                               | Instance ID  | Instance Number                    | Context             | Status: |
|---------|----------------|---------------------------------------|--------------|------------------------------------|---------------------|---------|
| EXP-11  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 11229        | 10060684                           | FS Facility         | EXPIRED |
|         |                |                                       | Description: | FS Propane Refill Cntr - Cylr Fill |                     |         |
| EXP-12  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74203        | 11230966                           | FS Liquid Fuel Tank | EXPIRED |
|         |                |                                       | Description: | FS Liquid Fuel Tank                |                     |         |
| EXP-13  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74103        | 11231031                           | FS Liquid Fuel Tank | EXPIRED |
|         |                |                                       | Description: | FS Liquid Fuel Tank                |                     |         |
| EXP-14  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74200        | 11230996                           | FS Liquid Fuel Tank | EXPIRED |
|         |                |                                       | Description: | FS Liquid Fuel Tank                |                     |         |
| EXP-15  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74664        | 11231071                           | FS Liquid Fuel Tank | EXPIRED |
|         |                |                                       | Description: | FS Liquid Fuel Tank                |                     |         |
| EXP-16  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74736        | 11231126                           | FS Liquid Fuel Tank | EXPIRED |
|         |                |                                       | Description: | FS Liquid Fuel Tank                |                     |         |
| EXP-17  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74932        | 11231101                           | FS Liquid Fuel Tank | EXPIRED |
|         |                |                                       | Description: | FS Liquid Fuel Tank                |                     |         |
| EXP-18  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74212        | 11231051                           | FS Piping           | EXPIRED |
|         |                |                                       | Description: | FS Piping                          |                     |         |
| EXP-19  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74207        | 11231114                           | FS Piping           | EXPIRED |
|         |                |                                       | Description: | FS Piping                          |                     |         |
| EXP-20  | UPI ENERGY LP* | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1 | 74220        | 11231139                           | FS Piping           | EXPIRED |
|         |                |                                       | Description: | FS Piping                          |                     |         |

## List of TSSA Expired Facilities

| Map Key | Company                   | Address                                         | Instance ID  | Instance Number                    | Context         | Status: |
|---------|---------------------------|-------------------------------------------------|--------------|------------------------------------|-----------------|---------|
| EXP-21  | UPI ENERGY LP*            | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1           | 74713        | 11230981                           | FS Piping       | EXPIRED |
|         |                           |                                                 | Description: | FS Piping                          |                 |         |
| EXP-22  | UPI ENERGY LP*            | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1           | 75199        | 11231016                           | FS Piping       | EXPIRED |
|         |                           |                                                 | Description: | FS Piping                          |                 |         |
| EXP-23  | UPI ENERGY LP*            | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1           | 73798        | 11231087                           | FS Piping       | EXPIRED |
|         |                           |                                                 | Description: | FS Piping                          |                 |         |
| EXP-24  | UPI ENERGY LP*            | 500 MEMORIAL AV<br>ORILLIA<br>L3V 6H1           | 74774        | 11228522                           | FS Propane Tank | EXPIRED |
|         |                           |                                                 | Description: | FS Propane Tank                    |                 |         |
| EXP-25  | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1              | 399032       | 9929150                            | FS Facility     | EXPIRED |
|         |                           |                                                 | Description: | FS Bulk Plant (Small)              |                 |         |
| n/a     | ARCHIE DENNE              | HWY 12 RR 2 RR 2 STN MAIN<br>ORILLIA<br>L3V 6H2 | 391918       | 9893028                            | FS Facility     | EXPIRED |
|         |                           |                                                 | Description: | FS Propane Refill Cntr - Cylr Fill |                 |         |

## Fuel Storage Tank

| Map Key | Company                   | Address                            | License Issue Date       | Tank Status         | Tank Status As Of           | Operation Type              | Facility Type                          |
|---------|---------------------------|------------------------------------|--------------------------|---------------------|-----------------------------|-----------------------------|----------------------------------------|
| FST-1   | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1 | 12/3/2003<br>12:03:00 PM | Licensed            | December 2008               | Retail Fuel Outlet          | Bulk Plant (medium)                    |
|         |                           |                                    | <u>Status</u>            | <u>Capacity (L)</u> | <u>Year of Installation</u> | <u>Corrosion Protection</u> | <u>Tank Fuel Type</u>                  |
|         |                           |                                    | Active                   | 45400               | 1990                        |                             | Liquid Fuel Single Wall AST - Fuel Oil |
|         |                           |                                    | Active                   | 45400               | 1989                        |                             | Liquid Fuel Single Wall AST - Gasoline |
|         |                           |                                    | Active                   | 45400               | 1989                        |                             | Liquid Fuel Single Wall AST - Diesel   |
|         |                           |                                    | Active                   | 45400               | 1988                        |                             | Liquid Fuel Single Wall AST - Fuel Oil |
|         |                           |                                    | Active                   | 45400               | 1988                        |                             | Liquid Fuel Single Wall AST - Gasoline |
|         |                           |                                    | Active                   | 45400               | 1988                        |                             | Liquid Fuel Single Wall AST - Diesel   |
|         |                           |                                    | Active                   | 45400               | 1988                        |                             | Liquid Fuel Single Wall AST - Fuel Oil |
|         |                           |                                    | Active                   | 45400               | 1990                        |                             | Liquid Fuel Single Wall AST - Diesel   |
|         |                           |                                    | Active                   | 45400               | 1990                        |                             | Liquid Fuel Single Wall AST - Fuel Oil |
|         |                           |                                    | Active                   | 45400               | 1988                        |                             | Liquid Fuel Single Wall AST - Fuel Oil |
| FST-2   | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1 |                          |                     | January 2010                | Retail Fuel Outlet          | FS BULK PLANT (MEDIUM)                 |
|         |                           |                                    | <u>Status</u>            | <u>Capacity (L)</u> | <u>Year of Installation</u> | <u>Corrosion Protection</u> | <u>Tank Fuel Type</u>                  |
|         |                           |                                    | Active                   | 45400               | 1988                        | Painted                     | Single Wall UST - Diesel               |
|         |                           |                                    | Active                   | 45400               | 1988                        | Painted                     | Single Wall UST - Fuel Oil             |
|         |                           |                                    | Active                   | 45400               | 1990                        | Painted                     | Single Wall UST - Diesel               |

## Fuel Storage Tank

| Map Key | Company                   | Address                            | License Issue Date | Tank Status         | Tank Status As Of           | Operation Type              | Facility Type                          |
|---------|---------------------------|------------------------------------|--------------------|---------------------|-----------------------------|-----------------------------|----------------------------------------|
| FST-3   | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1 |                    |                     | January 2010                | Retail Fuel Outlet          | FS GASOLINE STATION - CARD/KEYLOCK     |
|         |                           |                                    | <u>Status</u>      | <u>Capacity (L)</u> | <u>Year of Installation</u> | <u>Corrosion Protection</u> | <u>Tank Fuel Type</u>                  |
|         |                           |                                    | Active             | 45400               | 1988                        | Painted                     | Liquid Fuel Single Wall AST - Gasoline |
|         |                           |                                    | Active             | 45400               | 1989                        | Painted                     | Liquid Fuel Single Wall AST - Diesel   |
|         |                           |                                    | Active             | 45400               | 1989                        | Painted                     | Liquid Fuel Single Wall AST - Gasoline |
| FST-4   | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1 |                    |                     | June 2011                   | Retail Fuel Outlet          | FS GASOLINE STATION - CARD/KEYLOCK     |
|         |                           |                                    | <u>Status</u>      | <u>Capacity (L)</u> | <u>Year of Installation</u> | <u>Corrosion Protection</u> | <u>Tank Fuel Type</u>                  |
|         |                           |                                    | Active             | 45400               | 1989                        | Painted                     | Liquid Fuel Single Wall AST - Gasoline |
|         |                           |                                    | Active             | 45400               | 1989                        | Painted                     | Liquid Fuel Single Wall AST - Diesel   |
|         |                           |                                    | Active             | 45400               | 1988                        | Painted                     | Liquid Fuel Single Wall AST - Gasoline |
| FST-5   | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1 |                    |                     | June 2010                   | Retail Fuel Outlet          | FS GASOLINE STATION - CARD/KEYLOCK     |
|         |                           |                                    | <u>Status</u>      | <u>Capacity (L)</u> | <u>Year of Installation</u> | <u>Corrosion Protection</u> | <u>Tank Fuel Type</u>                  |
|         |                           |                                    | Active             | 45400               | 1988                        | Painted                     | Liquid Fuel Single Wall AST - Gasoline |
|         |                           |                                    | Active             | 45400               | 1989                        | Painted                     | Liquid Fuel Single Wall AST - Diesel   |
|         |                           |                                    | Active             | 45400               | 1989                        | Painted                     | Liquid Fuel Single Wall AST - Gasoline |

Fuel Storage Tank

| Map Key | Company                   | Address                            | License<br>Issue Date | Tank Status         | Tank Status<br>As Of        | Operation Type              | Facility Type              |
|---------|---------------------------|------------------------------------|-----------------------|---------------------|-----------------------------|-----------------------------|----------------------------|
| FST-6   | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1 |                       |                     | June 2011                   | Retail Fuel Outlet          | FS BULK PLANT (MEDIUM)     |
|         |                           |                                    | <u>Status</u>         | <u>Capacity (L)</u> | <u>Year of Installation</u> | <u>Corrosion Protection</u> | <u>Tank Fuel Type</u>      |
|         |                           |                                    | Active                | 45400               | 1990                        | Painted                     | Single Wall UST - Diesel   |
|         |                           |                                    | Active                | 45400               | 1988                        | Painted                     | Single Wall UST - Fuel Oil |
|         |                           |                                    | Active                | 45400               | 1988                        | Painted                     | Single Wall UST - Diesel   |
|         |                           |                                    | Active                | 45400               | 1990                        | Painted                     | Single Wall UST - Diesel   |
|         |                           |                                    | Active                | 45400               | 1988                        | Painted                     | Single Wall UST - Diesel   |
|         |                           |                                    | Active                | 45400               | 1990                        | Painted                     | Single Wall UST - Diesel   |
|         |                           |                                    | Active                | 45400               | 1988                        | Painted                     | Single Wall UST - Fuel Oil |
| FST-7   | GRANCO FUEL TERMINALS INC | 35 UNITED DR<br>ORILLIA<br>L3V 6H1 |                       |                     | June 2010                   | Retail Fuel Outlet          | FS BULK PLANT (MEDIUM)     |
|         |                           |                                    | <u>Status</u>         | <u>Capacity (L)</u> | <u>Year of Installation</u> | <u>Corrosion Protection</u> | <u>Tank Fuel Type</u>      |
|         |                           |                                    | Active                | 45400               | 1988                        | Painted                     | Single Wall UST - Diesel   |
|         |                           |                                    | Active                | 45400               | 1988                        | Painted                     | Single Wall UST - Fuel Oil |
|         |                           |                                    | Active                | 45400               | 1990                        | Painted                     | Single Wall UST - Diesel   |



## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                             | Address                                                                                    | SIC Code                                                | SIC Description                                              | Waste Code | Waste Description                                                           |
|---------|-------------------------------------|--------------------------------------------------------------------------------------------|---------------------------------------------------------|--------------------------------------------------------------|------------|-----------------------------------------------------------------------------|
| GEN-1   | MAYES-MARTIN LIMITED                | SHELL CANADA - SUPPLIER<br>609 WEST ST., SOUTH<br>ORILLIA<br>L3V 5H7                       | 5111<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | PETROLEUM PROD., WH.<br><br>ON0005135<br>98                  | 221        | LIGHT FUELS                                                                 |
| GEN-2   | MAYES-MARTIN LTD.<br>25-334         | SHELL CANADA - SUPPLIER<br>609 WEST ST., SOUTH<br>ORILLIA<br>L3V 5H7                       | 5111<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | PETROLEUM PROD., WH.<br><br>ON0005135<br>92,93,94,95,96,97   | 221        | LIGHT FUELS                                                                 |
| GEN-3   | MAYES-MARTIN LTD.                   | SHELL CANADA - SUPPLIER<br>609 WEST ST., SOUTH<br>ORILLIA<br>L3V 5H7                       | 5111<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | PETROLEUM PROD., WH.<br><br>ON0005135<br>86,87,88,89,90      | 221        | LIGHT FUELS                                                                 |
| GEN-4   | 1035139 ONTARIO LIMITED             | 14 KITCHENER STREET<br>ORILLIA<br>L3C 6K2                                                  | 6351<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | GARAGES(GEN. REPAIR)<br><br>ON2496400<br>99,00,01            | 252        | WASTE OILS & LUBRICANTS                                                     |
| GEN-5   | DOUG ROE ENTERPRISES LTD.<br>12-527 | O/A MID ONTARIO DISPOSAL<br>24 KITCHENER ST. C/O 377<br>BREWERY LANE<br>ORILLIA<br>L3V 6Z9 | 4569<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | OTHER TRUCK./TRANS.<br><br>ON1378800<br>94,95,96             | 252        | WASTE OILS & LUBRICANTS                                                     |
| GEN-6   | DOUG ROE ENTERPRISES LTD            | 24 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9                                                  | 4569<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | OTHER TRUCK./TRANS.<br><br>ON1378800<br>92,93,97,98          | 252        | WASTE OILS & LUBRICANTS                                                     |
| GEN-7   | DOUG ROE ENTERPRISES                | 24 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9                                                  | <br><br><b>Generator #:</b><br><b>Approval Yrs:</b>     | <br><br>ON1378800<br>As of Oct 2010                          | 251<br>252 | Waste oils/sludges (petroleum based)<br>Waste crankcase oils and lubricants |
| GEN-8   | CENTRAL DISPOSAL SERVICE<br>08-270  | 24 KITCHENER ST.<br>ORILLIA<br>L3V 6Z9                                                     | 4569<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | OTHER TRUCK./TRANS.<br><br>ON0714500<br>92,93,94,95,96,97,98 | 213        | PETROLEUM DISTILLATES                                                       |
| GEN-9   | DOUG ROE ENTERPRISES LTD.           | 24 KITCHENER STREET<br>C/O 377 BREWERY LAND<br>ORILLIA<br>L3V 6Z9                          | 4569<br><br><b>Generator #:</b><br><b>Approval Yrs:</b> | OTHER TRUCK./TRANS.<br><br>ON1378800<br>90                   | 252        | WASTE OILS & LUBRICANTS                                                     |

## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                          | Address                                        | SIC Code             | SIC Description                    | Waste Code | Waste Description       |
|---------|----------------------------------|------------------------------------------------|----------------------|------------------------------------|------------|-------------------------|
| GEN-10  | CENTRAL DISPOSAL SERVICE         | 24 KITCHENER ST.<br>ORILLIA<br>L3V 6Z9         | 4569                 | OTHER TRUCK./TRANS.                | 213        | PETROLEUM DISTILLATES   |
|         |                                  |                                                | <b>Generator #:</b>  | ON0714500                          |            |                         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 86,87,88,89,90                     |            |                         |
| GEN-11  | MID ONTARIO DISPOSAL             | 24 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9      | 4569                 | OTHER TRUCK./TRANS.                | 252        | WASTE OILS & LUBRICANTS |
|         |                                  |                                                | <b>Generator #:</b>  | ON1378800                          |            |                         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 99,00,01                           |            |                         |
| GEN-12  | DOUG ROE ENTERPRISES             | 24 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9      |                      |                                    | 251        | OIL SKIMMINGS & SLUDGES |
|         |                                  |                                                | <b>Generator #:</b>  | ON1378800                          | 252        | WASTE OILS & LUBRICANTS |
|         |                                  |                                                | <b>Approval Yrs:</b> | 02,03,04,05,06,07,08               |            |                         |
| GEN-13  | TEXACO CANADA INC                | 32 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9      | 5111                 | PETROLEUM PROD., WH.               | 221        | LIGHT FUELS             |
|         |                                  |                                                | <b>Generator #:</b>  | ON0005228                          |            |                         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 98                                 |            |                         |
| GEN-14  | TEXACO CANADA INC.<br>37-098     | 32 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9      | 5111                 | PETROLEUM PROD., WH.               | 221        | LIGHT FUELS             |
|         |                                  |                                                | <b>Generator #:</b>  | ON0005228                          |            |                         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 92,93,94,95,96,97                  |            |                         |
| GEN-15  | TEXACO CANADA INC.               | 32 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9      | 5111                 | PETROLEUM PROD., WH.               | 221        | LIGHT FUELS             |
|         |                                  |                                                | <b>Generator #:</b>  | ON0005228                          |            |                         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 86,87,88,89,90                     |            |                         |
| GEN-16  | Astek Composites Inc.            | 32 Kitchener St., Unit 2<br>Orillia<br>L3V 6Z9 | 325510               | Paint and Coating<br>Manufacturing | 232        | POLYMERIC RESINS        |
|         |                                  |                                                | <b>Generator #:</b>  | ON4850018                          |            |                         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 07,08                              |            |                         |
| GEN-17  | Orillia Tool and CNC             | 32 Kitchener Street<br>Orillia<br>L3V 6Z9      | 332710               | Machine Shops                      |            |                         |
|         |                                  |                                                | <b>Generator #:</b>  | ON7379855                          |            |                         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 04                                 |            |                         |
| GEN-18  | BROCKWORTH INDUSTRIES<br>LIMITED | 34 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9      | 3053                 | INDUSTRIAL FASTENER                | 213        | PETROLEUM DISTILLATES   |
|         |                                  |                                                | <b>Generator #:</b>  | ON0702300                          | 253        | EMULSIFIED OILS         |
|         |                                  |                                                | <b>Approval Yrs:</b> | 99,00,01                           |            |                         |

## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                                | Address                                                                    | SIC Code | SIC Description     | Waste Code | Waste Description              |
|---------|----------------------------------------|----------------------------------------------------------------------------|----------|---------------------|------------|--------------------------------|
| GEN-19  | BROCKWORTH INDUSTRIES<br>06-203        | 34 KITCHENER ST.<br>ORILLIA<br>L3V 6Z9                                     | 3053     | INDUSTRIAL FASTENER | 213        | PETROLEUM DISTILLATES          |
|         |                                        |                                                                            |          |                     | 253        | EMULSIFIED OILS                |
|         |                                        |                                                                            |          |                     |            |                                |
| GEN-20  | BROCKWORTH INDUSTRIES                  | 34 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9                                  | 3053     | INDUSTRIAL FASTENER | 253        | EMULSIFIED OILS                |
|         |                                        |                                                                            |          |                     | 213        | PETROLEUM DISTILLATES          |
|         |                                        |                                                                            |          |                     |            |                                |
| GEN-21  | BROCKWORTH INDUSTRIES                  | 34 KITCHENER ST.<br>ORILLIA<br>L3V 6Z9                                     | 3053     | INDUSTRIAL FASTENER | 213        | PETROLEUM DISTILLATES          |
|         |                                        |                                                                            |          |                     | 253        | EMULSIFIED OILS                |
|         |                                        |                                                                            |          |                     |            |                                |
| GEN-22  | ORILLIA, CORPORATION OF<br>THE CITY OF | ORILLIA WASTE DIVERSION SITE<br>100 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9 |          |                     |            |                                |
|         |                                        |                                                                            |          |                     | 112        | ACID WASTE - HEAVY METALS      |
|         |                                        |                                                                            |          |                     | 146        | OTHER SPECIFIED INORGANICS     |
|         |                                        |                                                                            |          |                     | 222        | HEAVY FUELS                    |
|         |                                        |                                                                            |          |                     | 261        | PHARMACEUTICALS                |
|         |                                        |                                                                            |          |                     | 269        | NON-HALOGENATED PESTICIDES     |
|         |                                        |                                                                            |          |                     | 145        | PAINT/PIGMENT/COATING RESIDUES |
|         |                                        |                                                                            |          |                     | 148        | INORGANIC LABORATORY CHEMICALS |
|         |                                        |                                                                            |          |                     | 212        | ALIPHATIC SOLVENTS             |
|         |                                        |                                                                            |          |                     | 213        | PETROLEUM DISTILLATES          |
|         |                                        |                                                                            |          |                     | 221        | LIGHT FUELS                    |
|         |                                        |                                                                            |          |                     | 241        | HALOGENATED SOLVENTS           |
|         |                                        |                                                                            |          |                     | 242        | HALOGENATED PESTICIDES         |
|         |                                        |                                                                            |          |                     | 243        | PCB'S                          |
|         |                                        |                                                                            |          |                     | 252        | WASTE OILS & LUBRICANTS        |
|         |                                        |                                                                            |          |                     | 263        | ORGANIC LABORATORY CHEMICALS   |
|         |                                        |                                                                            |          |                     | 331        | WASTE COMPRESSED GASES         |

## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                       | Address                                                                   | SIC Code | SIC Description                                                                       | Waste Code | Waste Description              |
|---------|-------------------------------|---------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------|------------|--------------------------------|
| GEN-23  | ORILLIA, CORP. OF THE CITY OF | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER ST.<br>ORILLIA<br>L3V 6J1 | 8375     | REGION. PLAN./ DEV.<br><br><b>Generator #:</b> ON0906901<br><b>Approval Yrs:</b> 90   | 145        | PAINT/PIGMENT/COATING RESIDUES |
|         |                               |                                                                           |          |                                                                                       | 148        | INORGANIC LABORATORY CHEMICALS |
|         |                               |                                                                           |          |                                                                                       | 213        | PETROLEUM DISTILLATES          |
|         |                               |                                                                           |          |                                                                                       | 221        | LIGHT FUELS                    |
|         |                               |                                                                           |          |                                                                                       | 222        | HEAVY FUELS                    |
|         |                               |                                                                           |          |                                                                                       | 242        | HALOGENATED PESTICIDES         |
|         |                               |                                                                           |          |                                                                                       | 252        | WASTE OILS & LUBRICANTS        |
|         |                               |                                                                           |          |                                                                                       | 263        | ORGANIC LABORATORY CHEMICALS   |
|         |                               |                                                                           |          |                                                                                       | 269        | NON-HALOGENATED PESTICIDES     |
|         |                               |                                                                           |          |                                                                                       | 331        | WASTE COMPRESSED GASES         |
| GEN-24  | ORILLIA, CORP. OF THE CITY OF | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER STREET<br>ORILLIA         | 4999     | OTHER UTILITY IND.<br><br><b>Generator #:</b> ON0906901<br><b>Approval Yrs:</b> 97,98 | 145        | PAINT/PIGMENT/COATING RESIDUES |
|         |                               |                                                                           |          |                                                                                       | 148        | INORGANIC LABORATORY CHEMICALS |
|         |                               |                                                                           |          |                                                                                       | 212        | ALIPHATIC SOLVENTS             |
|         |                               |                                                                           |          |                                                                                       | 213        | PETROLEUM DISTILLATES          |
|         |                               |                                                                           |          |                                                                                       | 221        | LIGHT FUELS                    |
|         |                               |                                                                           |          |                                                                                       | 222        | HEAVY FUELS                    |
|         |                               |                                                                           |          |                                                                                       | 241        | HALOGENATED SOLVENTS           |
|         |                               |                                                                           |          |                                                                                       | 242        | HALOGENATED PESTICIDES         |
|         |                               |                                                                           |          |                                                                                       | 252        | WASTE OILS & LUBRICANTS        |
|         |                               |                                                                           |          |                                                                                       | 263        | ORGANIC LABORATORY CHEMICALS   |
|         |                               |                                                                           |          |                                                                                       | 269        | NON-HALOGENATED PESTICIDES     |
|         |                               |                                                                           |          |                                                                                       | 331        | WASTE COMPRESSED GASES         |

## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                              | Address                                                           | SIC Code | SIC Description    | Waste Code | Waste Description              |
|---------|--------------------------------------|-------------------------------------------------------------------|----------|--------------------|------------|--------------------------------|
| GEN-25  | ORILLIA, CORPORATION OF THE CITY OF  | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER STREET<br>ORILLIA | 4999     | OTHER UTILITY IND. | 145        | PAINT/PIGMENT/COATING RESIDUES |
|         |                                      |                                                                   |          |                    | 148        | INORGANIC LABORATORY CHEMICALS |
|         |                                      |                                                                   |          |                    | 212        | ALIPHATIC SOLVENTS             |
|         |                                      |                                                                   |          |                    | 213        | PETROLEUM DISTILLATES          |
|         |                                      |                                                                   |          |                    | 221        | LIGHT FUELS                    |
|         |                                      |                                                                   |          |                    | 222        | HEAVY FUELS                    |
|         |                                      |                                                                   |          |                    | 241        | HALOGENATED SOLVENTS           |
|         |                                      |                                                                   |          |                    | 242        | HALOGENATED PESTICIDES         |
|         |                                      |                                                                   |          |                    | 252        | WASTE OILS & LUBRICANTS        |
|         |                                      |                                                                   |          |                    | 263        | ORGANIC LABORATORY CHEMICALS   |
|         |                                      |                                                                   |          |                    | 269        | NON-HALOGENATED PESTICIDES     |
|         |                                      |                                                                   |          |                    | 331        | WASTE COMPRESSED GASES         |
|         |                                      |                                                                   |          |                    |            |                                |
| GEN-26  | ORILLIA, CORP. OF THE CITY OF 29-516 | ORILLIA SANITARY LANDFILL SITE<br>100 KITCHENER STREET<br>ORILLIA | 4999     | OTHER UTILITY IND. | 145        | PAINT/PIGMENT/COATING RESIDUES |
|         |                                      |                                                                   |          |                    | 148        | INORGANIC LABORATORY CHEMICALS |
|         |                                      |                                                                   |          |                    | 212        | ALIPHATIC SOLVENTS             |
|         |                                      |                                                                   |          |                    | 213        | PETROLEUM DISTILLATES          |
|         |                                      |                                                                   |          |                    | 221        | LIGHT FUELS                    |
|         |                                      |                                                                   |          |                    | 222        | HEAVY FUELS                    |
|         |                                      |                                                                   |          |                    | 241        | HALOGENATED SOLVENTS           |
|         |                                      |                                                                   |          |                    | 242        | HALOGENATED PESTICIDES         |
|         |                                      |                                                                   |          |                    | 252        | WASTE OILS & LUBRICANTS        |
|         |                                      |                                                                   |          |                    | 263        | ORGANIC LABORATORY CHEMICALS   |
|         |                                      |                                                                   |          |                    | 269        | NON-HALOGENATED PESTICIDES     |
|         |                                      |                                                                   |          |                    | 331        | WASTE COMPRESSED GASES         |
|         |                                      |                                                                   |          |                    |            |                                |



## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                                                  | Address                                                                                             | SIC Code                      | SIC Description                | Waste Code | Waste Description                                     |
|---------|----------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-------------------------------|--------------------------------|------------|-------------------------------------------------------|
| GEN-27  | ORILLIA, CORPORATION OF<br>THE CITY OF Public Works Dept | ORILLIA WASTE DIVERSION SITE<br>100 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9                          | Generator #:<br>Approval Yrs: | ON0906901<br>As of Oct 2010    | 112        | Acid solutions - containing heavy metals              |
|         |                                                          |                                                                                                     |                               |                                | 121        | Alkaline slutions - containing heavy metals           |
|         |                                                          |                                                                                                     |                               |                                | 145        | Wastes from the use of pigments, coatings and paints  |
|         |                                                          |                                                                                                     |                               |                                | 146        | Other specified inorganic sludges, slurries or solids |
|         |                                                          |                                                                                                     |                               |                                | 147        | Chemical fertilizer wastes                            |
|         |                                                          |                                                                                                     |                               |                                | 148        | Misc. wastes and inorganic chemicals                  |
|         |                                                          |                                                                                                     |                               |                                | 212        | Aliphatic solvents and residues                       |
|         |                                                          |                                                                                                     |                               |                                | 213        | Petroleum distillates                                 |
|         |                                                          |                                                                                                     |                               |                                | 221        | Light fuels                                           |
|         |                                                          |                                                                                                     |                               |                                | 242        | Halogenated pesticides and herbicides                 |
|         |                                                          |                                                                                                     |                               |                                | 243        | PCB                                                   |
|         |                                                          |                                                                                                     |                               |                                | 252        | Waste crankcase oils and lubricants                   |
|         |                                                          |                                                                                                     |                               |                                | 261        | Pharmaceuticals                                       |
|         |                                                          |                                                                                                     |                               |                                | 263        | Misc. waste organic chemicals                         |
|         |                                                          |                                                                                                     |                               |                                | 312        | Pathological wastes                                   |
|         |                                                          |                                                                                                     |                               |                                | 331        | Waste compressed gases including cylinders            |
| GEN-28  | HURONIA MACHINING SERVICES                               | 45 UNITED DRIVE<br>ORILLIA<br>L3V 6H1                                                               | Generator #:<br>Approval Yrs: | ON4672644<br>As of Oct 2010    | 253        | Emulsified oils                                       |
| GEN-29  | HURONIA MACHINING SERVICES                               | 45 UNITED DRIVE<br>ORILLIA<br>L3V 6H1                                                               | Generator #:<br>Approval Yrs: | ON4672644<br>02,03,04,06,07,08 | 253        | EMULSIFIED OILS                                       |
| GEN-30  | UCO PETROLEUM INC.<br>39-177                             | 500 MEMORIAL AVENUE, ORILLIA<br>C/O 5600 CANCROSS<br>CT.,P.O.BOX7030,STNA<br>MISSISSAUGA<br>L5B 2N6 | 5111                          | PETROLEUM PROD., WH.           | 213        | PETROLEUM DISTILLATES                                 |
|         |                                                          |                                                                                                     |                               |                                | 221        | LIGHT FUELS                                           |
|         |                                                          |                                                                                                     | Generator #:<br>Approval Yrs: | ON1446915<br>94,95             |            |                                                       |

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| Map Key | Company                                     | Address                                               | SIC Code             | SIC Description                              | Waste Code | Waste Description     |
|---------|---------------------------------------------|-------------------------------------------------------|----------------------|----------------------------------------------|------------|-----------------------|
| GEN-31  | UPI INC.                                    | 39-177<br>500 MEMORIAL AVENUE<br>ORILLIA<br>L3V 6H8   | 5111                 | PETROLEUM PROD., WH.                         | 213        | PETROLEUM DISTILLATES |
|         |                                             |                                                       |                      |                                              | 221        | LIGHT FUELS           |
|         |                                             |                                                       | <b>Generator #:</b>  | ON1446915                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 92,93,96,97,98                               |            |                       |
| GEN-32  | UNITED CO-OPERATIVES OF<br>ONTARIO          | 500 MEMORIAL AVE.<br>ORILLIA<br>L3V 6K4               | 5111                 | PETROLEUM PROD., WH.                         | 213        | PETROLEUM DISTILLATES |
|         |                                             |                                                       |                      |                                              | 221        | LIGHT FUELS           |
|         |                                             |                                                       | <b>Generator #:</b>  | ON0178423                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 86,87,88,89,90                               |            |                       |
| GEN-33  | UPI ENERGY LP                               | 500 MEMORIAL AVENUE<br>ORILLIA<br>L3V 6H8             | 447190               | Other Gasoline Stations                      | 213        | PETROLEUM DISTILLATES |
|         |                                             |                                                       |                      |                                              | 221        | LIGHT FUELS           |
|         |                                             |                                                       | <b>Generator #:</b>  | ON1446915                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 04,06                                        |            |                       |
| GEN-34  | UNITED CO(SEE&USE<br>ON1446915) 39-177      | 500 MEMORIAL AVE.<br>ORILLIA<br>L3V 6K4               | 5111                 | PETROLEUM PROD., WH.                         |            |                       |
|         |                                             |                                                       |                      |                                              |            |                       |
|         |                                             |                                                       | <b>Generator #:</b>  | ON0178423                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 92,93,94,95,96,97                            |            |                       |
| GEN-35  | UNITED CO-OPERATIVES<br>(SEE&USE ON1446915) | 500 MEMORIAL AVENUE<br>ORILLIA<br>L3V 6K4             | 5111                 | PETROLEUM PROD., WH.                         |            |                       |
|         |                                             |                                                       |                      |                                              |            |                       |
|         |                                             |                                                       | <b>Generator #:</b>  | ON0178423                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 98                                           |            |                       |
| GEN-36  | UPI INC.                                    | 500 MEMORIAL AVENUE<br>ORILLIA<br>L3V 6H8             | 5111                 | PETROLEUM PROD., WH.                         | 213        | PETROLEUM DISTILLATES |
|         |                                             |                                                       |                      |                                              | 221        | LIGHT FUELS           |
|         |                                             |                                                       | <b>Generator #:</b>  | ON1446915                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 99,00,01,02,03                               |            |                       |
| GEN-37  | GRANCO FUEL TERMINALS INC.<br>16-237        | 35 UNITED DRIVE P.O. BOX 366<br>ORILLIA<br>L3V 6H1    | 3611                 | REFINED PETRO. PROD.                         | 221        | LIGHT FUELS           |
|         |                                             |                                                       |                      |                                              |            |                       |
|         |                                             |                                                       | <b>Generator #:</b>  | ON1118000                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 94,95,96                                     |            |                       |
| GEN-38  | GRANCO FUEL TERMINALS<br>INCORPORATED       | 35 UNITED DRIVE<br>ORILLIA<br>L3V 6J9                 | 3611                 | REFINED PETRO. PROD.                         | 221        | LIGHT FUELS           |
|         |                                             |                                                       |                      |                                              |            |                       |
|         |                                             |                                                       | <b>Generator #:</b>  | ON1118000                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 99,00,01,02,03,04,05                         |            |                       |
| GEN-39  | GRANCO FUEL TERMINALS<br>INCORPORATED       | 35 UNITED DRIVE<br>P.O. BOX 366<br>ORILLIA<br>L3V 6H1 | 412110               | Petroleum Product<br>Wholesaler-Distributors | 221        | LIGHT FUELS           |
|         |                                             |                                                       |                      |                                              |            |                       |
|         |                                             |                                                       | <b>Generator #:</b>  | ON1118000                                    |            |                       |
|         |                                             |                                                       | <b>Approval Yrs:</b> | 06,07,08                                     |            |                       |

## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                            | Address                                                                                   | SIC Code                                    | SIC Description             | Waste Code | Waste Description              |
|---------|------------------------------------|-------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------|------------|--------------------------------|
| GEN-40  | GRANCO FUEL TERMINALS INCORPORATED | 35 UNITED DRIVE<br>P.O. BOX 366<br>ORILLIA<br>L3V 6H1                                     | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON1118000<br>As of Oct 2010 | 221        | Light fuels                    |
| GEN-41  | GRANCO FUEL TERMINALS INC.         | 35 UNITED DRIVE<br>ORILLIA<br>L3V 6J9                                                     | 3611                                        | REFINED PETRO. PROD.        | 221        | LIGHT FUELS                    |
|         |                                    |                                                                                           | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON1118000<br>92,93,97,98    |            |                                |
| GEN-42  | GRANCO FUEL TERMINALS INC.         | 35 UNITED DRIVE P.O. BOX 366<br>ORILLIA<br>L3V 6H1                                        | 3611                                        | REFINED PETRO. PROD.        | 221        | LIGHT FUELS                    |
|         |                                    |                                                                                           | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON1118000<br>88,89          |            |                                |
| n/a     | FAHRAMET LTD.                      | KITCHENER STREET<br>ORILLIA<br>L3V 6J1                                                    | 0007                                        | LETTER ACKNOWLEDG.          | 146        | OTHER SPECIFIED INORGANICS     |
|         |                                    |                                                                                           | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON0478600<br>86,87,88,89,90 |            |                                |
| n/a     | FAHRAMET LTD.                      | KITCHENER STREET<br>KITCHENER STREET<br>ORILLIA<br>L3V 6J1                                | 2911                                        | FERRO-ALLOYS IND.           | 146        | OTHER SPECIFIED INORGANICS     |
|         |                                    |                                                                                           | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON0478600<br>92,93,97,98    |            |                                |
| n/a     | FAHRAMET LTD.<br>107               | 15- KITCHENER STREET<br>ORILLIA<br>L3V 6J1                                                | 2911                                        | FERRO-ALLOYS IND.           | 146        | OTHER SPECIFIED INORGANICS     |
|         |                                    |                                                                                           | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON0478600<br>94,95,96       |            |                                |
| n/a     | FAHRAMET LIMITED                   | KITCHENER STREET<br>ORILLIA<br>L3V 6J1                                                    | 2911                                        | FERRO-ALLOYS IND.           | 146        | OTHER SPECIFIED INORGANICS     |
|         |                                    |                                                                                           | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON0478600<br>99,00,01       |            |                                |
| n/a     | ORILLIA WATER, LIGHT & POWER COMM. | WEST STREET SOUTH PL. 269<br>C/O P.O.BOX 398, 360 WEST ST.<br>SOUTH<br>ORILLIA<br>L3V 6J9 | 9911                                        | IND. MACH. RENTAL           | 122        | ALKALINE WASTES - OTHER METALS |
|         |                                    |                                                                                           | <b>Generator #:</b><br><b>Approval Yrs:</b> | ON0535401<br>89             | 251        | OIL SKIMMINGS & SLUDGES        |

## Ontario Regulation 347 Waste Generators Summary

| Map Key | Company                                     | Address                                                                                   | SIC Code             | SIC Description    | Waste Code | Waste Description                 |
|---------|---------------------------------------------|-------------------------------------------------------------------------------------------|----------------------|--------------------|------------|-----------------------------------|
| n/a     | ORILLIA WATER, LIGHT &<br>POWER COMM.29-439 | WEST STREET SOUTH PL. 269<br>C/O P.O.BOX 398, 360 WEST ST.<br>SOUTH<br>ORILLIA<br>L3V 6J9 | 9911                 | IND. MACH. RENTAL  | 122        | ALKALINE WASTES - OTHER<br>METALS |
|         |                                             |                                                                                           | <b>Generator #:</b>  | ON0535401          | 251        | OIL SKIMMINGS & SLUDGES           |
|         |                                             |                                                                                           | <b>Approval Yrs:</b> | 94,95,96           |            |                                   |
| n/a     | R.H. STEWART<br>CONSTRUCTION CO. LTD.       | SHOP #5<br>PLAN 171, PART LOT 11<br>ORILLIA                                               | 0821                 | SAND & GRAVEL PITS | 213        | PETROLEUM DISTILLATES             |
|         |                                             |                                                                                           | <b>Generator #:</b>  | ON0682601          |            |                                   |
|         |                                             |                                                                                           | <b>Approval Yrs:</b> | 99,00,01           |            |                                   |

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## Landfill Inventory Management Ontario

| Map Key | Company                                | Address                                                    | C of A Number                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Operation Status: | C of A Issue Date: |
|---------|----------------------------------------|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------|
| LIMO-1  | The Corporation of the City of Orillia | 100 Kitchener Street; Lot 11-12, Conc 4<br>City of Orillia | A250601<br><br><b>Site Name</b><br><b>MOE Region:</b><br><b>MOE District:</b><br><b>C of A Issued to:</b><br><b>Landfill Type:</b><br><b>Site County:</b><br><b>Total Site Area:</b><br><b>Footprint:</b><br><b>Total Approved Capac:</b><br><b>Fill Rate:</b><br><b>Service Area:</b><br><b>Contam. Atten. Zone:</b><br><b>Approved Waste Type:</b><br><b>Air Emmis. Monitor:</b><br><b>Groundwater Monitor:</b><br><b>Surf. Water Monitor:</b><br><b>Landfill Gas Monitor:</b><br><b>Natural Attenuation:</b><br><b>Liners:</b><br><b>Cover Material:</b><br><b>Leachate Off Site:</b><br><b>Leachate On Site:</b><br><b>Landfill Gas Manag.(P)</b><br><b>Landfill Gas Manag.(F):</b><br><b>Landfill Gas Manag.(E)</b><br><b>Financial Assurance:</b><br><b>Req Coll. Landfill Gas:</b><br><b>Landfill Gas Collected:</b><br><b>Est Remain Capac(ERC</b><br><b>ERC Date Last Determ.</b><br><b>ERC Methodology:</b><br><b>Total Waste Rec.(TWR)</b><br><b>TWR Methodology:</b><br><b>Last Reporting Year:</b> | Closed            |                    |



## National Analysis of Trends in Emergencies System (NATES)

| Map Key | Company | Address | File No.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Spill Date | Lead Agency | DOE on Scene | Reported By |
|---------|---------|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|-------------|--------------|-------------|
| n/a     | TEXACO  | OROTWP  | MOE83406                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 830808     |             |              | Province    |
|         |         |         | <b>Material Reaction:</b><br><b>Basin:</b> St. Lawrence River Drainage<br><b>Air:</b><br><b>Land:</b> Y<br><b>Fresh Water:</b><br><b>Ground Water:</b><br><b>Salt Water:</b><br><b>Other Environment:</b><br><b>Waterbody:</b><br><b>Cause:</b> Overflow<br><b>Reason:</b> Error<br><b>Source:</b> Service Station<br><b>Sector:</b> Petroleum<br><b>Ship No.:</b><br><b>Ship Name:</b><br><b>Clean Up By:</b> shared<br><b>Disposal Method:</b> unknown<br><b>Recovery %:</b> 100.00<br><b>Act Invoked:</b> Unknown<br><b>Enforcement Resp:</b><br><b>Fish Kill:</b> N<br><b>Oiled Birds:</b> N<br><b>Other Kill:</b> N<br><b>Vegetation Damage:</b> N<br><b>Property Damage:</b> N<br><b>Drinking Water:</b> N<br><b>Income Loss:</b> N<br><b>Other Consequences:</b> N<br><b>No. of Injuries:</b><br><b>No. of Evacuations:</b><br><b>Fine:</b> 0.00<br><b>No. of Dead:</b><br><b>Cleanup Cost:</b><br><b>Material:</b> gasoline<br><b>Amount (ton):</b> 0.96<br><b>Volume (L):</b><br><b>Concentration:</b><br><b>Phase:</b><br><b>Additional Info:</b> |            |             |              |             |

## National Environmental Emergencies System (NEES)

| Map Key | Company         | Address      | Incident Date | Contaminant           |
|---------|-----------------|--------------|---------------|-----------------------|
| NEES-1  | GRANCO FUELS    | ORILLIA CITY | 4/14/89       | PETROLEUMS            |
|         |                 |              | Amount:       | 0                     |
|         |                 |              | Units:        | Other                 |
|         |                 |              | Quantity:     |                       |
|         |                 |              | Cause:        | Other                 |
|         |                 |              | Source:       |                       |
|         |                 |              | Reason:       |                       |
|         |                 |              | Sector:       | Petroleum             |
| n/a     | TEXACO          | ORILLIA TWP. | 1/25/88       | GASOLINE              |
|         |                 |              | Amount:       | 0                     |
|         |                 |              | Units:        | Underground Tank Leak |
|         |                 |              | Quantity:     |                       |
|         |                 |              | Cause:        | Equipment Failure     |
|         |                 |              | Source:       | Service Station       |
|         |                 |              | Reason:       |                       |
|         |                 |              | Sector:       | Petroleum             |
| n/a     | CP BULK SYSTEMS | ORILLIA CITY | 4/28/88       | DIESEL FUEL           |
|         |                 |              | Amount:       | 0                     |
|         |                 |              | Units:        | Overturn              |
|         |                 |              | Quantity:     |                       |
|         |                 |              | Cause:        | Unknown               |
|         |                 |              | Source:       | Tank Truck            |
|         |                 |              | Reason:       |                       |
|         |                 |              | Sector:       | Transportation        |
| n/a     | CP BULK SYSTEMS | ORILLIA CITY | 4/28/88       | GASOLINE              |
|         |                 |              | Amount:       | 0                     |
|         |                 |              | Units:        | Overturn              |
|         |                 |              | Quantity:     |                       |
|         |                 |              | Cause:        | Unknown               |
|         |                 |              | Source:       | Tank Truck            |
|         |                 |              | Reason:       |                       |
|         |                 |              | Sector:       | Transportation        |

National Environmental Emergencies System (NEES)

| Map Key | Company         | Address      | Incident Date | Contaminant     |
|---------|-----------------|--------------|---------------|-----------------|
| n/a     | CP BULK SYSTEMS | ORILLIA CITY | 4/28/88       | HEATING OIL     |
|         |                 |              | Amount:       | 0               |
|         |                 |              | Units:        | Overturn        |
|         |                 |              | Quantity:     |                 |
|         |                 |              | Cause:        | Unknown         |
|         |                 |              | Source:       | Tank Truck      |
|         |                 |              | Reason:       |                 |
|         |                 |              | Sector:       | Transportation  |
| n/a     | TEXACO          | OROTWP       | 8/8/83        | gasoline        |
|         |                 |              | Amount:       | 0.96            |
|         |                 |              | Units:        | Tonnes (Metric) |
|         |                 |              | Quantity:     |                 |
|         |                 |              | Cause:        | Overflow        |
|         |                 |              | Source:       | Service Station |
|         |                 |              | Reason:       | Error           |
|         |                 |              | Sector:       | Petroleum       |

## Pesticide Register

| Map Key | Company                                                 | Address                                           | Licence No.   | Licence Type   |
|---------|---------------------------------------------------------|---------------------------------------------------|---------------|----------------|
| PES-1   | 829622 ONTARIO LIMITED                                  | 14 KORLEA CRESCENT<br>ORILLIA<br>L3V 7K3          |               | Operator       |
| PES-2   | PROCUT PROPERTY<br>MAINTENANCE                          | 14 KORLEA CRESCENT<br>ORILLIA<br>L3V 7K3          |               | Operator       |
| PES-3   | TSC STORES L.P.                                         | 500 MEMORIAL AVE<br>ORILLIA<br>L3V6H1             |               | Vendor         |
| PES-4   | SIMCOE DISTRICT CO-<br>OPERATIVE (C#90220 -<br>02/2003) | 500 MEMORIAL AVE<br>ORILLIA<br>L3V 6G8            | 22-01-01320-0 | General Vendor |
| PES-5   | UNITED COOPERATIVES OF<br>ONTARIO                       | 500 MEMORIAL AVE<br>ORILLIA<br>L3V 6G8            |               | Vendor         |
| PES-6   | SIMCOE DISTRICT CO-<br>OPERATIVE (V 23702 - 01/2008)    | 500 MEMORIAL AVE, PO BOX 536<br>ORILLIA<br>L3V6K2 |               | General Vendor |

## Private and Retail Fuel Storage Tanks

| Map Key | Company                                    | Address                             | Location ID | Type   | Expiry Date | Capacity (L) | Licence #  |
|---------|--------------------------------------------|-------------------------------------|-------------|--------|-------------|--------------|------------|
| PRT-1   | MAYES MARTIN LTD                           | 609 WEST ST S<br>ORILLIA<br>L3V 5H7 | 10609       | retail | 1995-05-31  | 240600       | 0030085001 |
| PRT-2   |                                            | 500 MEMORIAL AV.<br>ORILLIA         | 10588       | retail |             |              |            |
| PRT-3   | UCO PETROLEUM INC C/O<br>TRISHA FREEMAN    | 500 MEMORIAL AV<br>ORILLIA          | 10600       | retail | 1993-12-31  | 0            | 0024052001 |
| PRT-4   | UCO PETROLEUM INC C/O<br>SHIRLEY WONNELL   | 500 MEMORIAL AV<br>ORILLIA          | 10600       | retail | 1996-02-28  | 122500       | 0048894001 |
| PRT-5   | UCO PETROLEUM INC C/O<br>TRISHA FREEMAN    | 500 MEMORIAL AV<br>ORILLIA          | 10600       | retail | 1994-05-31  | 2000         | 0028336016 |
| PRT-6   | UCO PETROLEUM INC C/O<br>RAYMOND BRENNEMAN | 500 MEMORIAL AV<br>ORILLIA          | 10600       | retail | 1994-10-31  | 2000         | 0076394188 |
| PRT-7   | UCO PETROLEUM INC C/O<br>TRISHA FREEMAN    | 500 MEMORIAL AV<br>ORILLIA          | 10600       | retail | 1993-11-30  | 2000         | 0076377241 |
| PRT-8   | GRANCO FUEL TERMINALS INC                  | 35 UNITED DR<br>ORILLIA<br>L3V6H1   | 10603       | retail | 1995-11-30  | 317800       | 0030132001 |
| n/a     | ARCHIE DENNE                               | HWY 12 RR 2<br>ORILLIA<br>L3V6H2    | 19553       | retail | 1993-01-31  | 1000         | 0076346857 |

Ontario Regulation 347 Waste Receivers Summary

| Map Key | Company          | Address                                                                    | Receiver #:                  | Facility Type                                                             | Waste Code | Waste Description          |
|---------|------------------|----------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------|------------|----------------------------|
| REC-1   | ORILLIA, CITY OF | WATER POLLUTION CONTROL PLANT<br>40 KITCHENER STREET<br>ORILLIA<br>L3V 6Z9 | W120569<br><br>Approval Yrs: | WATER POLLUTION CONTROL PLANT<br><br>98,99,00,01,02,03,04,05,06<br>,07,08 | 146        | OTHER SPECIFIED INORGANICS |



## Retail Fuel Storage Tanks

| Map Key | Company                                            | Address                                               | Facility                                     | Description                   |
|---------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------|-------------------------------|
| RST-1   | MAYES-MARTIN LTD                                   | 609 WEST ST S<br>ORILLIA<br>L3V 5H7                   | Oils-Fuel                                    | Petroleum Products, Wholesale |
| RST-2   | SIMCOE DISTRICT CO-<br>OPERATIVE SERVICES- ORILLIA | MEMORIAL<br>PO BOX 500 STN MAIN<br>ORILLIA<br>L3V 6K2 | Propane Gas-Tanks & Refilling                |                               |
| RST-3   | SIMCOE DISTRICT CO-<br>OPERATIVE SERVICES- ORILLIA | MEMORIAL PO BOX 500 STN MAIN<br>ORILLIA<br>L3V 6K2    | Propane Gas                                  |                               |
| RST-4   | CO-OP GAS BAR                                      | MEMORIAL PO BOX 500 STN MAIN<br>ORILLIA<br>L3V6K2     | Service Stations-Gasoline, Oil & Natural Gas |                               |
| RST-5   | GRANT'S FUEL PLUS                                  | 35 UNITED DR<br>ORILLIA<br>L3V 6H1                    | OILS-FUEL                                    |                               |
| RST-6   | GRANCO FUEL TERMINALS INC                          | 35 UNITED DR<br>ORILLIA<br>L3V6H1                     | Oils-Petroleum                               |                               |
| RST-7   | GRANT'S HEATING LIMITED                            | 35 UNITED DR<br>ORILLIA<br>L3V 6H1                    | Oils-Fuel                                    | Petroleum Products, Wholesale |
| RST-8   | SUNSHINE CAR CARE                                  | 1 UNITED DR<br>ORILLIA<br>L3V 6H1                     | Oil Changes & Lubrication Service            |                               |
| n/a     | STARPORT LANDING                                   | HWY 12 S<br>ORILLIA<br>L3V 6H7                        | MARINAS                                      |                               |
| n/a     | STARPORT MARINA INC                                | HWY 12 S<br>ORILLIA<br>L3V6H7                         | MARINAS                                      |                               |

## Scott's Manufacturing Directory

| Map Key | Company                           | Address                               | Established | Plant Size<br>(ft²) | Employment | SIC/NAICS<br>Code | Description                                                    |
|---------|-----------------------------------|---------------------------------------|-------------|---------------------|------------|-------------------|----------------------------------------------------------------|
| SCT-1   | ELITE AWARDS & GIFTS              | 601 West St S<br>Orillia<br>L3V 5H7   | 1961        | 8000                | 22         | 321920            | Wood Container and Pallet Manufacturing                        |
|         |                                   |                                       |             |                     |            | 321999            | All Other Miscellaneous Wood Product Manufacturing             |
|         |                                   |                                       |             |                     |            | 326198            | All Other Plastic Product Manufacturing                        |
|         |                                   |                                       |             |                     |            | 332999            | All Other Miscellaneous Fabricated Metal Product Manufacturing |
|         |                                   |                                       |             |                     |            | 339990            | All Other Miscellaneous Manufacturing                          |
| SCT-2   | TROPHY WOOD<br>MANUFACTURERS      | 601 WEST ST S<br>ORILLIA<br>L3V 5H7   | 1961        | 8000                | 18         | 2441              | NAILED AND LOCK CORNER WOOD BOXES AND SHOOK                    |
|         |                                   |                                       |             |                     |            | 2499              | WOOD PRODUCTS, NOT ELSEWHERE CLASSIFIED                        |
|         |                                   |                                       |             |                     |            | 3299              | NONMETALLIC MINERAL PRODUCTS, NOT ELSEWHERE CLASSIFIED         |
|         |                                   |                                       |             |                     |            | 3999              | MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED             |
| SCT-3   | Elite Awards & Gifts Ltd.         | 601 West St S<br>Orillia<br>L3V 5H7   | 01-JUL-61   | 9000                |            | 323119            | Other Printing                                                 |
|         |                                   |                                       |             |                     |            | 339990            | All Other Miscellaneous Manufacturing                          |
|         |                                   |                                       |             |                     |            | 321999            | All Other Miscellaneous Wood Product Manufacturing             |
|         |                                   |                                       |             |                     |            | 332810            | Coating, Engraving, Heat Treating and Allied Activities        |
|         |                                   |                                       |             |                     |            | 321920            | Wood Container and Pallet Manufacturing                        |
|         |                                   |                                       |             |                     |            | 321999            | All Other Miscellaneous Wood Product Manufacturing             |
| SCT-5   | ORILLIA FORM & FABRICATING<br>INC | 26 KITCHENER ST<br>ORILLIA<br>L3V 6Z9 | 1992        | 0                   | 6          | 3443              | FABRICATED PLATE WORK (BOILER SHOPS)                           |
|         |                                   |                                       |             |                     |            | 3444              | SHEET METAL WORK                                               |

## Scott's Manufacturing Directory

| Map Key | Company                          | Address                                         | Established | Plant Size<br>(ft <sup>2</sup> ) | Employment | SIC/NAICS<br>Code | Description                                                                          |
|---------|----------------------------------|-------------------------------------------------|-------------|----------------------------------|------------|-------------------|--------------------------------------------------------------------------------------|
| SCT-6   | ORILLIA FORM AND<br>FABRICATING  | 26 Kitchener St<br>Orillia<br>L3V 6Z9           | 1992        | 0                                | 6          | 332319            | Other Plate Work and<br>Fabricated Structural Product<br>Manufacturing               |
|         |                                  |                                                 |             |                                  |            | 332329            | Other Ornamental and<br>Architectural Metal Products<br>Manufacturing                |
| SCT-7   | ONTARIO RECYCLERS<br>(ORILLIA)   | 30 KITCHENER ST<br>ORILLIA<br>L3V 6Z9           | 1996        | 10000                            | 4          | 2952              | ASPHALT FELTS AND<br>COATINGS                                                        |
|         |                                  |                                                 |             |                                  |            | 3299              | NONMETALLIC MINERAL<br>PRODUCTS, NOT<br>ELSEWHERE CLASSIFIED                         |
| SCT-8   | Astek Composites Inc.            | 32 Kitchener St<br>Unit 2<br>Orillia<br>L3V 6Z9 | 1999        | 3000                             |            | 325510            | Paint and Coating<br>Manufacturing                                                   |
|         |                                  |                                                 |             |                                  |            | 325999            | All Other Miscellaneous<br>Chemical Product<br>Manufacturing                         |
| SCT-9   | BROCKWORTH INDUSTRIES<br>LIMITED | 34 KITCHENER ST<br>ORILLIA<br>L3V 6Z9           | 1952        | 8500                             | 25         | 332999            | All Other Miscellaneous<br>Fabricated Metal Product<br>Manufacturing                 |
|         |                                  |                                                 |             |                                  |            | 339990            | All Other Miscellaneous<br>Manufacturing                                             |
|         |                                  |                                                 |             |                                  |            | 3451              | SCREW MACHINE<br>PRODUCTS                                                            |
| SCT-10  | Huron Machine Services           | 45 United Dr<br>Orillia<br>L3V 6H1              | 01-AUG-89   | 5000                             |            | 332710            | Machine Shops                                                                        |
|         |                                  |                                                 |             |                                  |            | 333519            | Other Metalworking Machinery<br>Manufacturing                                        |
|         |                                  |                                                 |             |                                  |            | 332710            | Machine Shops                                                                        |
| SCT-11  | HURONIA MACHINE SERVICES         | 45 UNITED AVE<br>RR 1<br>ORILLIA<br>L3V 6H1     | 1989        | 5000                             | 20         | 332710            | Machine Shops                                                                        |
|         |                                  |                                                 |             |                                  |            | 333519            | Other Metalworking Machinery<br>Manufacturing                                        |
| SCT-12  | HURONIA TOOL & MACHINE           | 45 UNITED DR<br>ORILLIA<br>L3V 6H1              | 1989        | 5000                             | 10         | 3544              | SPECIAL DIES AND TOOLS,<br>DIE SETS, JIGS AND<br>FIXTURES, AND INDUSTRIAL<br>MOLDS   |
|         |                                  |                                                 |             |                                  |            | 3599              | INDUSTRIAL AND<br>COMMERCIAL MACHINERY<br>AND EQUIPMENT, NOT<br>ELSEWHERE CLASSIFIED |

## Ontario Spills

| Map Key | Company                                | Address                               | Ref No.     | Incident Dt                                                                                                                                                                                                                                                                                                                                           | MOE Reported Dt | Contaminant Name                               | Contaminant Quantity               |
|---------|----------------------------------------|---------------------------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------------------------------------------------|------------------------------------|
| SPL-1   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 8272-8JJKEU | 7/7/2011                                                                                                                                                                                                                                                                                                                                              | 7/7/2011        | SEWAGE,PRIMARY<br>UNCHLORINATED                | 500 m³                             |
|         |                                        |                                       |             | <b>Incident Summary:</b> BP:Orillia WWTC, partially trt, no chl, no UV to L Simcoe<br><b>Incident Cause:</b> Discharge Or Bypass To A Watercourse<br><b>Incident Reason:</b><br><b>Nature of Impact:</b> Surface Water Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Confirmed                                                |                 |                                                |                                    |
| SPL-2   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 1565-8L7KST | 8/29/2011                                                                                                                                                                                                                                                                                                                                             | 8/29/2011       | METHANE GAS                                    |                                    |
|         |                                        |                                       |             | <b>Incident Summary:</b> Methane Gas to Atm, Orillia Wastewater Treatment Plant<br><b>Incident Cause:</b> Discharge or Emission to Air<br><b>Incident Reason:</b> Equipment Failure - Malfunction of system components<br><b>Nature of Impact:</b> Air Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Confirmed                |                 |                                                |                                    |
| SPL-3   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 4705-8HTGEK | 6/14/2011                                                                                                                                                                                                                                                                                                                                             | 6/14/2011       | SEWAGE,SECONDARY<br>UNCHLORINATED              |                                    |
|         |                                        |                                       |             | <b>Incident Summary:</b> Orillia WWTP: no UV disinfection due to pwr fail<br><b>Incident Cause:</b><br><b>Incident Reason:</b><br><b>Nature of Impact:</b> Surface Water Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Confirmed                                                                                              |                 |                                                |                                    |
| SPL-4   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 6151-8HMQ3T | 6/8/2011                                                                                                                                                                                                                                                                                                                                              | 6/8/2011        | SEWAGE,SECONDARY<br>UNCHLORINATED              | 974 m³                             |
|         |                                        |                                       |             | <b>Incident Summary:</b> Orillia WWTP: secondary bypass to Lake Simcoe, ongoing<br><b>Incident Cause:</b> Discharge Or Bypass To A Watercourse<br><b>Incident Reason:</b> Power Interruption - Loss of electrical power<br><b>Nature of Impact:</b> Surface Water Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b>               |                 |                                                |                                    |
| SPL-5   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia            | 2206-88YQW3 |                                                                                                                                                                                                                                                                                                                                                       | 9/4/2010        | SEWAGE,FINAL<br>EFFLUENT NO UV<br>DISINFECTION | 0 other - see incident description |
|         |                                        |                                       |             | <b>Incident Summary:</b> Orillia WWTP: final effl, no UV disinf L Simcoe pwr outage<br><b>Incident Cause:</b> Discharge Or Bypass To A Watercourse<br><b>Incident Reason:</b> Power Interruption - Loss of electrical power<br><b>Nature of Impact:</b> Surface Water Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Confirmed |                 |                                                |                                    |

## Ontario Spills

| Map Key | Company                                | Address                               | Ref No.                      | Incident Dt                                                  | MOE Reported Dt | Contaminant Name                  | Contaminant Quantity |
|---------|----------------------------------------|---------------------------------------|------------------------------|--------------------------------------------------------------|-----------------|-----------------------------------|----------------------|
| SPL-6   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 8157-82CSCB                  |                                                              | 2/4/2010        | DIGESTER GAS                      |                      |
|         |                                        |                                       | <b>Incident Summary:</b>     | City of Orillia - digester gas to atm                        |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Cause:</b>       | Discharge or Emission to Air                                 |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Reason:</b>      | Other - Reason not otherwise defined                         |                 |                                   |                      |
|         |                                        |                                       | <b>Nature of Impact:</b>     | Air Pollution                                                |                 |                                   |                      |
|         |                                        |                                       | <b>Receiving Medium:</b>     |                                                              |                 |                                   |                      |
|         |                                        |                                       | <b>Environmental Impact:</b> | Not Anticipated                                              |                 |                                   |                      |
| SPL-7   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia            | 4126-7V52SA                  |                                                              | 8/20/2009       | SEWAGE,SECONDARY<br>UNCHLORINATED |                      |
|         |                                        |                                       | <b>Incident Summary:</b>     | BP: Orillia WWTC:Final effluent (sec. non trtd) to L. Simcoe |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Cause:</b>       | Discharge Or Bypass To A Watercourse                         |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Reason:</b>      | Spill                                                        |                 |                                   |                      |
|         |                                        |                                       | <b>Nature of Impact:</b>     | Surface Water Pollution                                      |                 |                                   |                      |
|         |                                        |                                       | <b>Receiving Medium:</b>     |                                                              |                 |                                   |                      |
|         |                                        |                                       | <b>Environmental Impact:</b> | Confirmed                                                    |                 |                                   |                      |
| SPL-8   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 7822-<br>7VYKKN              |                                                              | 9/17/2009       | SEWAGE,SECONDARY<br>CHLORINATED   | 667 m3               |
|         |                                        |                                       | <b>Incident Summary:</b>     | Orillia WWTC: secondary treated effluent to L. Simcoe        |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Cause:</b>       | Discharge Or Bypass To A Watercourse                         |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Reason:</b>      | Power Interruption - Loss of electrical power                |                 |                                   |                      |
|         |                                        |                                       | <b>Nature of Impact:</b>     | Surface Water Pollution                                      |                 |                                   |                      |
|         |                                        |                                       | <b>Receiving Medium:</b>     |                                                              |                 |                                   |                      |
|         |                                        |                                       | <b>Environmental Impact:</b> | Confirmed                                                    |                 |                                   |                      |
| SPL-9   | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 5224-7GFH2J                  |                                                              | 7/11/2008       | SLUDGE (N.O.S.)                   | 500 L                |
|         |                                        |                                       | <b>Incident Summary:</b>     | Orillia WWTP:500 L sludge spill, cleaning, digester overflow |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Cause:</b>       | Other Discharges                                             |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Reason:</b>      | Material Failure - Poor design or substandard materials      |                 |                                   |                      |
|         |                                        |                                       | <b>Nature of Impact:</b>     | Human Health/Safety; Soil Contamination                      |                 |                                   |                      |
|         |                                        |                                       | <b>Receiving Medium:</b>     |                                                              |                 |                                   |                      |
|         |                                        |                                       | <b>Environmental Impact:</b> | Confirmed                                                    |                 |                                   |                      |
| SPL-10  | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9 | 8118-7DTLEP                  |                                                              | 4/18/2008       | SEWAGE,SECONDARY<br>UNCHLORINATED | 1330 m3              |
|         |                                        |                                       | <b>Incident Summary:</b>     | Orillia WWTC: 1330 m3 non-disinfect effluent to Lake Simcoe  |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Cause:</b>       | Discharge Or Bypass To A Watercourse                         |                 |                                   |                      |
|         |                                        |                                       | <b>Incident Reason:</b>      | Equipment Failure                                            |                 |                                   |                      |
|         |                                        |                                       | <b>Nature of Impact:</b>     | Surface Water Pollution                                      |                 |                                   |                      |
|         |                                        |                                       | <b>Receiving Medium:</b>     |                                                              |                 |                                   |                      |
|         |                                        |                                       | <b>Environmental Impact:</b> | Possible                                                     |                 |                                   |                      |

## Ontario Spills

| Map Key | Company                                | Address                                                                        | Ref No.                                                                                                                                                                                                                                                                                                                 | Incident Dt | MOE Reported Dt | Contaminant Name                  | Contaminant Quantity |
|---------|----------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|-----------------------------------|----------------------|
| SPL-11  | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9                                          | 3404-7CUP34                                                                                                                                                                                                                                                                                                             |             | 3/18/2008       | SEWAGE,SECONDARY<br>UNCHLORINATED | 500 m3               |
|         |                                        |                                                                                | <b>Incident Summary:</b> Orillia WWTP;effluent bypassed UV treatment;power failure<br><b>Incident Cause:</b> Discharge Or Bypass To A Watercourse<br><b>Incident Reason:</b> Equipment Failure<br><b>Nature of Impact:</b> Surface Water Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Possible |             |                 |                                   |                      |
| SPL-12  | The Corporation of the City of Orillia | 40 Kitchener St<br>Orillia<br>L3V 6Z9                                          | 4822-7BJLR6                                                                                                                                                                                                                                                                                                             |             | 2/5/2008        | DIGESTER GAS                      | 30 min (duration)    |
|         |                                        |                                                                                | <b>Incident Summary:</b> Orillia WWTC: Anaerobic Digester Gas to atm<br><b>Incident Cause:</b> Process Upset<br><b>Incident Reason:</b> Process upset<br><b>Nature of Impact:</b> Air Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Confirmed                                                   |             |                 |                                   |                      |
| SPL-13  | PRIVATE RESIDENCE                      | 580 WEST STREET SOUTH, UNIT 79.<br>FURNACE OIL TANK<br>ORILLIA CITY<br>L3V 6L8 | 88993                                                                                                                                                                                                                                                                                                                   | //          | 7/27/1993       |                                   |                      |
|         |                                        |                                                                                | <b>Incident Summary:</b> PRIVATE RESIDENCE-FURNACEOIL TANK LEAK TO GROUND.<br><b>Incident Cause:</b> UNDERGROUND TANK LEAK<br><b>Incident Reason:</b> MATERIAL FAILURE<br><b>Nature of Impact:</b> Soil contamination<br><b>Receiving Medium:</b> LAND<br><b>Environmental Impact:</b> CONFIRMED                        |             |                 |                                   |                      |
| SPL-14  |                                        | PARKSIDE ESTATES 580 WEST ST SOUTH.<UNOFFICIAL><br>Orillia<br>L3V 6L8          | 1104-5LKTQV                                                                                                                                                                                                                                                                                                             |             | 4/13/2003       | RAW SEWAGE                        |                      |
|         |                                        |                                                                                | <b>Incident Summary:</b> Parkside Estates Trailer Homes-Sewage spill<br><b>Incident Cause:</b><br><b>Incident Reason:</b><br><b>Nature of Impact:</b><br><b>Receiving Medium:</b> Land<br><b>Environmental Impact:</b>                                                                                                  |             |                 |                                   |                      |
| SPL-15  |                                        | Unit 65, 580 West St. South<br>Orillia<br>L3V 6L8                              | 7751-7DEQUH                                                                                                                                                                                                                                                                                                             |             | 4/5/2008        | FURNACE OIL                       | 450 L                |
|         |                                        |                                                                                | <b>Incident Summary:</b> 580 West St. South - less than 500 L furnace oil to grd<br><b>Incident Cause:</b> Tank (Above Ground) Leak<br><b>Incident Reason:</b> Equipment Failure<br><b>Nature of Impact:</b> Soil Contamination<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Confirmed                   |             |                 |                                   |                      |



## Ontario Spills

| Map Key | Company     | Address                                                         | Ref No.                      | Incident Dt                                                                 | MOE Reported Dt | Contaminant Name | Contaminant Quantity |
|---------|-------------|-----------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------|-----------------|------------------|----------------------|
| SPL-16  | ORILLIA PUC | LAKE SIMCOE<br>ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY | 244322                       | 11/25/2002                                                                  | 11/25/2002      |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | WPCP - UNCHLORINATED EFFLUENT DISCHARGE DUE TO PROB ON CHLORINATOR.         |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | WASTEWATER DISCHARGE TO WATERCOURSE                                         |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                           |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     |                                                                             |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | WATER                                                                       |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                             |                 |                  |                      |
| SPL-17  | ORILLIA PUC | ORILLIA WPCP KITCHENER<br>STREET<br>ORILLIA CITY                | 109861                       | 2/7/1995                                                                    | 2/7/1995        |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | ORILLIA WPCP- 90 MIN METHANE GAS TO ATM FROM DIGESTOR, FROZEN VALVE.        |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | VALVE/FITTING LEAK OR FAILURE                                               |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | ICE/FROST DAMAGE                                                            |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     | Air Pollution                                                               |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | AIR                                                                         |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | POSSIBLE                                                                    |                 |                  |                      |
| SPL-18  | ORILLIA PUC | ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY                | 125014                       | 4/16/1996                                                                   | 4/16/1996       |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | ORILLIA WPCP-90 L DIESEL TO GND FROM STORAGE TANK.HOSE RUPTURE.TO BE CLEAND |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | PIPE/HOSE LEAK                                                              |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | OVERSTRESS/OVERPRESSURE                                                     |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     | Soil contamination                                                          |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | LAND                                                                        |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | CONFIRMED                                                                   |                 |                  |                      |
| SPL-19  | ORILLIA PUC | ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY                | 26745                        | 10/19/1989                                                                  | 10/19/1989      |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | PUC - 169 M3 2NDARY SEWAGE BYPASS OVER 30 MINCHLORINE INCREASED.            |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | VALVE/FITTING LEAK OR FAILURE                                               |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                           |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     | Water course or lake                                                        |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | WATER                                                                       |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | POSSIBLE                                                                    |                 |                  |                      |
| SPL-20  | ORILLIA PUC | ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY                | 53145                        | 6/27/1991                                                                   | 6/27/1991       |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | ORILLIA PUC: FAULTY VALVERELEASED DIGESTER GAS TO AIR                       |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | VALVE/FITTING LEAK OR FAILURE                                               |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                           |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     | Other                                                                       |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | AIR                                                                         |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | POSSIBLE                                                                    |                 |                  |                      |

## Ontario Spills

| Map Key | Company     | Address                                                         | Ref No.                      | Incident Dt                                                           | MOE Reported Dt | Contaminant Name | Contaminant Quantity |
|---------|-------------|-----------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------|-----------------|------------------|----------------------|
| SPL-21  | ORILLIA PUC | ORILLIA WPCP<br>ORILLIA WPCP KITCHENER STREET<br>ORILLIA CITY   | 115075                       | 6/29/1995                                                             | 6/29/1995       |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | ORILLIA WPCP:SEWAGE GRIT TO ROADWAY ON PLANT PROPERTY: CLEANED        |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | UNKNOWN                                                               |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | UNKNOWN                                                               |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     | Other                                                                 |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | LAND                                                                  |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | POSSIBLE                                                              |                 |                  |                      |
| SPL-22  | ORILLIA PUC | ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY                | 38538                        | 7/31/1990                                                             | 8/1/1990        |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | ORILLIA PUC (WPCP): 2 MILLION LITRE SEWAGE BYPASS                     |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | WASTEWATER DISCHARGE TO WATERCOURSE                                   |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                     |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     | Water course or lake                                                  |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | WATER                                                                 |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | POSSIBLE                                                              |                 |                  |                      |
| SPL-23  | ORILLIA PUC | LAKE SIMCOE<br>ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY | 38648                        | 8/2/1990                                                              | 8/2/1990        |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | WPCP -SECONDARY SEWAGE BYPASS (CHLORINATED) DUE TO EQUIPMENT FAILURE. |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | WASTEWATER DISCHARGE TO WATERCOURSE                                   |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                     |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     |                                                                       |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | WATER                                                                 |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                       |                 |                  |                      |
| SPL-24  | ORILLIA PUC | ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY                | 19863                        | 6/7/1989                                                              | 6/7/1989        |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | ORILLIA SECONDARY SEWAGE SPILL, 15000 GAL                             |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | WASTEWATER DISCHARGE TO WATERCOURSE                                   |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | OTHER                                                                 |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     |                                                                       |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | WATER                                                                 |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> |                                                                       |                 |                  |                      |
| SPL-25  | ORILLIA PUC | ORILLIA WPCP<br>KITCHENER STREET<br>ORILLIA CITY                | 23605                        | 8/14/1989                                                             | 8/14/1989       |                  |                      |
|         |             |                                                                 | <b>Incident Summary:</b>     | ORILLIA WTP - 45,000 L OF SEWAGE BYPASSED TO LAKE SIMCOE.             |                 |                  |                      |
|         |             |                                                                 | <b>Incident Cause:</b>       | WASTEWATER DISCHARGE TO WATERCOURSE                                   |                 |                  |                      |
|         |             |                                                                 | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                     |                 |                  |                      |
|         |             |                                                                 | <b>Nature of Impact:</b>     |                                                                       |                 |                  |                      |
|         |             |                                                                 | <b>Receiving Medium:</b>     | WATER                                                                 |                 |                  |                      |
|         |             |                                                                 | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                       |                 |                  |                      |

## Ontario Spills

| Map Key | Company                                | Address                                                                                | Ref No.                      | Incident Dt                                                              | MOE Reported Dt | Contaminant Name         | Contaminant Quantity               |
|---------|----------------------------------------|----------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------|-----------------|--------------------------|------------------------------------|
| SPL-26  | The Corporation of the City of Orillia | 100 Kitchener St<br>Orillia                                                            | 6156-7WKP3C                  |                                                                          | 10/6/2009       | ENGINE OIL               | 0 other - see incident description |
|         |                                        |                                                                                        | <b>Incident Summary:</b>     | spill of TT operating fluids at Orillia landfill, cleaned                |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Cause:</b>       | Other Transport Accident                                                 |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Reason:</b>      |                                                                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Nature of Impact:</b>     | Soil Contamination                                                       |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Receiving Medium:</b>     |                                                                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Environmental Impact:</b> | Not Anticipated                                                          |                 |                          |                                    |
| SPL-27  | The Corporation of the City of Orillia | 100 Kitchener St<br>LOTS 11 & 12, CONC. 4<br>Orillia                                   | 7407-769QEP                  |                                                                          | 8/20/2007       | CHLOROFLUOROCARBON (CFC) | 3.8 kg                             |
|         |                                        |                                                                                        | <b>Incident Summary:</b>     | CFC released to atm. - 3.8kg - Cause: Vandalism                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Cause:</b>       | Discharge or Emission to Air                                             |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Reason:</b>      | Vandalism - Illegal/deliberate (incl. sabotage)                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Nature of Impact:</b>     | Air Pollution                                                            |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Receiving Medium:</b>     | Air                                                                      |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Environmental Impact:</b> | Not Anticipated                                                          |                 |                          |                                    |
| SPL-28  | The Corporation of the City of Orillia | 100 Kitchener St<br>Orillia                                                            | 6132-86FPE5                  |                                                                          | 6/15/2010       | SMOKE                    | 0 other - see incident description |
|         |                                        |                                                                                        | <b>Incident Summary:</b>     | City of Orillia landfill fire in buffer area Sunday vandals              |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Cause:</b>       | Discharge or Emission to Air                                             |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Reason:</b>      | Vandalism - Illegal/deliberate (incl. sabotage)                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Nature of Impact:</b>     | Air Pollution                                                            |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Receiving Medium:</b>     |                                                                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Environmental Impact:</b> | Confirmed                                                                |                 |                          |                                    |
| SPL-29  | The Corporation of the City of Orillia | Kitchener Street<br>Orillia                                                            | 5448-876KLJ                  |                                                                          | 7/8/2010        | REFRIGERANT GAS, N.O.S.  | 0 other - see incident description |
|         |                                        |                                                                                        | <b>Incident Summary:</b>     | Orillia Waste Diversion Site, refrigerant to atm, vandalism              |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Cause:</b>       | Discharge or Emission to Air                                             |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Reason:</b>      | Vandalism - Illegal/deliberate (incl. sabotage)                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Nature of Impact:</b>     | Air Pollution                                                            |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Receiving Medium:</b>     |                                                                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Environmental Impact:</b> | Confirmed                                                                |                 |                          |                                    |
| SPL-30  | CP BULK SYSTEMS                        | 11 A TO UNITED DRIVE<br>FUEL TERMINAL<br>TANK TRUCK (CARGO)<br>ORILLIA CITY<br>L3V 6H1 | 2958                         | 4/28/1988                                                                | 4/28/1988       |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Summary:</b>     | BULK SYSTEM- GASOLINE, DIESEL & STOVE OIL FROM OVERTURNED TRUCK AT TERM. |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Cause:</b>       | TRUCK/TRAILER OVERTURN                                                   |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Incident Reason:</b>      | UNKNOWN                                                                  |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Nature of Impact:</b>     |                                                                          |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Receiving Medium:</b>     | LAND                                                                     |                 |                          |                                    |
|         |                                        |                                                                                        | <b>Environmental Impact:</b> |                                                                          |                 |                          |                                    |

## Ontario Spills

| Map Key | Company                              | Address                                                                                                                                      | Ref No.                      | Incident Dt                                                            | MOE Reported Dt | Contaminant Name | Contaminant Quantity |
|---------|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|------------------------------------------------------------------------|-----------------|------------------|----------------------|
| SPL-31  | UNITED CO-OP                         | AT UNITED CO-OP AT 500<br>MEMORIAL DRIVE<br>CHESLEY BULK PLANT<br>ORILLIA CITY                                                               | 78919                        | 11/17/1992                                                             | 11/17/1992      |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Summary:</b>     | UNITED CO-OP - 50 L OF OF DIESEL FUEL TO CEMENT FROM FAULTY NOZZLE.    |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Cause:</b>       | PIPE/HOSE LEAK                                                         |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                      |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Nature of Impact:</b>     |                                                                        |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                   |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                        |                 |                  |                      |
| SPL-32  | Granco Fuel<br>Terminals<UNOFFICIAL> | 35 United Drive<br>Orillia<br>L3V 6H1                                                                                                        | 8806-5N9LEQ                  | 6/5/2003                                                               | 6/6/2003        | DIESEL FUEL      | 910 L                |
|         |                                      |                                                                                                                                              | <b>Incident Summary:</b>     | Granco Fuel - 200 gal of clear diesel                                  |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Cause:</b>       | Tank (Above Ground) Leak                                               |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Reason:</b>      | Error- Operator error                                                  |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Nature of Impact:</b>     | Other Impact(s)                                                        |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Receiving Medium:</b>     | Land                                                                   |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Environmental Impact:</b> | Possible                                                               |                 |                  |                      |
| n/a     | TRANSPORT TRUCK                      | HWY 12 NEAR PRICES CORNERS<br>IN PARKING LOT OF FORMER<br>RANCHERO RESTAURANT.<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORO-MEDONTE TOWNSHIP | 97085                        | 3/6/1994                                                               | 3/6/1994        |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Summary:</b>     | MCKEVITT TRUCKING LTD.- 10-20 L DIESEL TO ROADWAYCONTAINED,CLEANED.    |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                                   |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Reason:</b>      | MATERIAL FAILURE                                                       |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Nature of Impact:</b>     | Multi Media Pollution                                                  |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                   |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Environmental Impact:</b> | POSSIBLE                                                               |                 |                  |                      |
| n/a     | PRIVATE OWNER                        | MEMORIAL AVE/CO-OP DRIVE.<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORILLIA CITY                                                              | 111549                       | 4/1/1995                                                               | 4/1/1995        |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Summary:</b>     | PRIVATE OWNERS-4 L OPERA-TING FLUIDS TO GROUND,MVACLEANED UP BY FD.    |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Cause:</b>       | OTHER TRANSPORTATION ACCIDENT                                          |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Reason:</b>      | UNKNOWN                                                                |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Nature of Impact:</b>     |                                                                        |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                   |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                        |                 |                  |                      |
| n/a     | TRANSPORT TRUCK                      | HWY #11 SOUTHBOUND,<br>BETWEEN COLD WATER RD &<br>WEST ST.<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORILLIA CITY                             | 111687                       | 4/6/1995                                                               | 4/6/1995        |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Summary:</b>     | POOLE TRUCKING - 225 L DIESEL TO HWY #11 FROM JACKNIFED TRUCK,FD, MTO. |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Cause:</b>       | OTHER TRANSPORTATION ACCIDENT                                          |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Incident Reason:</b>      | UNKNOWN                                                                |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Nature of Impact:</b>     | Soil contamination                                                     |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                   |                 |                  |                      |
|         |                                      |                                                                                                                                              | <b>Environmental Impact:</b> | CONFIRMED                                                              |                 |                  |                      |

## Ontario Spills

| Map Key | Company              | Address                                                                                          | Ref No.                      | Incident Dt                                                                 | MOE Reported Dt | Contaminant Name | Contaminant Quantity |
|---------|----------------------|--------------------------------------------------------------------------------------------------|------------------------------|-----------------------------------------------------------------------------|-----------------|------------------|----------------------|
| n/a     | TRANSPORT TRUCK      | FROM WEST ST NORTH UP TO<br>REGENT ST.<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORILLIA CITY     | 114541                       | 6/16/1995                                                                   | 6/16/1995       |                  |                      |
|         |                      |                                                                                                  | <b>Incident Summary:</b>     | HAMMOND TRANSPORT- 15 L DIESEL ALONG 4 KM FROM SCHOOL BUS, ERROR, WORKS.    |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                                        |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Reason:</b>      | ERROR                                                                       |                 |                  |                      |
|         |                      |                                                                                                  | <b>Nature of Impact:</b>     | Soil contamination                                                          |                 |                  |                      |
|         |                      |                                                                                                  | <b>Receiving Medium:</b>     | LAND                                                                        |                 |                  |                      |
|         |                      |                                                                                                  | <b>Environmental Impact:</b> | POSSIBLE                                                                    |                 |                  |                      |
| n/a     | CONSTRUCTION COMPANY | MEMORIAL AVENUE<br>ORILLIA CITY                                                                  | 116999                       | 8/10/1995                                                                   | 8/10/1995       |                  |                      |
|         |                      |                                                                                                  | <b>Incident Summary:</b>     | PCL CONSTRUCTION: 90 L CALCIUM CHLORIDE TO PARKING LOT                      |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Cause:</b>       | ABOVE-GROUND TANK LEAK                                                      |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Reason:</b>      | UNKNOWN                                                                     |                 |                  |                      |
|         |                      |                                                                                                  | <b>Nature of Impact:</b>     |                                                                             |                 |                  |                      |
|         |                      |                                                                                                  | <b>Receiving Medium:</b>     | LAND                                                                        |                 |                  |                      |
|         |                      |                                                                                                  | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                             |                 |                  |                      |
| n/a     | PRIVATE OWNER        | LAKE RAND INN PARKING LOT,<br>MEMORIAL AVE<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORILLIA CITY | 118776                       | 9/21/1995                                                                   | 9/21/1995       |                  |                      |
|         |                      |                                                                                                  | <b>Incident Summary:</b>     | PRIVATE MOTOR VEHICLE-45LGAS TO PVMT.NO ENV IMPACT-CITY ORILLIA WD CLEANING |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                                        |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Reason:</b>      | ERROR                                                                       |                 |                  |                      |
|         |                      |                                                                                                  | <b>Nature of Impact:</b>     |                                                                             |                 |                  |                      |
|         |                      |                                                                                                  | <b>Receiving Medium:</b>     | LAND / AIR                                                                  |                 |                  |                      |
|         |                      |                                                                                                  | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                             |                 |                  |                      |
| n/a     | UNKNOWN              | MEMORIAL AVE.<br>ORILLIA CITY                                                                    | 120208                       | 10/30/1995                                                                  | 10/30/1995      |                  |                      |
|         |                      |                                                                                                  | <b>Incident Summary:</b>     | SOURCE UNKNOWN-50 L GASO-LINE DUMPED ON PRIVATE PROPERTY,WORKS,CLEANED UP   |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                                        |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Reason:</b>      | INTENTIONAL/PLANNED                                                         |                 |                  |                      |
|         |                      |                                                                                                  | <b>Nature of Impact:</b>     | Soil contamination                                                          |                 |                  |                      |
|         |                      |                                                                                                  | <b>Receiving Medium:</b>     | LAND                                                                        |                 |                  |                      |
|         |                      |                                                                                                  | <b>Environmental Impact:</b> | CONFIRMED                                                                   |                 |                  |                      |
| n/a     | UNKNOWN              | HWY 12 THROUGH CITY ON<br>BYPASS, OUT TOWARDS<br>THERLEY<br>ORILLIA CITY                         | 1310                         | 6/14/1988                                                                   | 6/14/1988       |                  |                      |
|         |                      |                                                                                                  | <b>Incident Summary:</b>     | UNKNOWN MAT'L. ON HWY 12.                                                   |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Cause:</b>       | UNKNOWN                                                                     |                 |                  |                      |
|         |                      |                                                                                                  | <b>Incident Reason:</b>      | UNKNOWN                                                                     |                 |                  |                      |
|         |                      |                                                                                                  | <b>Nature of Impact:</b>     |                                                                             |                 |                  |                      |
|         |                      |                                                                                                  | <b>Receiving Medium:</b>     | LAND                                                                        |                 |                  |                      |
|         |                      |                                                                                                  | <b>Environmental Impact:</b> |                                                                             |                 |                  |                      |

## Ontario Spills

| Map Key | Company                         | Address                                                                                      | Ref No.                      | Incident Dt                                                             | MOE Reported Dt | Contaminant Name | Contaminant Quantity |
|---------|---------------------------------|----------------------------------------------------------------------------------------------|------------------------------|-------------------------------------------------------------------------|-----------------|------------------|----------------------|
| n/a     | DOLLAR SNACK BAR                | CENTRAL DISPOSAL DUMPSTER<br>LEASED BY DOLLAR SNACK BAR<br>BEHIND RESTAURANT<br>ORILLIA CITY | 8464                         | 8/22/1988                                                               | 8/22/1988       |                  |                      |
|         |                                 |                                                                                              | <b>Incident Summary:</b>     | DOLLAR SNACK BAR-SMALL QUANTITY OF OIL TO GROUND FROM DUMPSTER          |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Cause:</b>       | OTHER CAUSE (N.O.S.)                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Reason:</b>      | OTHER                                                                   |                 |                  |                      |
|         |                                 |                                                                                              | <b>Nature of Impact:</b>     |                                                                         |                 |                  |                      |
|         |                                 |                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                         |                 |                  |                      |
| n/a     | UNKNOWN                         | HWYS. 11&12, GILL ST. & WEST<br>ST.<br>ORILLIA CITY                                          | 10460                        | 10/14/1988                                                              | 10/14/1988      |                  |                      |
|         |                                 |                                                                                              | <b>Incident Summary:</b>     | OPP -UNKNOWN OILY SUBSTANCE ON ROAD.                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Cause:</b>       | OTHER CAUSE (N.O.S.)                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Reason:</b>      | OTHER                                                                   |                 |                  |                      |
|         |                                 |                                                                                              | <b>Nature of Impact:</b>     |                                                                         |                 |                  |                      |
|         |                                 |                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Environmental Impact:</b> |                                                                         |                 |                  |                      |
| n/a     | UNKNOWN                         | KITCHENER ST. SANITARY<br>LANDFILL SITE<br>ORILLIA CITY                                      | 12304                        | 11/29/1988                                                              | 11/29/1988      |                  |                      |
|         |                                 |                                                                                              | <b>Incident Summary:</b>     |                                                                         |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                       |                 |                  |                      |
|         |                                 |                                                                                              | <b>Nature of Impact:</b>     |                                                                         |                 |                  |                      |
|         |                                 |                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Environmental Impact:</b> |                                                                         |                 |                  |                      |
| n/a     | GRANCO FUELS                    | TANK TRUCK (CARGO)<br>ORILLIA CITY                                                           | 20389                        | 4/14/1989                                                               | 4/14/1989       |                  |                      |
|         |                                 |                                                                                              | <b>Incident Summary:</b>     | BACKENTRY - GRANCO FUELS 20L OIL IN RAILWAY DITCH                       |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Cause:</b>       | OTHER CAUSE (N.O.S.)                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Reason:</b>      | OTHER                                                                   |                 |                  |                      |
|         |                                 |                                                                                              | <b>Nature of Impact:</b>     |                                                                         |                 |                  |                      |
|         |                                 |                                                                                              | <b>Receiving Medium:</b>     | LAND                                                                    |                 |                  |                      |
|         |                                 |                                                                                              | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                         |                 |                  |                      |
| n/a     | CONSUMERS' GAS CO. LTD.,<br>THE | 12 CONC,MEDONTE & HWY 12<br>WEST<br>NATURAL GAS PIPELINE<br>ORO-MEDONTE TOWNSHIP             | 45400                        | 1/5/1991                                                                | 1/6/1991        |                  |                      |
|         |                                 |                                                                                              | <b>Incident Summary:</b>     | CONSUMERS GAS-UG PIPELINE LEAK, VENTING TO AIR, NO REPAIR UNTILL MONDAY |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Cause:</b>       | PIPE/HOSE LEAK                                                          |                 |                  |                      |
|         |                                 |                                                                                              | <b>Incident Reason:</b>      | ICE/FROST DAMAGE                                                        |                 |                  |                      |
|         |                                 |                                                                                              | <b>Nature of Impact:</b>     | Air Pollution                                                           |                 |                  |                      |
|         |                                 |                                                                                              | <b>Receiving Medium:</b>     | AIR                                                                     |                 |                  |                      |
|         |                                 |                                                                                              | <b>Environmental Impact:</b> | POSSIBLE                                                                |                 |                  |                      |

## Ontario Spills

| Map Key | Company         | Address                                                                            | Ref No.                      | Incident Dt                                                        | MOE Reported Dt | Contaminant Name | Contaminant Quantity |
|---------|-----------------|------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------|-----------------|------------------|----------------------|
| n/a     | TRANSPORT TRUCK | HWY 12B & MEMORIAL AVE.<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORILLIA CITY      | 53701                        | 7/8/1991                                                           | 7/8/1991        |                  |                      |
|         |                 |                                                                                    | <b>Incident Summary:</b>     | TRANSPORT TRUCK: DIESEL FUEL LEAK FROM SADDLE TANK                 |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                               |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Reason:</b>      | DAMAGE BY MOVING EQUIPMENT                                         |                 |                  |                      |
|         |                 |                                                                                    | <b>Nature of Impact:</b>     | Soil Contamination                                                 |                 |                  |                      |
|         |                 |                                                                                    | <b>Receiving Medium:</b>     | LAND / WATER                                                       |                 |                  |                      |
|         |                 |                                                                                    | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                    |                 |                  |                      |
| n/a     | MITCHELL FUELS  | LOT 11, CON 6<br>SIMCOE TOWN                                                       | 65564                        | //                                                                 | 12/26/1991      |                  |                      |
|         |                 |                                                                                    | <b>Incident Summary:</b>     | ELGIN MITCHELL: 15,000 M3NATURAL GAS TO ATM FROM PIPELINE LEAK.    |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Cause:</b>       | PIPE/HOSE LEAK                                                     |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Reason:</b>      | EQUIPMENT FAILURE                                                  |                 |                  |                      |
|         |                 |                                                                                    | <b>Nature of Impact:</b>     | Air Pollution                                                      |                 |                  |                      |
|         |                 |                                                                                    | <b>Receiving Medium:</b>     | AIR                                                                |                 |                  |                      |
|         |                 |                                                                                    | <b>Environmental Impact:</b> | CONFIRMED                                                          |                 |                  |                      |
| n/a     | MOTOR VEHICLE   | WEST ST.<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORILLIA CITY                     | 68374                        | 3/23/1992                                                          | 3/25/1992       |                  |                      |
|         |                 |                                                                                    | <b>Incident Summary:</b>     | MOTOR VEHICLE: 90L DIESELFUEL LEAK TO PARKING LOT                  |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                               |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Reason:</b>      | UNKNOWN                                                            |                 |                  |                      |
|         |                 |                                                                                    | <b>Nature of Impact:</b>     |                                                                    |                 |                  |                      |
|         |                 |                                                                                    | <b>Receiving Medium:</b>     | LAND                                                               |                 |                  |                      |
|         |                 |                                                                                    | <b>Environmental Impact:</b> | NOT ANTICIPATED                                                    |                 |                  |                      |
| n/a     | TRANSPORT TRUCK | HWY 12 AND ATHERLY RD<br>MOTOR VEHICLE (OPERATING<br>FLUID)<br>ORILLIA CITY        | 85212                        | 5/6/1993                                                           | 5/7/1993        |                  |                      |
|         |                 |                                                                                    | <b>Incident Summary:</b>     | TRANSPORT TRUCK - 60 L OFDIESEL FUEL TO GROUND ANDDITCH            |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Cause:</b>       | OTHER CONTAINER LEAK                                               |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Reason:</b>      | ERROR                                                              |                 |                  |                      |
|         |                 |                                                                                    | <b>Nature of Impact:</b>     | Soil contamination                                                 |                 |                  |                      |
|         |                 |                                                                                    | <b>Receiving Medium:</b>     | LAND / WATER                                                       |                 |                  |                      |
|         |                 |                                                                                    | <b>Environmental Impact:</b> | CONFIRMED                                                          |                 |                  |                      |
| n/a     | UNKNOWN         | FROM PROPERTY AT MEMORIAL<br>AVE. & PROGRESS DR. TO<br>MILL CREEK.<br>ORILLIA CITY | 125374                       | 4/22/1996                                                          | 4/22/1996       |                  |                      |
|         |                 |                                                                                    | <b>Incident Summary:</b>     | PRIVATE PROPERTY: OIL SHEEN WASHING INTO CREEK,WORKS DEPT. BOOMED. |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Cause:</b>       | OTHER CAUSE (N.O.S.)                                               |                 |                  |                      |
|         |                 |                                                                                    | <b>Incident Reason:</b>      | OTHER                                                              |                 |                  |                      |
|         |                 |                                                                                    | <b>Nature of Impact:</b>     | Water course or lake                                               |                 |                  |                      |
|         |                 |                                                                                    | <b>Receiving Medium:</b>     | LAND / WATER                                                       |                 |                  |                      |
|         |                 |                                                                                    | <b>Environmental Impact:</b> | POSSIBLE                                                           |                 |                  |                      |



## Ontario Spills

| Map Key | Company                                     | Address                                                                                                     | Ref No.                      | Incident Dt | MOE Reported Dt                                                            | Contaminant Name | Contaminant Quantity |
|---------|---------------------------------------------|-------------------------------------------------------------------------------------------------------------|------------------------------|-------------|----------------------------------------------------------------------------|------------------|----------------------|
| n/a     | ONTARIO HYDRO                               | CONC 2, LOT 11, FIRE # 1279, ORO TWP.<br>TRANSFORMER<br>ORO-MEDONTE TOWNSHIP                                | 158034                       | 7/15/1998   | 7/16/1998                                                                  |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Summary:</b>     |             | ONTARIO HYDRO-4 L TRANS-FORMER OIL ONTO SAND,WIND BLEW POLE, WILL CLEANUP. |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Cause:</b>       |             | COOLING SYSTEM LEAK                                                        |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Reason:</b>      |             | STORM/FLOOD/WIND                                                           |                  |                      |
|         |                                             |                                                                                                             | <b>Nature of Impact:</b>     |             | Soil contamination                                                         |                  |                      |
|         |                                             |                                                                                                             | <b>Receiving Medium:</b>     |             | LAND                                                                       |                  |                      |
|         |                                             |                                                                                                             | <b>Environmental Impact:</b> |             | CONFIRMED                                                                  |                  |                      |
| n/a     | MILLER PAVING                               | ATHERLY RD, CLOSE TO HWY 12<br>BY THE LEACOCK MUSEUM<br>ORILLIA CITY                                        | 226611                       | 5/29/2002   | 5/29/2002                                                                  |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Summary:</b>     |             | MILLER PAVING (PETROLEUM) MVA: 30-40L DIESEL TO WET DITCH.                 |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Cause:</b>       |             | TRUCK/TRAILER OVERTURN                                                     |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Reason:</b>      |             | UNKNOWN                                                                    |                  |                      |
|         |                                             |                                                                                                             | <b>Nature of Impact:</b>     |             | Soil contamination                                                         |                  |                      |
|         |                                             |                                                                                                             | <b>Receiving Medium:</b>     |             | LAND                                                                       |                  |                      |
|         |                                             |                                                                                                             | <b>Environmental Impact:</b> |             | POSSIBLE                                                                   |                  |                      |
| n/a     | RJM Truckline<UNOFFICIAL>                   | OFF OF HWY 12 BYPASS<br>BETWEEN HWY 11 AND<br>MEMORIAL AVE.<UNOFFICIAL><br>Orillia                          | 8613-66EJ4T                  | 11/4/2004   | 11/4/2004                                                                  | HYDRAULIC OIL    | 25 L                 |
|         |                                             |                                                                                                             | <b>Incident Summary:</b>     |             | RJM Truckline,25 L hydraulic fluid to ditch,cln                            |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Cause:</b>       |             | Other Discharges                                                           |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Reason:</b>      |             |                                                                            |                  |                      |
|         |                                             |                                                                                                             | <b>Nature of Impact:</b>     |             | Soil Contamination                                                         |                  |                      |
|         |                                             |                                                                                                             | <b>Receiving Medium:</b>     |             | Land                                                                       |                  |                      |
|         |                                             |                                                                                                             | <b>Environmental Impact:</b> |             | Possible                                                                   |                  |                      |
| n/a     | Rumball Excavation &<br>Haulage<UNOFFICIAL> | Between Memorial Dr. and Highway<br>12, near exit 131A<br>NORTH BOUND- HIGHWAY<br>11<UNOFFICIAL><br>Orillia | 1204-<br>6QZGSC              | 6/22/2006   | 6/22/2006                                                                  | DIESEL FUEL      | 110 L                |
|         |                                             |                                                                                                             | <b>Incident Summary:</b>     |             | MVA- saddle tank rupture - 25 gals to ditch - Hwy. 11                      |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Cause:</b>       |             | Other Transport Accident                                                   |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Reason:</b>      |             | Damage By Moving Equipment - Containers damaged by moving                  |                  |                      |
|         |                                             |                                                                                                             | <b>Nature of Impact:</b>     |             | Soil Contamination                                                         |                  |                      |
|         |                                             |                                                                                                             | <b>Receiving Medium:</b>     |             | Land                                                                       |                  |                      |
|         |                                             |                                                                                                             | <b>Environmental Impact:</b> |             | Confirmed                                                                  |                  |                      |
| n/a     | Peter Hay<br>Trucking<UNOFFICIAL>           | HWY 12 AND WEST RIDGE IN<br>ORILLIA<UNOFFICIAL><br>Orillia                                                  | 8235-6VEVPP                  | 11/10/2006  | 11/10/2006                                                                 | DIESEL FUEL      | 100 l                |
|         |                                             |                                                                                                             | <b>Incident Summary:</b>     |             | Transport Truck(s)-100 L Diesel to Ditch,Contained,MVA.                    |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Cause:</b>       |             |                                                                            |                  |                      |
|         |                                             |                                                                                                             | <b>Incident Reason:</b>      |             |                                                                            |                  |                      |
|         |                                             |                                                                                                             | <b>Nature of Impact:</b>     |             | Soil Contamination                                                         |                  |                      |
|         |                                             |                                                                                                             | <b>Receiving Medium:</b>     |             | Land                                                                       |                  |                      |
|         |                                             |                                                                                                             | <b>Environmental Impact:</b> |             | Possible                                                                   |                  |                      |

## Ontario Spills

| Map Key | Company                             | Address                                                                                          | Ref No.                                                                                                                                                                                                                                                                                                                 | Incident Dt | MOE Reported Dt | Contaminant Name | Contaminant Quantity                |
|---------|-------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|------------------|-------------------------------------|
| n/a     |                                     | 385 Memorial Ave.<br>Orillia<br>L3V 6H1                                                          | 6540-<br>7DWR7U                                                                                                                                                                                                                                                                                                         |             | 4/21/2008       | DIESEL FUEL      | 200 L                               |
|         |                                     |                                                                                                  | <b>Incident Summary:</b> Orillia: Diesel spill to ground<br><b>Incident Cause:</b> Other Discharges<br><b>Incident Reason:</b> Unknown - Reason not determined<br><b>Nature of Impact:</b> Other Kill; Soil Contamination; Surface Water Pollution<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Possible |             |                 |                  |                                     |
| n/a     | Mid Ontario<br>Disposal<UNOFFICIAL> | 514 Line 11 South<UNOFFICIAL>; 12<br>Cedarbrook Crescent<UNOFFICIAL><br>Oro-Medonte; Oro-Medonte | 7823-<br>893QDM                                                                                                                                                                                                                                                                                                         |             | 9/7/2010        | ORGANIC MATERIAL | other - see incident<br>description |
|         |                                     |                                                                                                  | <b>Incident Summary:</b> Mid Ontario Disposal Organics spill onto road - 3L total<br><b>Incident Cause:</b> Unknown<br><b>Incident Reason:</b> Spill<br><b>Nature of Impact:</b> Other Impact(s); Soil Contamination<br><b>Receiving Medium:</b><br><b>Environmental Impact:</b> Not Anticipated                        |             |                 |                  |                                     |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                           | Site Address                             |
|---------|-----------------|----------------------------------------------------------|------------------------------------------|
| WDS-1   |                 | MID ONTARIO DISPOSAL                                     | , , ORILLIA                              |
|         |                 | <b>Certificate No.:</b> A252604                          | <b>Mobile Units:</b>                     |
|         |                 | <b>Issue Date:</b> 07/05/1999                            | <b>Mobile Description:</b>               |
|         |                 | <b>Status:</b> Approved                                  | <b>Mobile Capacity:</b> 0                |
|         |                 | <b>Application Status:</b>                               | <b>Mobile Unit Cert. No.:</b>            |
|         |                 | <b>Concession:</b> 4                                     | <b>Waste Type:</b>                       |
|         |                 | <b>Lot:</b> 12, Pt. of E. Half 24 Kitchener St., Orillia | <b>Waste Type Other:</b> No              |
|         |                 |                                                          | <b>Waste Class:</b>                      |
|         |                 | <b>Region/County:</b> SIMCOE                             | <b>Other Approvals/Permits:</b>          |
|         |                 | <b>Proponent:</b> DOUG ROE ENTERPRISES LTD.              |                                          |
|         |                 | <b>Address:</b> 377 Brewery Lane                         | <b>Project Description:</b>              |
|         |                 | <b>City:</b> Orillia, Ontario                            |                                          |
|         |                 | <b>Facility Type:</b> Transfer Station, Processing       |                                          |
|         |                 | <b>District Office:</b> Barrie                           |                                          |
|         |                 | <b>Municipalities Served:</b>                            | <b>Approval Description:</b>             |
|         |                 | <b>Total Area (ha):</b> 0                                |                                          |
|         |                 | <b>Landfill Capacity (m³):</b> 0                         | <b>Waste Description:</b>                |
|         |                 | <b>Landfill Monitoring:</b>                              |                                          |
|         |                 | <b>Landfill Control Type:</b>                            |                                          |
|         |                 | <b>Est. Closure Date:</b>                                |                                          |
|         |                 | <b>Transfer Area (ha)</b> 0                              | <b>Site Closing Description:</b> A252604 |
|         |                 | <b>Transfer Capacity (m³):</b> 0                         |                                          |
|         |                 | <b>Transfer Sites Cert. No.:</b>                         |                                          |
|         |                 | <b>Incinerator Area (ha):</b> 0                          |                                          |
|         |                 | <b>Incinerator Capacity (t):</b> 0                       |                                          |
|         |                 | <b>Processing Area (m³):</b> 0                           |                                          |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                     |                                          |
|         |                 | <b>Processing Volume (m³):</b> 0                         |                                          |
|         |                 | <b>Processing Feed (m³):</b> 0                           |                                          |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                     | Site Address                             |
|---------|-----------------|------------------------------------|------------------------------------------|
| WDS-2   |                 | Doug Roe Enterprises Limited       | 24 Kitchener St, , Orillia               |
|         |                 | <b>Certificate No.:</b> A252604    | <b>Mobile Units:</b>                     |
|         |                 | <b>Issue Date:</b> 12/13/2011      | <b>Mobile Description:</b>               |
|         |                 | <b>Status:</b> Approved            | <b>Mobile Capacity:</b>                  |
|         |                 | <b>Application Status:</b>         | <b>Mobile Unit Cert. No.:</b>            |
|         |                 | <b>Concession:</b>                 | <b>Waste Type:</b>                       |
|         |                 | <b>Lot:</b>                        | <b>Waste Type Other:</b>                 |
|         |                 |                                    | <b>Waste Class:</b>                      |
|         |                 |                                    | <b>Other Approvals/Permits:</b>          |
|         |                 | <b>Region/County:</b>              |                                          |
|         |                 | <b>Proponent:</b>                  |                                          |
|         |                 |                                    | <b>Project Description:</b>              |
|         |                 | <b>Address:</b>                    |                                          |
|         |                 | <b>City:</b>                       |                                          |
|         |                 | <b>Facility Type:</b>              |                                          |
|         |                 | <b>District Office:</b>            |                                          |
|         |                 | <b>Municipalities Served:</b>      | <b>Approval Description:</b>             |
|         |                 |                                    |                                          |
|         |                 | <b>Total Area (ha):</b>            |                                          |
|         |                 | <b>Landfill Capacity (m³):</b>     | <b>Waste Description:</b>                |
|         |                 | <b>Landfill Monitoring:</b>        |                                          |
|         |                 | <b>Landfill Control Type:</b>      |                                          |
|         |                 | <b>Est. Closure Date:</b>          |                                          |
|         |                 | <b>Transfer Area (ha)</b>          | <b>Site Closing Description:</b> A252604 |
|         |                 | <b>Transfer Capacity (m³):</b>     |                                          |
|         |                 | <b>Transfer Sites Cert. No.:</b>   |                                          |
|         |                 | <b>Incinerator Area (ha):</b>      |                                          |
|         |                 | <b>Incinerator Capacity (t):</b>   |                                          |
|         |                 | <b>Processing Area (m³):</b>       |                                          |
|         |                 | <b>Processing Capacity (m³/d):</b> |                                          |
|         |                 | <b>Processing Volume (m³):</b>     |                                          |
|         |                 | <b>Processing Feed (m³):</b>       |                                          |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                     | Site Address                             |
|---------|-----------------|------------------------------------|------------------------------------------|
| WDS-3   |                 | Doug Roe Enterprises Limited       | 24 Kitchener St, , Orillia               |
|         |                 | <b>Certificate No.:</b> A252604    | <b>Mobile Units:</b>                     |
|         |                 | <b>Issue Date:</b> 12/13/2011      | <b>Mobile Description:</b>               |
|         |                 | <b>Status:</b> Approved            | <b>Mobile Capacity:</b>                  |
|         |                 | <b>Application Status:</b>         | <b>Mobile Unit Cert. No.:</b>            |
|         |                 | <b>Concession:</b>                 | <b>Waste Type:</b>                       |
|         |                 | <b>Lot:</b>                        | <b>Waste Type Other:</b>                 |
|         |                 |                                    | <b>Waste Class:</b>                      |
|         |                 | <b>Region/County:</b> Orillia      | <b>Other Approvals/Permits:</b>          |
|         |                 | <b>Proponent:</b>                  |                                          |
|         |                 | <b>Address:</b>                    | <b>Project Description:</b>              |
|         |                 | <b>City:</b>                       |                                          |
|         |                 | <b>Facility Type:</b>              |                                          |
|         |                 | <b>District Office:</b>            |                                          |
|         |                 | <b>Municipalities Served:</b>      | <b>Approval Description:</b>             |
|         |                 | <b>Total Area (ha):</b>            |                                          |
|         |                 | <b>Landfill Capacity (m³):</b>     | <b>Waste Description:</b>                |
|         |                 | <b>Landfill Monitoring:</b>        |                                          |
|         |                 | <b>Landfill Control Type:</b>      |                                          |
|         |                 | <b>Est. Closure Date:</b>          |                                          |
|         |                 | <b>Transfer Area (ha)</b>          | <b>Site Closing Description:</b> A252604 |
|         |                 | <b>Transfer Capacity (m³):</b>     |                                          |
|         |                 | <b>Transfer Sites Cert. No.:</b>   |                                          |
|         |                 | <b>Incinerator Area (ha):</b>      |                                          |
|         |                 | <b>Incinerator Capacity (t):</b>   |                                          |
|         |                 | <b>Processing Area (m³):</b>       |                                          |
|         |                 | <b>Processing Capacity (m³/d):</b> |                                          |
|         |                 | <b>Processing Volume (m³):</b>     |                                          |
|         |                 | <b>Processing Feed (m³):</b>       |                                          |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                     | Site Address                             |
|---------|-----------------|------------------------------------|------------------------------------------|
| WDS-4   |                 | Doug Roe Enterprises Limited       | 24 Kitchener Street , , Orillia          |
|         |                 | <b>Certificate No.:</b> A252604    | <b>Mobile Units:</b>                     |
|         |                 | <b>Issue Date:</b> 3/21/2006       | <b>Mobile Description:</b>               |
|         |                 | <b>Status:</b> Approved            | <b>Mobile Capacity:</b>                  |
|         |                 | <b>Application Status:</b>         | <b>Mobile Unit Cert. No.:</b>            |
|         |                 | <b>Concession:</b>                 | <b>Waste Type:</b>                       |
|         |                 | <b>Lot:</b>                        | <b>Waste Type Other:</b>                 |
|         |                 |                                    | <b>Waste Class:</b>                      |
|         |                 |                                    | <b>Other Approvals/Permits:</b>          |
|         |                 | <b>Region/County:</b>              |                                          |
|         |                 | <b>Proponent:</b>                  |                                          |
|         |                 |                                    | <b>Project Description:</b>              |
|         |                 | <b>Address:</b>                    |                                          |
|         |                 | <b>City:</b>                       |                                          |
|         |                 | <b>Facility Type:</b>              |                                          |
|         |                 | <b>District Office:</b>            |                                          |
|         |                 | <b>Municipalities Served:</b>      | <b>Approval Description:</b>             |
|         |                 |                                    |                                          |
|         |                 | <b>Total Area (ha):</b>            |                                          |
|         |                 | <b>Landfill Capacity (m³):</b>     | <b>Waste Description:</b>                |
|         |                 | <b>Landfill Monitoring:</b>        |                                          |
|         |                 | <b>Landfill Control Type:</b>      |                                          |
|         |                 | <b>Est. Closure Date:</b>          |                                          |
|         |                 | <b>Transfer Area (ha)</b>          | <b>Site Closing Description:</b> A252604 |
|         |                 | <b>Transfer Capacity (m³):</b>     |                                          |
|         |                 | <b>Transfer Sites Cert. No.:</b>   |                                          |
|         |                 | <b>Incinerator Area (ha):</b>      |                                          |
|         |                 | <b>Incinerator Capacity (t):</b>   |                                          |
|         |                 | <b>Processing Area (m³):</b>       |                                          |
|         |                 | <b>Processing Capacity (m³/d):</b> |                                          |
|         |                 | <b>Processing Volume (m³):</b>     |                                          |
|         |                 | <b>Processing Feed (m³):</b>       |                                          |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                        | Site Address                                                                                                                  |
|---------|-----------------|---------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| WDS-5   |                 |                                                                                       | 30 Kitchener, , Orillia                                                                                                       |
|         |                 | <b>Certificate No.:</b> A740139                                                       | <b>Mobile Units:</b>                                                                                                          |
|         |                 | <b>Issue Date:</b> 1/30/2001                                                          | <b>Mobile Description:</b>                                                                                                    |
|         |                 | <b>Status:</b> Approved                                                               | <b>Mobile Capacity:</b>                                                                                                       |
|         |                 | <b>Application Status:</b> Revocation                                                 | <b>Mobile Unit Cert. No.:</b>                                                                                                 |
|         |                 | <b>Concession:</b>                                                                    | <b>Waste Type:</b>                                                                                                            |
|         |                 | <b>Lot:</b>                                                                           | <b>Waste Type Other:</b>                                                                                                      |
|         |                 |                                                                                       | <b>Waste Class:</b>                                                                                                           |
|         |                 |                                                                                       | <b>Other Approvals/Permits:</b>                                                                                               |
|         |                 | <b>Region/County:</b> County Of Simcoe                                                |                                                                                                                               |
|         |                 | <b>Proponent:</b> Capital Environmental Resource Inc.                                 |                                                                                                                               |
|         |                 |                                                                                       | <b>Project Description:</b> Application to revoke Certificate of Approval A74039 to allow new tenants to access the property. |
|         |                 | <b>Address:</b> 1005 Skyview Drive                                                    |                                                                                                                               |
|         |                 | <b>City:</b> Burlington                                                               |                                                                                                                               |
|         |                 | <b>Facility Type:</b> Processing                                                      |                                                                                                                               |
|         |                 | <b>District Office:</b> Barrie                                                        |                                                                                                                               |
|         |                 | <b>Municipalities Served:</b> Province of Ontario                                     | <b>Approval Description:</b>                                                                                                  |
|         |                 |                                                                                       |                                                                                                                               |
|         |                 | <b>Total Area (ha):</b> 0.5                                                           |                                                                                                                               |
|         |                 | <b>Landfill Capacity (m³):</b>                                                        | <b>Waste Description:</b>                                                                                                     |
|         |                 | <b>Landfill Monitoring:</b>                                                           |                                                                                                                               |
|         |                 | <b>Landfill Control Type:</b>                                                         |                                                                                                                               |
|         |                 | <b>Est. Closure Date:</b>                                                             |                                                                                                                               |
|         |                 | <b>Transfer Area (ha)</b>                                                             | <b>Site Closing Description:</b> A740139                                                                                      |
|         |                 | <b>Transfer Capacity (m³):</b> 400                                                    |                                                                                                                               |
|         |                 | <b>Transfer Sites Cert. No.:</b> any MOE approved site and any site approved by its j |                                                                                                                               |
|         |                 | <b>Incinerator Area (ha):</b>                                                         |                                                                                                                               |
|         |                 | <b>Incinerator Capacity (t):</b>                                                      |                                                                                                                               |
|         |                 | <b>Processing Area (m³):</b>                                                          |                                                                                                                               |
|         |                 | <b>Processing Capacity (m³/d):</b>                                                    |                                                                                                                               |
|         |                 | <b>Processing Volume (m³):</b>                                                        |                                                                                                                               |
|         |                 | <b>Processing Feed (m³):</b>                                                          |                                                                                                                               |



## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                     | Site Address                             |
|---------|-----------------|----------------------------------------------------|------------------------------------------|
| WDS-6   |                 | CAPITAL ENVIRONMENTAL RESOURCE                     | 30 KITCHENER STREET, , ORILLIA           |
|         |                 | <b>Certificate No.:</b> A740139                    | <b>Mobile Units:</b>                     |
|         |                 | <b>Issue Date:</b> 06/03/1999                      | <b>Mobile Description:</b>               |
|         |                 | <b>Status:</b> Approved                            | <b>Mobile Capacity:</b> 0                |
|         |                 | <b>Application Status:</b>                         | <b>Mobile Unit Cert. No.:</b>            |
|         |                 | <b>Concession:</b> 4                               | <b>Waste Type:</b>                       |
|         |                 | <b>Lot:</b>                                        | <b>Waste Type Other:</b> No              |
|         |                 |                                                    | <b>Waste Class:</b>                      |
|         |                 |                                                    | <b>Other Approvals/Permits:</b>          |
|         |                 | <b>Region/County:</b> SIMCOE                       |                                          |
|         |                 | <b>Proponent:</b> CAPITAL ENVIRONMENTAL RESOURCE   |                                          |
|         |                 |                                                    | <b>Project Description:</b>              |
|         |                 | <b>Address:</b> 1005 SKYVIEW DRIVE                 |                                          |
|         |                 | <b>City:</b> BURLINGTON, ONTARIO                   |                                          |
|         |                 | <b>Facility Type:</b> Transfer Station, Processing |                                          |
|         |                 | <b>District Office:</b> Barrie                     |                                          |
|         |                 | <b>Municipalities Served:</b>                      | <b>Approval Description:</b>             |
|         |                 |                                                    |                                          |
|         |                 | <b>Total Area (ha):</b> 0                          |                                          |
|         |                 | <b>Landfill Capacity (m³):</b> 0                   | <b>Waste Description:</b>                |
|         |                 | <b>Landfill Monitoring:</b>                        |                                          |
|         |                 | <b>Landfill Control Type:</b>                      |                                          |
|         |                 | <b>Est. Closure Date:</b>                          |                                          |
|         |                 | <b>Transfer Area (ha)</b> 0                        | <b>Site Closing Description:</b> A740139 |
|         |                 | <b>Transfer Capacity (m³):</b> 0                   |                                          |
|         |                 | <b>Transfer Sites Cert. No.:</b>                   |                                          |
|         |                 | <b>Incinerator Area (ha):</b> 0                    |                                          |
|         |                 | <b>Incinerator Capacity (t):</b> 0                 |                                          |
|         |                 | <b>Processing Area (m³):</b> 0                     |                                          |
|         |                 | <b>Processing Capacity (m³/d):</b> 0               |                                          |
|         |                 | <b>Processing Volume (m³):</b> 0                   |                                          |
|         |                 | <b>Processing Feed (m³):</b> 0                     |                                          |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Site Address                                                                                                                                                                                                                                                                                   |
|---------|-----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| WDS-7   |                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 100 Kitchener Street, Lots 11 & 12, Conc. 4, Orillia                                                                                                                                                                                                                                           |
|         |                 | <b>Certificate No.:</b> A252606<br><b>Issue Date:</b> 7/25/2001<br><b>Status:</b> Approved<br><b>Application Status:</b> Notice<br><b>Concession:</b> 4<br><b>Lot:</b> 11-12                                                                                                                                                                                                                                                                                                                 | <b>Mobile Units:</b><br><b>Mobile Description:</b><br><b>Mobile Capacity:</b><br><b>Mobile Unit Cert. No.:</b><br><b>Waste Type:</b><br><b>Waste Type Other:</b><br><b>Waste Class:</b><br><b>Other Approvals/Permits:</b>                                                                     |
|         |                 | <b>Region/County:</b> County Of Simcoe<br><b>Proponent:</b> Corporation of the City of Orillia                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |
|         |                 | <b>Address:</b> 50 Andrew Street South, 3rd Floor<br><b>City:</b> Orillia<br><b>Facility Type:</b> Processing<br><b>District Office:</b> Barrie<br><b>Municipalities Served:</b> City of Orillia                                                                                                                                                                                                                                                                                             | <b>Project Description:</b> This application is for replacing the words "fruit and vegetable wastes" with the words "organic food wastes" in the existing certificate of approval for a windrow composting facility at the Kitchener Street Landfill Site.<br><br><b>Approval Description:</b> |
|         |                 | <b>Total Area (ha):</b> 40<br><b>Landfill Capacity (m³):</b><br><b>Landfill Monitoring:</b><br><b>Landfill Control Type:</b><br><b>Est. Closure Date:</b><br><b>Transfer Area (ha)</b><br><b>Transfer Capacity (m³):</b> 200<br><b>Transfer Sites Cert. No.:</b> N/A<br><b>Incinerator Area (ha):</b><br><b>Incinerator Capacity (t):</b> 200 tonnes<br><b>Processing Area (m³):</b><br><b>Processing Capacity (m³/d):</b><br><b>Processing Volume (m³):</b><br><b>Processing Feed (m³):</b> | <b>Waste Description:</b><br><br><br><br><br><br><br><br><br><br><b>Site Closing Description:</b> A252606                                                                                                                                                                                      |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                         | Site Address                             |
|---------|-----------------|----------------------------------------|------------------------------------------|
| WDS-8   |                 | The Corporation of the City of Orillia | 100 Kitchener Street, , Orillia          |
|         |                 | <b>Certificate No.:</b> A250601        | <b>Mobile Units:</b>                     |
|         |                 | <b>Issue Date:</b> 10/14/2011          | <b>Mobile Description:</b>               |
|         |                 | <b>Status:</b> Approved                | <b>Mobile Capacity:</b>                  |
|         |                 | <b>Application Status:</b>             | <b>Mobile Unit Cert. No.:</b>            |
|         |                 | <b>Concession:</b>                     | <b>Waste Type:</b>                       |
|         |                 | <b>Lot:</b>                            | <b>Waste Type Other:</b>                 |
|         |                 |                                        | <b>Waste Class:</b>                      |
|         |                 |                                        | <b>Other Approvals/Permits:</b>          |
|         |                 | <b>Region/County:</b>                  |                                          |
|         |                 | <b>Proponent:</b>                      |                                          |
|         |                 |                                        |                                          |
|         |                 | <b>Address:</b>                        | <b>Project Description:</b>              |
|         |                 | <b>City:</b>                           |                                          |
|         |                 | <b>Facility Type:</b>                  |                                          |
|         |                 | <b>District Office:</b>                |                                          |
|         |                 | <b>Municipalities Served:</b>          | <b>Approval Description:</b>             |
|         |                 |                                        |                                          |
|         |                 | <b>Total Area (ha):</b>                |                                          |
|         |                 | <b>Landfill Capacity (m³):</b>         | <b>Waste Description:</b>                |
|         |                 | <b>Landfill Monitoring:</b>            |                                          |
|         |                 | <b>Landfill Control Type:</b>          |                                          |
|         |                 | <b>Est. Closure Date:</b>              |                                          |
|         |                 | <b>Transfer Area (ha)</b>              | <b>Site Closing Description:</b> A250601 |
|         |                 | <b>Transfer Capacity (m³):</b>         |                                          |
|         |                 | <b>Transfer Sites Cert. No.:</b>       |                                          |
|         |                 | <b>Incinerator Area (ha):</b>          |                                          |
|         |                 | <b>Incinerator Capacity (t):</b>       |                                          |
|         |                 | <b>Processing Area (m³):</b>           |                                          |
|         |                 | <b>Processing Capacity (m³/d):</b>     |                                          |
|         |                 | <b>Processing Volume (m³):</b>         |                                          |
|         |                 | <b>Processing Feed (m³):</b>           |                                          |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                         | Site Address                             |
|---------|-----------------|----------------------------------------|------------------------------------------|
| WDS-9   |                 | The Corporation of the City of Orillia | 100 Kitchener Street, , Orillia          |
|         |                 | <b>Certificate No.:</b> A250601        | <b>Mobile Units:</b>                     |
|         |                 | <b>Issue Date:</b> 10/14/2011          | <b>Mobile Description:</b>               |
|         |                 | <b>Status:</b> Approved                | <b>Mobile Capacity:</b>                  |
|         |                 | <b>Application Status:</b>             | <b>Mobile Unit Cert. No.:</b>            |
|         |                 | <b>Concession:</b>                     | <b>Waste Type:</b>                       |
|         |                 | <b>Lot:</b>                            | <b>Waste Type Other:</b>                 |
|         |                 |                                        | <b>Waste Class:</b>                      |
|         |                 |                                        | <b>Other Approvals/Permits:</b>          |
|         |                 | <b>Region/County:</b>                  |                                          |
|         |                 | <b>Proponent:</b>                      |                                          |
|         |                 |                                        |                                          |
|         |                 | <b>Address:</b>                        | <b>Project Description:</b>              |
|         |                 | <b>City:</b>                           |                                          |
|         |                 | <b>Facility Type:</b>                  |                                          |
|         |                 | <b>District Office:</b>                |                                          |
|         |                 | <b>Municipalities Served:</b>          | <b>Approval Description:</b>             |
|         |                 |                                        |                                          |
|         |                 | <b>Total Area (ha):</b>                |                                          |
|         |                 | <b>Landfill Capacity (m³):</b>         | <b>Waste Description:</b>                |
|         |                 | <b>Landfill Monitoring:</b>            |                                          |
|         |                 | <b>Landfill Control Type:</b>          |                                          |
|         |                 | <b>Est. Closure Date:</b>              |                                          |
|         |                 | <b>Transfer Area (ha)</b>              | <b>Site Closing Description:</b> A250601 |
|         |                 | <b>Transfer Capacity (m³):</b>         |                                          |
|         |                 | <b>Transfer Sites Cert. No.:</b>       |                                          |
|         |                 | <b>Incinerator Area (ha):</b>          |                                          |
|         |                 | <b>Incinerator Capacity (t):</b>       |                                          |
|         |                 | <b>Processing Area (m³):</b>           |                                          |
|         |                 | <b>Processing Capacity (m³/d):</b>     |                                          |
|         |                 | <b>Processing Volume (m³):</b>         |                                          |
|         |                 | <b>Processing Feed (m³):</b>           |                                          |

## Waste Disposal Sites - MOE CA Inventory

| Map Key       | Related Site(s) | Operation Name                         | Site Address                                           |
|---------------|-----------------|----------------------------------------|--------------------------------------------------------|
| <b>WDS-10</b> |                 | The Corporation of the City of Orillia | 100 Kitchener St Lot 11 & 12, Concession 4 , , Orillia |
|               |                 | <b>Certificate No.:</b> A252603        | <b>Mobile Units:</b>                                   |
|               |                 | <b>Issue Date:</b> 1/6/2009            | <b>Mobile Description:</b>                             |
|               |                 | <b>Status:</b> Approved                | <b>Mobile Capacity:</b>                                |
|               |                 | <b>Application Status:</b>             | <b>Mobile Unit Cert. No.:</b>                          |
|               |                 | <b>Concession:</b>                     | <b>Waste Type:</b>                                     |
|               |                 | <b>Lot:</b>                            | <b>Waste Type Other:</b>                               |
|               |                 |                                        | <b>Waste Class:</b>                                    |
|               |                 |                                        | <b>Other Approvals/Permits:</b>                        |
|               |                 | <b>Region/County:</b>                  |                                                        |
|               |                 | <b>Proponent:</b>                      |                                                        |
|               |                 |                                        |                                                        |
|               |                 | <b>Address:</b>                        | <b>Project Description:</b>                            |
|               |                 | <b>City:</b>                           |                                                        |
|               |                 | <b>Facility Type:</b>                  |                                                        |
|               |                 | <b>District Office:</b>                |                                                        |
|               |                 | <b>Municipalities Served:</b>          | <b>Approval Description:</b>                           |
|               |                 |                                        |                                                        |
|               |                 | <b>Total Area (ha):</b>                |                                                        |
|               |                 | <b>Landfill Capacity (m³):</b>         | <b>Waste Description:</b>                              |
|               |                 | <b>Landfill Monitoring:</b>            |                                                        |
|               |                 | <b>Landfill Control Type:</b>          |                                                        |
|               |                 | <b>Est. Closure Date:</b>              |                                                        |
|               |                 | <b>Transfer Area (ha)</b>              | <b>Site Closing Description:</b> A252603               |
|               |                 | <b>Transfer Capacity (m³):</b>         |                                                        |
|               |                 | <b>Transfer Sites Cert. No.:</b>       |                                                        |
|               |                 | <b>Incinerator Area (ha):</b>          |                                                        |
|               |                 | <b>Incinerator Capacity (t):</b>       |                                                        |
|               |                 | <b>Processing Area (m³):</b>           |                                                        |
|               |                 | <b>Processing Capacity (m³/d):</b>     |                                                        |
|               |                 | <b>Processing Volume (m³):</b>         |                                                        |
|               |                 | <b>Processing Feed (m³):</b>           |                                                        |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                       | Site Address                                                                                                                                                                                                                                                                                           |
|---------|-----------------|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          |                                                      | , Lot 11 and 12 , Concession 4, Orillia                                                                                                                                                                                                                                                                |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                      | <b>Mobile Units:</b>                                                                                                                                                                                                                                                                                   |
|         | ANDR-4          | <b>Issue Date:</b> 6/16/2000                         | <b>Mobile Description:</b>                                                                                                                                                                                                                                                                             |
|         |                 | <b>Status:</b> Approved                              | <b>Mobile Capacity:</b>                                                                                                                                                                                                                                                                                |
|         |                 | <b>Application Status:</b> Notice                    | <b>Mobile Unit Cert. No.:</b>                                                                                                                                                                                                                                                                          |
|         |                 | <b>Concession:</b> 4                                 | <b>Waste Type:</b>                                                                                                                                                                                                                                                                                     |
|         |                 | <b>Lot:</b> 11-12                                    | <b>Waste Type Other:</b>                                                                                                                                                                                                                                                                               |
|         |                 |                                                      | <b>Waste Class:</b>                                                                                                                                                                                                                                                                                    |
|         |                 |                                                      | <b>Other Approvals/Permits:</b>                                                                                                                                                                                                                                                                        |
|         |                 | <b>Region/County:</b> County Of Simcoe               |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Proponent:</b> Corporation of the City of Orillia |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Address:</b> 50 Andrew Street South, 3rd Floor    | <b>Project Description:</b> In September 10, 1998, the City of Orillia requested an amendment for use of alternative daily cover. This amendment was granted as a one-year trial. A report was provided March 8, 2000. This application is to request this amendment be approved on an on-going basis. |
|         |                 | <b>City:</b> Orillia                                 |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Facility Type:</b> Landfill                       |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>District Office:</b> Barrie                       |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Municipalities Served:</b>                        | <b>Approval Description:</b>                                                                                                                                                                                                                                                                           |
|         |                 | <b>Total Area (ha):</b> 40.5                         |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Landfill Capacity (m³):</b>                       | <b>Waste Description:</b>                                                                                                                                                                                                                                                                              |
|         |                 | <b>Landfill Monitoring:</b> none                     |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Landfill Control Type:</b> none                   |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Est. Closure Date:</b>                            |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Transfer Area (ha)</b>                            | <b>Site Closing Description:</b> A250601                                                                                                                                                                                                                                                               |
|         |                 | <b>Transfer Capacity (m³):</b>                       |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Transfer Sites Cert. No.:</b>                     |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Incinerator Area (ha):</b>                        |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Incinerator Capacity (t):</b>                     |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Processing Area (m³):</b>                         |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Processing Capacity (m³/d):</b>                   |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Processing Volume (m³):</b>                       |                                                                                                                                                                                                                                                                                                        |
|         |                 | <b>Processing Feed (m³):</b>                         |                                                                                                                                                                                                                                                                                                        |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                          | Site Address                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                 | KITCHENER ST., , CITY OF ORILLIA                                                                   |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                         | <b>Mobile Units:</b>                                                                               |
|         | ANDR-4          | <b>Issue Date:</b> 02/23/1971                                           | <b>Mobile Description:</b>                                                                         |
|         |                 | <b>Status:</b>                                                          | <b>Mobile Capacity:</b> 0                                                                          |
|         |                 | <b>Application Status:</b>                                              | <b>Mobile Unit Cert. No.:</b>                                                                      |
|         |                 | <b>Concession:</b> 4                                                    | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                            |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST             | <b>Waste Type Other:</b> Yes                                                                       |
|         |                 |                                                                         | <b>Waste Class:</b>                                                                                |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                    | <b>Other Approvals/Permits:</b>                                                                    |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                       |                                                                                                    |
|         |                 | <b>Address:</b> PO BOX 7                                                | <b>Project Description:</b>                                                                        |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                            |                                                                                                    |
|         |                 | <b>Facility Type:</b> Landfill                                          |                                                                                                    |
|         |                 | <b>District Office:</b> Barrie                                          |                                                                                                    |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED: 21,500 | <b>Approval Description:</b>                                                                       |
|         |                 | <b>Total Area (ha):</b> 28.3                                            |                                                                                                    |
|         |                 | <b>Landfill Capacity (m³):</b> 163000                                   | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS] |
|         |                 | <b>Landfill Monitoring:</b>                                             |                                                                                                    |
|         |                 | <b>Landfill Control Type:</b>                                           |                                                                                                    |
|         |                 | <b>Est. Closure Date:</b>                                               |                                                                                                    |
|         |                 | <b>Transfer Area (ha)</b> 0                                             | <b>Site Closing Description:</b> A250601                                                           |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                        |                                                                                                    |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                        |                                                                                                    |
|         |                 | <b>Incinerator Area (ha):</b> 0                                         |                                                                                                    |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                      |                                                                                                    |
|         |                 | <b>Processing Area (m³):</b> 0                                          |                                                                                                    |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                    |                                                                                                    |
|         |                 | <b>Processing Volume (m³):</b> 0                                        |                                                                                                    |
|         |                 | <b>Processing Feed (m³):</b> 0                                          |                                                                                                    |



## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                          | Site Address                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                 | KITCHENER ST., , CITY OF ORILLIA                                                                   |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                         | <b>Mobile Units:</b>                                                                               |
|         | ANDR-4          | <b>Issue Date:</b> 01/19/1972                                           | <b>Mobile Description:</b>                                                                         |
|         |                 | <b>Status:</b>                                                          | <b>Mobile Capacity:</b> 0                                                                          |
|         |                 | <b>Application Status:</b>                                              | <b>Mobile Unit Cert. No.:</b>                                                                      |
|         |                 | <b>Concession:</b> 4                                                    | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                            |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST             | <b>Waste Type Other:</b> Yes                                                                       |
|         |                 |                                                                         | <b>Waste Class:</b>                                                                                |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                    | <b>Other Approvals/Permits:</b>                                                                    |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                       |                                                                                                    |
|         |                 | <b>Address:</b> PO BOX 7                                                | <b>Project Description:</b>                                                                        |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                            |                                                                                                    |
|         |                 | <b>Facility Type:</b> Landfill                                          |                                                                                                    |
|         |                 | <b>District Office:</b> Barrie                                          |                                                                                                    |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED: 21,500 | <b>Approval Description:</b>                                                                       |
|         |                 | <b>Total Area (ha):</b> 28.3                                            |                                                                                                    |
|         |                 | <b>Landfill Capacity (m³):</b> 163000                                   | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS] |
|         |                 | <b>Landfill Monitoring:</b>                                             |                                                                                                    |
|         |                 | <b>Landfill Control Type:</b>                                           |                                                                                                    |
|         |                 | <b>Est. Closure Date:</b>                                               |                                                                                                    |
|         |                 | <b>Transfer Area (ha)</b> 0                                             | <b>Site Closing Description:</b> A250601                                                           |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                        |                                                                                                    |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                        |                                                                                                    |
|         |                 | <b>Incinerator Area (ha):</b> 0                                         |                                                                                                    |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                      |                                                                                                    |
|         |                 | <b>Processing Area (m³):</b> 0                                          |                                                                                                    |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                    |                                                                                                    |
|         |                 | <b>Processing Volume (m³):</b> 0                                        |                                                                                                    |
|         |                 | <b>Processing Feed (m³):</b> 0                                          |                                                                                                    |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                          | Site Address                                                                                                                          |
|---------|-----------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                 | KITCHENER ST., , CITY OF ORILLIA                                                                                                      |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                         | <b>Mobile Units:</b>                                                                                                                  |
|         | ANDR-4          | <b>Issue Date:</b> 11/08/1972                                           | <b>Mobile Description:</b>                                                                                                            |
|         |                 | <b>Status:</b>                                                          | <b>Mobile Capacity:</b> 0                                                                                                             |
|         |                 | <b>Application Status:</b>                                              | <b>Mobile Unit Cert. No.:</b>                                                                                                         |
|         |                 | <b>Concession:</b> 4                                                    | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                               |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST             | <b>Waste Type Other:</b> Yes                                                                                                          |
|         |                 |                                                                         | <b>Waste Class:</b>                                                                                                                   |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                    | <b>Other Approvals/Permits:</b>                                                                                                       |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                       |                                                                                                                                       |
|         |                 | <b>Address:</b> PO BOX 7                                                | <b>Project Description:</b>                                                                                                           |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                            |                                                                                                                                       |
|         |                 | <b>Facility Type:</b> Landfill                                          |                                                                                                                                       |
|         |                 | <b>District Office:</b> Barrie                                          |                                                                                                                                       |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED: 21,500 | <b>Approval Description:</b> CONDITION ADDED - TO CREATE A BUFFER ZONE BETWEEN THE DISPOSAL AREA AND THE SURROUNDING BRUSH AND TREES. |
|         |                 | <b>Total Area (ha):</b> 28.3                                            |                                                                                                                                       |
|         |                 | <b>Landfill Capacity (m³):</b> 163000                                   | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                    |
|         |                 | <b>Landfill Monitoring:</b>                                             |                                                                                                                                       |
|         |                 | <b>Landfill Control Type:</b>                                           |                                                                                                                                       |
|         |                 | <b>Est. Closure Date:</b>                                               |                                                                                                                                       |
|         |                 | <b>Transfer Area (ha)</b> 0                                             | <b>Site Closing Description:</b> A250601                                                                                              |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                        |                                                                                                                                       |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                        |                                                                                                                                       |
|         |                 | <b>Incinerator Area (ha):</b> 0                                         |                                                                                                                                       |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                      |                                                                                                                                       |
|         |                 | <b>Processing Area (m³):</b> 0                                          |                                                                                                                                       |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                    |                                                                                                                                       |
|         |                 | <b>Processing Volume (m³):</b> 0                                        |                                                                                                                                       |
|         |                 | <b>Processing Feed (m³):</b> 0                                          |                                                                                                                                       |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                          | Site Address                                                                                                                          |
|---------|-----------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                 | KITCHENER ST., , CITY OF ORILLIA                                                                                                      |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                         | <b>Mobile Units:</b>                                                                                                                  |
|         | ANDR-4          | <b>Issue Date:</b> 11/16/1973                                           | <b>Mobile Description:</b>                                                                                                            |
|         |                 | <b>Status:</b>                                                          | <b>Mobile Capacity:</b> 0                                                                                                             |
|         |                 | <b>Application Status:</b>                                              | <b>Mobile Unit Cert. No.:</b>                                                                                                         |
|         |                 | <b>Concession:</b> 4                                                    | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                               |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST             | <b>Waste Type Other:</b> Yes                                                                                                          |
|         |                 |                                                                         | <b>Waste Class:</b>                                                                                                                   |
|         |                 |                                                                         | <b>Other Approvals/Permits:</b>                                                                                                       |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                    |                                                                                                                                       |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                       |                                                                                                                                       |
|         |                 |                                                                         | <b>Project Description:</b>                                                                                                           |
|         |                 | <b>Address:</b> PO BOX 7                                                |                                                                                                                                       |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                            |                                                                                                                                       |
|         |                 | <b>Facility Type:</b> Landfill                                          |                                                                                                                                       |
|         |                 | <b>District Office:</b> Barrie                                          |                                                                                                                                       |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED: 21,500 | <b>Approval Description:</b> CONDITION ADDED - TO CREATE A BUFFER ZONE BETWEEN THE DISPOSAL AREA AND THE SURROUNDING BRUSH AND TREES. |
|         |                 | <b>Total Area (ha):</b> 28.3                                            |                                                                                                                                       |
|         |                 | <b>Landfill Capacity (m³):</b> 163000                                   | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                    |
|         |                 | <b>Landfill Monitoring:</b>                                             |                                                                                                                                       |
|         |                 | <b>Landfill Control Type:</b>                                           |                                                                                                                                       |
|         |                 | <b>Est. Closure Date:</b>                                               |                                                                                                                                       |
|         |                 | <b>Transfer Area (ha)</b> 0                                             | <b>Site Closing Description:</b> A250601                                                                                              |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                        |                                                                                                                                       |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                        |                                                                                                                                       |
|         |                 | <b>Incinerator Area (ha):</b> 0                                         |                                                                                                                                       |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                      |                                                                                                                                       |
|         |                 | <b>Processing Area (m³):</b> 0                                          |                                                                                                                                       |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                    |                                                                                                                                       |
|         |                 | <b>Processing Volume (m³):</b> 0                                        |                                                                                                                                       |
|         |                 | <b>Processing Feed (m³):</b> 0                                          |                                                                                                                                       |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                          | Site Address                                                                                                                          |
|---------|-----------------|-------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                 | KITCHENER ST., , CITY OF ORILLIA                                                                                                      |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                         | <b>Mobile Units:</b>                                                                                                                  |
|         | ANDR-4          | <b>Issue Date:</b> 10/01/1974                                           | <b>Mobile Description:</b>                                                                                                            |
|         |                 | <b>Status:</b>                                                          | <b>Mobile Capacity:</b> 0                                                                                                             |
|         |                 | <b>Application Status:</b>                                              | <b>Mobile Unit Cert. No.:</b>                                                                                                         |
|         |                 | <b>Concession:</b> 4                                                    | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                               |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST             | <b>Waste Type Other:</b> Yes                                                                                                          |
|         |                 |                                                                         | <b>Waste Class:</b>                                                                                                                   |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                    | <b>Other Approvals/Permits:</b>                                                                                                       |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                       |                                                                                                                                       |
|         |                 | <b>Address:</b> PO BOX 7                                                | <b>Project Description:</b>                                                                                                           |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                            |                                                                                                                                       |
|         |                 | <b>Facility Type:</b> Landfill                                          |                                                                                                                                       |
|         |                 | <b>District Office:</b> Barrie                                          |                                                                                                                                       |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED: 21,500 | <b>Approval Description:</b> CONDITION ADDED - TO CREATE A BUFFER ZONE BETWEEN THE DISPOSAL AREA AND THE SURROUNDING BRUSH AND TREES. |
|         |                 | <b>Total Area (ha):</b> 28.3                                            |                                                                                                                                       |
|         |                 | <b>Landfill Capacity (m³):</b> 163000                                   | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                    |
|         |                 | <b>Landfill Monitoring:</b>                                             |                                                                                                                                       |
|         |                 | <b>Landfill Control Type:</b>                                           |                                                                                                                                       |
|         |                 | <b>Est. Closure Date:</b>                                               |                                                                                                                                       |
|         |                 | <b>Transfer Area (ha)</b> 0                                             | <b>Site Closing Description:</b> A250601                                                                                              |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                        |                                                                                                                                       |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                        |                                                                                                                                       |
|         |                 | <b>Incinerator Area (ha):</b> 0                                         |                                                                                                                                       |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                      |                                                                                                                                       |
|         |                 | <b>Processing Area (m³):</b> 0                                          |                                                                                                                                       |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                    |                                                                                                                                       |
|         |                 | <b>Processing Volume (m³):</b> 0                                        |                                                                                                                                       |
|         |                 | <b>Processing Feed (m³):</b> 0                                          |                                                                                                                                       |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                | Site Address                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                       | KITCHENER ST., , CITY OF ORILLIA                                                                   |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                               | <b>Mobile Units:</b>                                                                               |
|         | ANDR-4          | <b>Issue Date:</b> 04/29/1981                                                 | <b>Mobile Description:</b>                                                                         |
|         |                 | <b>Status:</b>                                                                | <b>Mobile Capacity:</b> 0                                                                          |
|         |                 | <b>Application Status:</b>                                                    | <b>Mobile Unit Cert. No.:</b>                                                                      |
|         |                 | <b>Concession:</b> 4                                                          | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                            |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                   | <b>Waste Type Other:</b> Yes                                                                       |
|         |                 |                                                                               | <b>Waste Class:</b>                                                                                |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                          | <b>Other Approvals/Permits:</b>                                                                    |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                             |                                                                                                    |
|         |                 | <b>Address:</b> PO BOX 7                                                      | <b>Project Description:</b>                                                                        |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                                  |                                                                                                    |
|         |                 | <b>Facility Type:</b> Landfill                                                |                                                                                                    |
|         |                 | <b>District Office:</b> Barrie                                                |                                                                                                    |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED:23,768 [1980] | <b>Approval Description:</b>                                                                       |
|         |                 | <b>Total Area (ha):</b> 28.3                                                  |                                                                                                    |
|         |                 | <b>Landfill Capacity (m³):</b> 163000                                         | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS] |
|         |                 | <b>Landfill Monitoring:</b>                                                   |                                                                                                    |
|         |                 | <b>Landfill Control Type:</b>                                                 |                                                                                                    |
|         |                 | <b>Est. Closure Date:</b>                                                     |                                                                                                    |
|         |                 | <b>Transfer Area (ha)</b> 0                                                   | <b>Site Closing Description:</b> A250601                                                           |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                              |                                                                                                    |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                              |                                                                                                    |
|         |                 | <b>Incinerator Area (ha):</b> 0                                               |                                                                                                    |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                            |                                                                                                    |
|         |                 | <b>Processing Area (m³):</b> 0                                                |                                                                                                    |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                          |                                                                                                    |
|         |                 | <b>Processing Volume (m³):</b> 0                                              |                                                                                                    |
|         |                 | <b>Processing Feed (m³):</b> 0                                                |                                                                                                    |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                  | Site Address                                                                                       |
|---------|-----------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                         | KITCHENER ST., , CITY OF ORILLIA                                                                   |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                                 | <b>Mobile Units:</b>                                                                               |
|         | ANDR-4          | <b>Issue Date:</b> 12/19/1986                                                   | <b>Mobile Description:</b>                                                                         |
|         |                 | <b>Status:</b>                                                                  | <b>Mobile Capacity:</b> 0                                                                          |
|         |                 | <b>Application Status:</b>                                                      | <b>Mobile Unit Cert. No.:</b>                                                                      |
|         |                 | <b>Concession:</b> 4                                                            | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                            |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                     | <b>Waste Type Other:</b> Yes                                                                       |
|         |                 |                                                                                 | <b>Waste Class:</b>                                                                                |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                            | <b>Other Approvals/Permits:</b>                                                                    |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                               |                                                                                                    |
|         |                 | <b>Address:</b> PO BOX 7                                                        | <b>Project Description:</b>                                                                        |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                                    |                                                                                                    |
|         |                 | <b>Facility Type:</b> Landfill                                                  |                                                                                                    |
|         |                 | <b>District Office:</b> Barrie                                                  |                                                                                                    |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED: 23,768 IN 1980 | <b>Approval Description:</b>                                                                       |
|         |                 | <b>Total Area (ha):</b> 40.5                                                    |                                                                                                    |
|         |                 | <b>Landfill Capacity (m³):</b> 602575                                           | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS] |
|         |                 | <b>Landfill Monitoring:</b>                                                     |                                                                                                    |
|         |                 | <b>Landfill Control Type:</b>                                                   |                                                                                                    |
|         |                 | <b>Est. Closure Date:</b>                                                       |                                                                                                    |
|         |                 | <b>Transfer Area (ha)</b> 0                                                     | <b>Site Closing Description:</b> A250601                                                           |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                                |                                                                                                    |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                                |                                                                                                    |
|         |                 | <b>Incinerator Area (ha):</b> 0                                                 |                                                                                                    |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                              |                                                                                                    |
|         |                 | <b>Processing Area (m³):</b> 0                                                  |                                                                                                    |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                            |                                                                                                    |
|         |                 | <b>Processing Volume (m³):</b> 0                                                |                                                                                                    |
|         |                 | <b>Processing Feed (m³):</b> 0                                                  |                                                                                                    |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                                                                                    | Site Address                                                                                       |
|---------|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                                                                                           | KITCHENER ST., , CITY OF ORILLIA                                                                   |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                                                                                                   | <b>Mobile Units:</b>                                                                               |
|         | ANDR-4          | <b>Issue Date:</b> 06/14/1988                                                                                                                     | <b>Mobile Description:</b>                                                                         |
|         |                 | <b>Status:</b>                                                                                                                                    | <b>Mobile Capacity:</b> 0                                                                          |
|         |                 | <b>Application Status:</b>                                                                                                                        | <b>Mobile Unit Cert. No.:</b>                                                                      |
|         |                 | <b>Concession:</b> 4                                                                                                                              | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                            |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                                                                                       | <b>Waste Type Other:</b> Yes                                                                       |
|         |                 |                                                                                                                                                   | <b>Waste Class:</b>                                                                                |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                                                                                              | <b>Other Approvals/Permits:</b>                                                                    |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                                                                                                 |                                                                                                    |
|         |                 | <b>Address:</b> PO BOX 7                                                                                                                          | <b>Project Description:</b>                                                                        |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                                                                                                      |                                                                                                    |
|         |                 | <b>Facility Type:</b> Landfill                                                                                                                    |                                                                                                    |
|         |                 | <b>District Office:</b> Barrie                                                                                                                    |                                                                                                    |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA --- EMERGENCY CERTIFICATE INCLUDES TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,768 IN 1980 | <b>Approval Description:</b>                                                                       |
|         |                 | <b>Total Area (ha):</b> 40.5                                                                                                                      |                                                                                                    |
|         |                 | <b>Landfill Capacity (m³):</b> 602575                                                                                                             | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS] |
|         |                 | <b>Landfill Monitoring:</b>                                                                                                                       |                                                                                                    |
|         |                 | <b>Landfill Control Type:</b>                                                                                                                     |                                                                                                    |
|         |                 | <b>Est. Closure Date:</b>                                                                                                                         |                                                                                                    |
|         |                 | <b>Transfer Area (ha)</b> 0                                                                                                                       | <b>Site Closing Description:</b> A250601                                                           |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                                                                                                  |                                                                                                    |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                                                                                                  |                                                                                                    |
|         |                 | <b>Incinerator Area (ha):</b> 0                                                                                                                   |                                                                                                    |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                                                                                                |                                                                                                    |
|         |                 | <b>Processing Area (m³):</b> 0                                                                                                                    |                                                                                                    |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                                                                                              |                                                                                                    |
|         |                 | <b>Processing Volume (m³):</b> 0                                                                                                                  |                                                                                                    |
|         |                 | <b>Processing Feed (m³):</b> 0                                                                                                                    |                                                                                                    |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                                                  | Site Address                                                                                                                                                                                                                                                   |
|---------|-----------------|-----------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                                                         | KITCHENER ST., , CITY OF ORILLIA                                                                                                                                                                                                                               |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                                                                 | <b>Mobile Units:</b>                                                                                                                                                                                                                                           |
|         | ANDR-4          | <b>Issue Date:</b> 06/25/1990                                                                                   | <b>Mobile Description:</b>                                                                                                                                                                                                                                     |
|         |                 | <b>Status:</b>                                                                                                  | <b>Mobile Capacity:</b> 0                                                                                                                                                                                                                                      |
|         |                 | <b>Application Status:</b>                                                                                      | <b>Mobile Unit Cert. No.:</b>                                                                                                                                                                                                                                  |
|         |                 | <b>Concession:</b> 4                                                                                            | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                                                                                                                                                        |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                                                     | <b>Waste Type Other:</b> Yes                                                                                                                                                                                                                                   |
|         |                 |                                                                                                                 | <b>Waste Class:</b>                                                                                                                                                                                                                                            |
|         |                 |                                                                                                                 | <b>Other Approvals/Permits:</b>                                                                                                                                                                                                                                |
|         |                 |                                                                                                                 | <b>Project Description:</b>                                                                                                                                                                                                                                    |
|         |                 | <b>Address:</b> PO BOX 7                                                                                        |                                                                                                                                                                                                                                                                |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                                                                    |                                                                                                                                                                                                                                                                |
|         |                 | <b>Facility Type:</b> Landfill                                                                                  |                                                                                                                                                                                                                                                                |
|         |                 | <b>District Office:</b> Barrie                                                                                  |                                                                                                                                                                                                                                                                |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984 | <b>Approval Description:</b> NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUNE 14 1988. THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF DECEMBER 31/1990 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs |
|         |                 | <b>Total Area (ha):</b> 40.5                                                                                    |                                                                                                                                                                                                                                                                |
|         |                 | <b>Landfill Capacity (m³):</b> 602575                                                                           | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                                                                                                                                             |
|         |                 | <b>Landfill Monitoring:</b> groundwater, surface water                                                          |                                                                                                                                                                                                                                                                |
|         |                 | <b>Landfill Control Type:</b> surface water, groundwater                                                        |                                                                                                                                                                                                                                                                |
|         |                 | <b>Est. Closure Date:</b>                                                                                       |                                                                                                                                                                                                                                                                |
|         |                 | <b>Transfer Area (ha)</b> 0                                                                                     | <b>Site Closing Description:</b> A250601                                                                                                                                                                                                                       |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                                |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                                                                |                                                                                                                                                                                                                                                                |
|         |                 | <b>Incinerator Area (ha):</b> 0                                                                                 |                                                                                                                                                                                                                                                                |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                                                              |                                                                                                                                                                                                                                                                |
|         |                 | <b>Processing Area (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                                |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                                                            |                                                                                                                                                                                                                                                                |
|         |                 | <b>Processing Volume (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                                |
|         |                 | <b>Processing Feed (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                                |



## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                                                  | Site Address                                                                                                                                                                                                                                          |
|---------|-----------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                                                         | KITCHENER ST., , CITY OF ORILLIA                                                                                                                                                                                                                      |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                                                                 | <b>Mobile Units:</b>                                                                                                                                                                                                                                  |
|         | ANDR-4          | <b>Issue Date:</b> 12/27/1990                                                                                   | <b>Mobile Description:</b>                                                                                                                                                                                                                            |
|         |                 | <b>Status:</b>                                                                                                  | <b>Mobile Capacity:</b> 0                                                                                                                                                                                                                             |
|         |                 | <b>Application Status:</b>                                                                                      | <b>Mobile Unit Cert. No.:</b>                                                                                                                                                                                                                         |
|         |                 | <b>Concession:</b> 4                                                                                            | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                                                                                                                                               |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                                                     | <b>Waste Type Other:</b> Yes                                                                                                                                                                                                                          |
|         |                 |                                                                                                                 | <b>Waste Class:</b>                                                                                                                                                                                                                                   |
|         |                 |                                                                                                                 | <b>Other Approvals/Permits:</b>                                                                                                                                                                                                                       |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                                                            |                                                                                                                                                                                                                                                       |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                                                               |                                                                                                                                                                                                                                                       |
|         |                 |                                                                                                                 | <b>Project Description:</b>                                                                                                                                                                                                                           |
|         |                 | <b>Address:</b> PO BOX 7                                                                                        |                                                                                                                                                                                                                                                       |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                                                                    |                                                                                                                                                                                                                                                       |
|         |                 | <b>Facility Type:</b> Landfill                                                                                  |                                                                                                                                                                                                                                                       |
|         |                 | <b>District Office:</b> Barrie                                                                                  |                                                                                                                                                                                                                                                       |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984 | <b>Approval Description:</b> NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88. THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF MAY 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs |
|         |                 | <b>Total Area (ha):</b> 40.5                                                                                    |                                                                                                                                                                                                                                                       |
|         |                 | <b>Landfill Capacity (m³):</b> 602575                                                                           | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                                                                                                                                    |
|         |                 | <b>Landfill Monitoring:</b> groundwater, surface water                                                          |                                                                                                                                                                                                                                                       |
|         |                 | <b>Landfill Control Type:</b> surface water, groundwater                                                        |                                                                                                                                                                                                                                                       |
|         |                 | <b>Est. Closure Date:</b>                                                                                       |                                                                                                                                                                                                                                                       |
|         |                 | <b>Transfer Area (ha)</b> 0                                                                                     | <b>Site Closing Description:</b> A250601                                                                                                                                                                                                              |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                       |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                                                                |                                                                                                                                                                                                                                                       |
|         |                 | <b>Incinerator Area (ha):</b> 0                                                                                 |                                                                                                                                                                                                                                                       |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                                                              |                                                                                                                                                                                                                                                       |
|         |                 | <b>Processing Area (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                       |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                                                            |                                                                                                                                                                                                                                                       |
|         |                 | <b>Processing Volume (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                       |
|         |                 | <b>Processing Feed (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                       |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                                                  | Site Address                                                                                                                                                                                                                                                |
|---------|-----------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                                                         | KITCHENER ST., , CITY OF ORILLIA                                                                                                                                                                                                                            |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                                                                 | <b>Mobile Units:</b>                                                                                                                                                                                                                                        |
|         | ANDR-4          | <b>Issue Date:</b> 04/30/1991                                                                                   | <b>Mobile Description:</b>                                                                                                                                                                                                                                  |
|         |                 | <b>Status:</b>                                                                                                  | <b>Mobile Capacity:</b> 0                                                                                                                                                                                                                                   |
|         |                 | <b>Application Status:</b>                                                                                      | <b>Mobile Unit Cert. No.:</b>                                                                                                                                                                                                                               |
|         |                 | <b>Concession:</b> 4                                                                                            | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                                                                                                                                                     |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                                                     | <b>Waste Type Other:</b> Yes                                                                                                                                                                                                                                |
|         |                 |                                                                                                                 | <b>Waste Class:</b>                                                                                                                                                                                                                                         |
|         |                 |                                                                                                                 | <b>Other Approvals/Permits:</b>                                                                                                                                                                                                                             |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                                                            |                                                                                                                                                                                                                                                             |
|         |                 | <b>Proponent:</b> CITY OF ORILLIA                                                                               |                                                                                                                                                                                                                                                             |
|         |                 |                                                                                                                 | <b>Project Description:</b>                                                                                                                                                                                                                                 |
|         |                 | <b>Address:</b> PO BOX 7                                                                                        |                                                                                                                                                                                                                                                             |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                                                                    |                                                                                                                                                                                                                                                             |
|         |                 | <b>Facility Type:</b> Landfill                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>District Office:</b> Barrie                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984 | <b>Approval Description:</b> NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88 . THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF NOVEMBER 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs |
|         |                 | <b>Total Area (ha):</b> 40.5                                                                                    |                                                                                                                                                                                                                                                             |
|         |                 | <b>Landfill Capacity (m³):</b> 602575                                                                           | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                                                                                                                                          |
|         |                 | <b>Landfill Monitoring:</b> groundwater, surface water                                                          |                                                                                                                                                                                                                                                             |
|         |                 | <b>Landfill Control Type:</b> surface water, groundwater                                                        |                                                                                                                                                                                                                                                             |
|         |                 | <b>Est. Closure Date:</b>                                                                                       |                                                                                                                                                                                                                                                             |
|         |                 | <b>Transfer Area (ha)</b> 0                                                                                     | <b>Site Closing Description:</b> A250601                                                                                                                                                                                                                    |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Incinerator Area (ha):</b> 0                                                                                 |                                                                                                                                                                                                                                                             |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                                                              |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Area (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                                                            |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Volume (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Feed (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                             |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                                                  | Site Address                                                                                                                                                                                                                                                |
|---------|-----------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER LANDFILL SITE                                                                                         | KITCHENER ST., , ORILLIA, CITY OF                                                                                                                                                                                                                           |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                                                                 | <b>Mobile Units:</b>                                                                                                                                                                                                                                        |
|         | ANDR-4          | <b>Issue Date:</b> 11/04/1991                                                                                   | <b>Mobile Description:</b>                                                                                                                                                                                                                                  |
|         |                 | <b>Status:</b>                                                                                                  | <b>Mobile Capacity:</b> 0                                                                                                                                                                                                                                   |
|         |                 | <b>Application Status:</b>                                                                                      | <b>Mobile Unit Cert. No.:</b>                                                                                                                                                                                                                               |
|         |                 | <b>Concession:</b> 4                                                                                            | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                                                                                                                                                     |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                                                     | <b>Waste Type Other:</b> Yes                                                                                                                                                                                                                                |
|         |                 |                                                                                                                 | <b>Waste Class:</b>                                                                                                                                                                                                                                         |
|         |                 | <b>Region/County:</b> CENTRAL/SIMCOE                                                                            | <b>Other Approvals/Permits:</b>                                                                                                                                                                                                                             |
|         |                 | <b>Proponent:</b> ORILLIA, CITY OF                                                                              |                                                                                                                                                                                                                                                             |
|         |                 | <b>Address:</b> PO BOX 7                                                                                        | <b>Project Description:</b>                                                                                                                                                                                                                                 |
|         |                 | <b>City:</b> ONTARIO ORILLIA                                                                                    |                                                                                                                                                                                                                                                             |
|         |                 | <b>Facility Type:</b> Landfill                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>District Office:</b> Barrie                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984 | <b>Approval Description:</b> NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88 . THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF NOVEMBER 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs |
|         |                 | <b>Total Area (ha):</b> 40.5                                                                                    |                                                                                                                                                                                                                                                             |
|         |                 | <b>Landfill Capacity (m³):</b> 602575                                                                           | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                                                                                                                                          |
|         |                 | <b>Landfill Monitoring:</b> groundwater, surface water                                                          |                                                                                                                                                                                                                                                             |
|         |                 | <b>Landfill Control Type:</b> surface water, groundwater                                                        |                                                                                                                                                                                                                                                             |
|         |                 | <b>Est. Closure Date:</b>                                                                                       |                                                                                                                                                                                                                                                             |
|         |                 | <b>Transfer Area (ha)</b> 0                                                                                     | <b>Site Closing Description:</b> A250601                                                                                                                                                                                                                    |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Incinerator Area (ha):</b> 0                                                                                 |                                                                                                                                                                                                                                                             |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                                                              |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Area (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                                                            |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Volume (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Feed (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                             |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                                                                  | Site Address                                                                                                                                                                                                                                                |
|---------|-----------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER STREET LANDFILL SITE                                                                                  | KITCHENER ST., , ORILLIA, CITY OF                                                                                                                                                                                                                           |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                                                                 | <b>Mobile Units:</b>                                                                                                                                                                                                                                        |
|         | ANDR-4          | <b>Issue Date:</b> 03/19/1999                                                                                   | <b>Mobile Description:</b>                                                                                                                                                                                                                                  |
|         |                 | <b>Status:</b> Approved                                                                                         | <b>Mobile Capacity:</b> 0                                                                                                                                                                                                                                   |
|         |                 | <b>Application Status:</b>                                                                                      | <b>Mobile Unit Cert. No.:</b>                                                                                                                                                                                                                               |
|         |                 | <b>Concession:</b> 4                                                                                            | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                                                                                                                                                                                     |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST                                                     | <b>Waste Type Other:</b> Yes                                                                                                                                                                                                                                |
|         |                 |                                                                                                                 | <b>Waste Class:</b>                                                                                                                                                                                                                                         |
|         |                 |                                                                                                                 | <b>Other Approvals/Permits:</b>                                                                                                                                                                                                                             |
|         |                 | <b>Region/County:</b> SIMCOE                                                                                    |                                                                                                                                                                                                                                                             |
|         |                 | <b>Proponent:</b> ORILLIA, CITY OF                                                                              |                                                                                                                                                                                                                                                             |
|         |                 |                                                                                                                 | <b>Project Description:</b>                                                                                                                                                                                                                                 |
|         |                 | <b>Address:</b> 50 Andrew St. S., Box 340                                                                       |                                                                                                                                                                                                                                                             |
|         |                 | <b>City:</b> Orillia, Ontario                                                                                   |                                                                                                                                                                                                                                                             |
|         |                 | <b>Facility Type:</b> Landfill                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>District Office:</b> Barrie                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA, TOWNSHIPS OF RAMA AND ORILLIA. POPULATION SERVED: 23,040 IN 1984 | <b>Approval Description:</b> NOTICE : CONDITION #2 REVOKED AND REPLACED TO EXTEND THE COFA ISSUED JUN 14/88 . THIS SITE MAY STILL OPERATE FOR THE TOWNSHIPS OF RAMA & ORILLIA UNTIL DATE OF NOVEMBER 1/1991 TO ALLOW TIME FOR THE APPLICANT TO OBTAIN COFAs |
|         |                 | <b>Total Area (ha):</b> 40.5                                                                                    |                                                                                                                                                                                                                                                             |
|         |                 | <b>Landfill Capacity (m³):</b> 602575                                                                           | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS]                                                                                                                                                          |
|         |                 | <b>Landfill Monitoring:</b> groundwater, surface water                                                          |                                                                                                                                                                                                                                                             |
|         |                 | <b>Landfill Control Type:</b> surface water, groundwater                                                        |                                                                                                                                                                                                                                                             |
|         |                 | <b>Est. Closure Date:</b>                                                                                       |                                                                                                                                                                                                                                                             |
|         |                 | <b>Transfer Area (ha)</b> 0                                                                                     | <b>Site Closing Description:</b> A250601                                                                                                                                                                                                                    |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Incinerator Area (ha):</b> 0                                                                                 |                                                                                                                                                                                                                                                             |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                                                              |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Area (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                                                            |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Volume (m³):</b> 0                                                                                |                                                                                                                                                                                                                                                             |
|         |                 | <b>Processing Feed (m³):</b> 0                                                                                  |                                                                                                                                                                                                                                                             |

## Waste Disposal Sites - MOE CA Inventory

| Map Key | Related Site(s) | Operation Name                                                          | Site Address                                                                                       |
|---------|-----------------|-------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| n/a     | ANDR-2          | KITCHENER STREET LANDFILL SITE                                          | KITCHENER ST., , CITY OF ORILLIA                                                                   |
|         | ANDR-3          | <b>Certificate No.:</b> A250601                                         | <b>Mobile Units:</b>                                                                               |
|         | ANDR-4          | <b>Issue Date:</b> 11/11/1111                                           | <b>Mobile Description:</b>                                                                         |
|         |                 | <b>Status:</b> 114                                                      | <b>Mobile Capacity:</b> 0                                                                          |
|         |                 | <b>Application Status:</b>                                              | <b>Mobile Unit Cert. No.:</b>                                                                      |
|         |                 | <b>Concession:</b> 4                                                    | <b>Waste Type:</b> domestic, commercial, non-hazardous solid-industrial                            |
|         |                 | <b>Lot:</b> 11 & 12 LOCATED AT WESTERLY END OF KITCHENER ST             | <b>Waste Type Other:</b> Yes                                                                       |
|         |                 |                                                                         | <b>Waste Class:</b>                                                                                |
|         |                 | <b>Region/County:</b> SIMCOE                                            | <b>Other Approvals/Permits:</b>                                                                    |
|         |                 | <b>Proponent:</b> ORILLIA, CITY OF                                      |                                                                                                    |
|         |                 | <b>Address:</b> 50 Andrew St. S., Box 340                               | <b>Project Description:</b>                                                                        |
|         |                 | <b>City:</b> Orillia, Ontario                                           |                                                                                                    |
|         |                 | <b>Facility Type:</b> Landfill                                          |                                                                                                    |
|         |                 | <b>District Office:</b> Barrie                                          |                                                                                                    |
|         |                 | <b>Municipalities Served:</b> CITY OF ORILLIA POPULATION SERVED: 21,500 | <b>Approval Description:</b>                                                                       |
|         |                 | <b>Total Area (ha):</b> 28.3                                            |                                                                                                    |
|         |                 | <b>Landfill Capacity (m³):</b> 163000                                   | <b>Waste Description:</b> DOM. 60% COM 15% IND. WASTE 18% OTHER 7% [INCLUDES TREES, BRUSH, DEBRIS] |
|         |                 | <b>Landfill Monitoring:</b>                                             |                                                                                                    |
|         |                 | <b>Landfill Control Type:</b>                                           |                                                                                                    |
|         |                 | <b>Est. Closure Date:</b>                                               |                                                                                                    |
|         |                 | <b>Transfer Area (ha)</b> 0                                             | <b>Site Closing Description:</b> A250601                                                           |
|         |                 | <b>Transfer Capacity (m³):</b> 0                                        |                                                                                                    |
|         |                 | <b>Transfer Sites Cert. No.:</b>                                        |                                                                                                    |
|         |                 | <b>Incinerator Area (ha):</b> 0                                         |                                                                                                    |
|         |                 | <b>Incinerator Capacity (t):</b> 0                                      |                                                                                                    |
|         |                 | <b>Processing Area (m³):</b> 0                                          |                                                                                                    |
|         |                 | <b>Processing Capacity (m³/d):</b> 0                                    |                                                                                                    |
|         |                 | <b>Processing Volume (m³):</b> 0                                        |                                                                                                    |
|         |                 | <b>Processing Feed (m³):</b> 0                                          |                                                                                                    |

Waste Disposal Sites - MOE 1991 Historical Approval Inventory

\*\*Note: Status as of October 30, 1990.

| Map Key | Company | Address                  | Site No.            | Region  | County                                                     | Concession | Lot      |
|---------|---------|--------------------------|---------------------|---------|------------------------------------------------------------|------------|----------|
| WDSH-1  |         | PT 11-12<br>4<br>ORILLIA | A250601             | CENTRAL | SIMCOE                                                     | 4          | PT 11-12 |
|         |         |                          | Easting:            |         | 625680                                                     |            |          |
|         |         |                          | Northing:           |         | 4938210                                                    |            |          |
|         |         |                          | Zone:               |         | 17                                                         |            |          |
|         |         |                          | Date Closed         |         | n/a                                                        |            |          |
|         |         |                          | Status:             |         | ACTIVE                                                     |            |          |
|         |         |                          | Classification:     |         | A3 - POTENTIAL HUMAN IMPACT-URBAN MUNICIPAL/DOMESTIC WASTE |            |          |
|         |         |                          | %CommercialWste:    |         | 10                                                         |            |          |
|         |         |                          | %DomesticWste Rec:  |         | 55                                                         |            |          |
|         |         |                          | %LiquidWste Rec:    |         | 0                                                          |            |          |
|         |         |                          | %HazardousWste Rec: |         | 0                                                          |            |          |
|         |         |                          | %Non-haz.Wste Rec:  |         | 18                                                         |            |          |
|         |         |                          | %Sewage/Sludge Rec: |         | 0                                                          |            |          |
|         |         |                          | %Other Wste Rec:    |         | 17                                                         |            |          |

Water Well Information System

| Map Key | Company | Address | Well Id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Lot                   | Concession | Concession Name        | County                    | Municipality |
|---------|---------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|------------------------|---------------------------|--------------|
| WWIS-1  |         |         | 5711943                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                       |            |                        | SIMCOE                    | ORILLIA CITY |
|         |         |         | <b>Easting Nad83:</b> 626321.6<br><b>Northing Nad83:</b> 4939034<br><b>Zone:</b> 17<br><b>Utm Reliability:</b> margin of error : 30 m - 100 m<br><b>Construction Date:</b> 4/3/1974<br><b>Primary Water Use:</b> Commerical<br><b>Secondary Water Use:</b><br><b>Well Depth:</b> 47 ft<br><b>Pump Rate:</b> 6 GPM<br><b>Static Water Level:</b> 30 ft<br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b> CLOUDY<br><b>Specific Capacity:</b><br><b>Final Well Status:</b> Water Supply<br><b>Construction Method:</b> Cable Tool<br><b>Flowing (y/n):</b> N<br><b>Elevation (m):</b> 217.194625<br><b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b> 0<br><b>Overburden/Bedrock:</b> Mixed in a Layer<br><b>Water Type:</b> FRESH<br><b>Casing Material:</b> STEEL, OPEN HOLE |                       |            |                        |                           |              |
|         |         |         | <u>Thickness</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | <u>Original Depth</u> |            | <u>Material Colour</u> | <u>Material</u>           |              |
|         |         |         | 25 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 25 ft                 |            | BROWN                  | CLAY, SANDSTONE, BOULDERS |              |
|         |         |         | 4 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 29 ft                 |            | GREY                   | LIMESTONE, SHALE          |              |
|         |         |         | 18 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 47 ft                 |            | GREY                   | LIMESTONE                 |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Company | Address | Well Id          | Lot                   | Concession             | Concession Name                | County | Municipality |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|--------------------------------|--------|--------------|
| WWIS-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | ORILLIA | 7154933          |                       |                        |                                | SIMCOE | ORILLIA CITY |
| <div>Easting Nad83: 626403</div> <div>Northing Nad83: 4938887</div> <div>Zone: 17</div> <div>Utm Reliability: margin of error : 10 - 30 m</div> <div>Construction Date:</div> <div>Primary Water Use: Monitoring</div> <div>Secondary Water Use:</div> <div>Well Depth: 5.2 m</div> <div>Pump Rate:</div> <div>Static Water Level:</div> <div>Flow Rate:</div> <div>Clear/Cloudy:</div> <div>Specific Capacity:</div> <div>Final Well Status: Observation Wells</div> <div>Construction Method: Boring</div> <div>Flowing (y/n):</div> <div>Elevation (m):</div> <div>Elevation Reliability:</div> <div>Depth to Bedrock:</div> <div>Overburden/Bedrock:</div> <div>Water Type:</div> <div>Casing Material: PLASTIC</div> |         |         |                  |                       |                        |                                |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> | <u>Material</u>                |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 1.6 m            | 1.6 m                 | BROWN                  | SAND, FILL                     |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 3.6 m            | 5.2 m                 | BROWN                  | TILL, FRACTURED, WATER-BEARING |        |              |



Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Company | Address                        | Well Id          | Lot                       | Concession             | Concession Name | County          | Municipality |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------|------------------|---------------------------|------------------------|-----------------|-----------------|--------------|
| WWIS-3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         | 30 KITCHENER STREET<br>Orillia | 7052025          |                           |                        |                 | SIMCOE          | ORILLIA CITY |
| <div>Easting Nad83: 651361<br/>Northing Nad83: 7853191<br/>Zone: 17<br/>Utm Reliability: margin of error : 10 - 30 m<br/>Construction Date: 7/11/2007<br/>Primary Water Use: Monitoring<br/>Secondary Water Use:<br/>Well Depth:<br/>Pump Rate:<br/>Static Water Level:<br/>Flow Rate:<br/>Clear/Cloudy:<br/>Specific Capacity:<br/>Final Well Status: Observation Wells<br/>Construction Method: Boring<br/>Flowing (y/n):<br/>Elevation (m):<br/>Elevation Reliability:<br/>Depth to Bedrock:<br/>Overburden/Bedrock:<br/>Water Type:<br/>Casing Material: PLASTIC</div> |         |                                |                  |                           |                        |                 |                 |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                                | <u>Thickness</u> | <u>Original<br/>Depth</u> | <u>Material Colour</u> |                 | <u>Material</u> |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Company | Address | Well Id          | Lot                   | Concession             | Concession Name | County                      | Municipality |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|-----------------|-----------------------------|--------------|
| WWIS-4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | ORILLIA | 7154935          |                       |                        |                 | SIMCOE                      | ORILLIA CITY |
| <div><div><div>Easting Nad83: 626252</div><div>Northing Nad83: 4938795</div><div>Zone: 17</div><div>Utm Reliability: margin of error : 10 - 30 m</div><div>Construction Date:</div><div>Primary Water Use: Monitoring</div><div>Secondary Water Use:</div><div>Well Depth: 10 m</div><div>Pump Rate:</div><div>Static Water Level:</div><div>Flow Rate:</div><div>Clear/Cloudy:</div><div>Specific Capacity:</div><div>Final Well Status: Observation Wells</div><div>Construction Method: Boring</div><div>Flowing (y/n):</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock:</div><div>Overburden/Bedrock:</div><div>Water Type:</div><div>Casing Material: PLASTIC</div></div></div> |         |         |                  |                       |                        |                 |                             |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u>             |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 2.2 m            | 2.2 m                 | BLACK                  |                 | PEAT, GRAVEL, WATER-BEARING |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 2.9 m            | 5.1 m                 | GREY                   |                 | SILT, CLAY, WATER-BEARING   |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 1.6 m            | 6.7 m                 | GREY                   |                 | SAND, SILT, FINE SAND       |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 3.3 m            | 10 m                  | GREY                   |                 | TILL, SAND, SILT            |              |

Water Well Information System

| Map Key | Company | Address                | Well Id                                      | Lot               | Concession | Concession Name | County   | Municipality |
|---------|---------|------------------------|----------------------------------------------|-------------------|------------|-----------------|----------|--------------|
| WWIS-5  |         |                        | 7154939                                      |                   |            |                 | SIMCOE   | ORILLIA CITY |
|         |         |                        | Easting Nad83: 626545                        |                   |            |                 |          |              |
|         |         |                        | Northing Nad83: 4938790                      |                   |            |                 |          |              |
|         |         |                        | Zone: 17                                     |                   |            |                 |          |              |
|         |         |                        | Utm Reliability: margin of error : 10 - 30 m |                   |            |                 |          |              |
|         |         |                        | Construction Date: 9/24/2010                 |                   |            |                 |          |              |
|         |         |                        | Primary Water Use:                           |                   |            |                 |          |              |
|         |         |                        | Secondary Water Use:                         |                   |            |                 |          |              |
|         |         |                        | Well Depth:                                  |                   |            |                 |          |              |
|         |         |                        | Pump Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Static Water Level:                          |                   |            |                 |          |              |
|         |         |                        | Flow Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Clear/Cloudy:                                |                   |            |                 |          |              |
|         |         |                        | Specific Capacity:                           |                   |            |                 |          |              |
|         |         | Final Well Status:     |                                              |                   |            |                 |          |              |
|         |         | Construction Method:   |                                              |                   |            |                 |          |              |
|         |         | Flowing (y/n):         |                                              |                   |            |                 |          |              |
|         |         | Elevation (m):         |                                              |                   |            |                 |          |              |
|         |         | Elevation Reliability: |                                              |                   |            |                 |          |              |
|         |         | Depth to Bedrock:      |                                              |                   |            |                 |          |              |
|         |         | Overburden/Bedrock:    |                                              |                   |            |                 |          |              |
|         |         | Water Type:            |                                              |                   |            |                 |          |              |
|         |         | Casing Material:       |                                              |                   |            |                 |          |              |
|         |         |                        | Thickness                                    | Original<br>Depth |            | Material Colour | Material |              |

Water Well Information System

| Map Key | Company | Address                | Well Id                                      | Lot               | Concession | Concession Name | County   | Municipality |
|---------|---------|------------------------|----------------------------------------------|-------------------|------------|-----------------|----------|--------------|
| WWIS-6  |         |                        | 7154938                                      |                   |            |                 | SIMCOE   | ORILLIA CITY |
|         |         |                        | Easting Nad83: 626427                        |                   |            |                 |          |              |
|         |         |                        | Northing Nad83: 4938727                      |                   |            |                 |          |              |
|         |         |                        | Zone: 17                                     |                   |            |                 |          |              |
|         |         |                        | Utm Reliability: margin of error : 10 - 30 m |                   |            |                 |          |              |
|         |         |                        | Construction Date: 9/23/2010                 |                   |            |                 |          |              |
|         |         |                        | Primary Water Use:                           |                   |            |                 |          |              |
|         |         |                        | Secondary Water Use:                         |                   |            |                 |          |              |
|         |         |                        | Well Depth:                                  |                   |            |                 |          |              |
|         |         |                        | Pump Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Static Water Level:                          |                   |            |                 |          |              |
|         |         |                        | Flow Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Clear/Cloudy:                                |                   |            |                 |          |              |
|         |         |                        | Specific Capacity:                           |                   |            |                 |          |              |
|         |         | Final Well Status:     |                                              |                   |            |                 |          |              |
|         |         | Construction Method:   |                                              |                   |            |                 |          |              |
|         |         | Flowing (y/n):         |                                              |                   |            |                 |          |              |
|         |         | Elevation (m):         |                                              |                   |            |                 |          |              |
|         |         | Elevation Reliability: |                                              |                   |            |                 |          |              |
|         |         | Depth to Bedrock:      |                                              |                   |            |                 |          |              |
|         |         | Overburden/Bedrock:    |                                              |                   |            |                 |          |              |
|         |         | Water Type:            |                                              |                   |            |                 |          |              |
|         |         | Casing Material:       |                                              |                   |            |                 |          |              |
|         |         |                        | Thickness                                    | Original<br>Depth |            | Material Colour | Material |              |

## Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Company | Address                 | Well Id          | Lot                       | Concession             | Concession Name | County                     | Municipality     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------|------------------|---------------------------|------------------------|-----------------|----------------------------|------------------|
| WWIS-7                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | lot 12 con 4<br>ORILLIA | 7132873          | 012                       | 04                     | SD              | SIMCOE                     | ORILLIA TOWNSHIP |
| <b>Easting Nad83:</b> 626429<br><b>Northing Nad83:</b> 4938724<br><b>Zone:</b> 17<br><b>Utm Reliability:</b> margin of error : 10 - 30 m<br><b>Construction Date:</b> 9/10/2009<br><b>Primary Water Use:</b> Monitoring<br><b>Secondary Water Use:</b><br><b>Well Depth:</b> 34 ft<br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b><br><b>Specific Capacity:</b><br><b>Final Well Status:</b> Observation Wells<br><b>Construction Method:</b> Rotary (Convent.)<br><b>Flowing (y/n):</b><br><b>Elevation (m):</b> 219.295562<br><b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b><br><b>Overburden/Bedrock:</b><br><b>Water Type:</b> Untested<br><b>Casing Material:</b> PLASTIC |         |                         |                  |                           |                        |                 |                            |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | <u>Thickness</u> | <u>Original<br/>Depth</u> | <u>Material Colour</u> |                 | <u>Material</u>            |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | 2.5 ft           | 2.5 ft                    | BROWN                  |                 | SAND, GRAVEL, DENSE        |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | 2.5 ft           | 5 ft                      | BROWN                  |                 | SAND, CLAY, PACKED         |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | 4 ft             | 9 ft                      | GREY                   |                 | SAND, GRAVEL, LOOSE        |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | 6 ft             | 15 ft                     | BROWN                  |                 | SAND, CLAY, LOOSE          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | 10 ft            | 25 ft                     | GREY                   |                 | SILT, SAND, PACKED         |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | 5 ft             | 30 ft                     | BROWN                  |                 | SAND, SILT, LOOSE          |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |                         | 4 ft             | 34 ft                     | GREY                   |                 | GRAVEL, ROCK,<br>FRACTURED |                  |

Water Well Information System

| Map Key                              | Company        | Address         | Well Id                     | Lot | Concession | Concession Name | County | Municipality |                                              |
|--------------------------------------|----------------|-----------------|-----------------------------|-----|------------|-----------------|--------|--------------|----------------------------------------------|
| WWIS-8                               |                | ORILLIA         | 7154934                     |     |            |                 | SIMCOE | ORILLIA CITY |                                              |
|                                      |                |                 |                             |     |            |                 |        |              | Easting Nad83: 626241                        |
|                                      |                |                 |                             |     |            |                 |        |              | Northing Nad83: 4938659                      |
|                                      |                |                 |                             |     |            |                 |        |              | Zone: 17                                     |
|                                      |                |                 |                             |     |            |                 |        |              | Utm Reliability: margin of error : 10 - 30 m |
|                                      |                |                 |                             |     |            |                 |        |              | Construction Date: 9/15/2010                 |
|                                      |                |                 |                             |     |            |                 |        |              | Primary Water Use: Monitoring                |
|                                      |                |                 |                             |     |            |                 |        |              | Secondary Water Use:                         |
|                                      |                |                 |                             |     |            |                 |        |              | Well Depth: 4.2 m                            |
|                                      |                |                 |                             |     |            |                 |        |              | Pump Rate:                                   |
| Static Water Level:                  |                |                 |                             |     |            |                 |        |              |                                              |
| Flow Rate:                           |                |                 |                             |     |            |                 |        |              |                                              |
| Clear/Cloudy:                        |                |                 |                             |     |            |                 |        |              |                                              |
| Specific Capacity:                   |                |                 |                             |     |            |                 |        |              |                                              |
| Final Well Status: Observation Wells |                |                 |                             |     |            |                 |        |              |                                              |
| Construction Method: Boring          |                |                 |                             |     |            |                 |        |              |                                              |
| Flowing (y/n):                       |                |                 |                             |     |            |                 |        |              |                                              |
| Elevation (m):                       |                |                 |                             |     |            |                 |        |              |                                              |
| Elevation Reliability:               |                |                 |                             |     |            |                 |        |              |                                              |
| Depth to Bedrock:                    |                |                 |                             |     |            |                 |        |              |                                              |
| Overburden/Bedrock:                  |                |                 |                             |     |            |                 |        |              |                                              |
| Water Type:                          |                |                 |                             |     |            |                 |        |              |                                              |
| Casing Material: PLASTIC             |                |                 |                             |     |            |                 |        |              |                                              |
| Thickness                            | Original Depth | Material Colour | Material                    |     |            |                 |        |              |                                              |
| 1.2 m                                | 1.2 m          | BROWN           | SAND, GRAVEL, WATER-BEARING |     |            |                 |        |              |                                              |
| 3 m                                  | 4.2 m          |                 |                             |     |            |                 |        |              |                                              |

Water Well Information System

| Map Key | Company | Address | Well Id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Lot                       | Concession | Concession Name        | County          | Municipality |
|---------|---------|---------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|------------------------|-----------------|--------------|
| WWIS-9  |         |         | 7154937                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                           |            |                        | SIMCOE          | ORILLIA CITY |
|         |         |         | <b>Easting Nad83:</b> 626494<br><b>Northing Nad83:</b> 4938666<br><b>Zone:</b> 17<br><b>Utm Reliability:</b> margin of error : 10 - 30 m<br><b>Construction Date:</b> 9/24/2010<br><b>Primary Water Use:</b><br><b>Secondary Water Use:</b><br><b>Well Depth:</b><br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b><br><b>Specific Capacity:</b><br><b>Final Well Status:</b><br><b>Construction Method:</b><br><b>Flowing (y/n):</b><br><b>Elevation (m):</b><br><b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b><br><b>Overburden/Bedrock:</b><br><b>Water Type:</b><br><b>Casing Material:</b> |                           |            |                        |                 |              |
|         |         |         | <u>Thickness</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | <u>Original<br/>Depth</u> |            | <u>Material Colour</u> | <u>Material</u> |              |

Water Well Information System

| Map Key | Company | Address                | Well Id                                      | Lot               | Concession | Concession Name | County   | Municipality |
|---------|---------|------------------------|----------------------------------------------|-------------------|------------|-----------------|----------|--------------|
| WWIS-10 |         |                        | 7154940                                      |                   |            |                 | SIMCOE   | ORILLIA CITY |
|         |         |                        | Easting Nad83: 626264                        |                   |            |                 |          |              |
|         |         |                        | Northing Nad83: 4938606                      |                   |            |                 |          |              |
|         |         |                        | Zone: 17                                     |                   |            |                 |          |              |
|         |         |                        | Utm Reliability: margin of error : 10 - 30 m |                   |            |                 |          |              |
|         |         |                        | Construction Date: 9/21/2010                 |                   |            |                 |          |              |
|         |         |                        | Primary Water Use:                           |                   |            |                 |          |              |
|         |         |                        | Secondary Water Use:                         |                   |            |                 |          |              |
|         |         |                        | Well Depth:                                  |                   |            |                 |          |              |
|         |         |                        | Pump Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Static Water Level:                          |                   |            |                 |          |              |
|         |         |                        | Flow Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Clear/Cloudy:                                |                   |            |                 |          |              |
|         |         |                        | Specific Capacity:                           |                   |            |                 |          |              |
|         |         |                        | Final Well Status:                           |                   |            |                 |          |              |
|         |         | Construction Method:   |                                              |                   |            |                 |          |              |
|         |         | Flowing (y/n):         |                                              |                   |            |                 |          |              |
|         |         | Elevation (m):         |                                              |                   |            |                 |          |              |
|         |         | Elevation Reliability: |                                              |                   |            |                 |          |              |
|         |         | Depth to Bedrock:      |                                              |                   |            |                 |          |              |
|         |         | Overburden/Bedrock:    |                                              |                   |            |                 |          |              |
|         |         | Water Type:            |                                              |                   |            |                 |          |              |
|         |         | Casing Material:       |                                              |                   |            |                 |          |              |
|         |         |                        | Thickness                                    | Original<br>Depth |            | Material Colour | Material |              |



Water Well Information System

| Map Key | Company | Address | Well Id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Lot                   | Concession | Concession Name        | County          | Municipality |
|---------|---------|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|------------------------|-----------------|--------------|
| WWIS-11 |         |         | 5702664                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                       |            |                        | SIMCOE          | ORILLIA CITY |
|         |         |         | <b>Easting Nad83:</b> 626394.6<br><b>Northing Nad83:</b> 4938604<br><b>Zone:</b> 17<br><b>Utm Reliability:</b> unknown UTM<br><b>Construction Date:</b> 3/29/1958<br><b>Primary Water Use:</b> Domestic<br><b>Secondary Water Use:</b><br><b>Well Depth:</b> 28 ft<br><b>Pump Rate:</b> 4 GPM<br><b>Static Water Level:</b> 4 ft<br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b> CLEAR<br><b>Specific Capacity:</b><br><b>Final Well Status:</b> Water Supply<br><b>Construction Method:</b> Cable Tool<br><b>Flowing (y/n):</b> N<br><b>Elevation (m):</b> 218.514526<br><b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b> 17<br><b>Overburden/Bedrock:</b> Bedrock<br><b>Water Type:</b> FRESH<br><b>Casing Material:</b> STEEL, OPEN HOLE |                       |            |                        |                 |              |
|         |         |         | <u>Thickness</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | <u>Original Depth</u> |            | <u>Material Colour</u> | <u>Material</u> |              |
|         |         |         | 17 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 17 ft                 |            | BLUE                   | CLAY            |              |
|         |         |         | 11 ft                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 28 ft                 |            | GREY                   | LIMESTONE       |              |

Water Well Information System

| Map Key | Company | Address | Well Id                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Lot                       | Concession | Concession Name        | County          | Municipality |
|---------|---------|---------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------|------------|------------------------|-----------------|--------------|
| WWIS-12 |         |         | 7154941                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                           |            |                        | SIMCOE          | ORILLIA CITY |
|         |         |         | <b>Easting Nad83:</b> 626203<br><b>Northing Nad83:</b> 4938547<br><b>Zone:</b> 17<br><b>Utm Reliability:</b> margin of error : 10 - 30 m<br><b>Construction Date:</b><br><b>Primary Water Use:</b><br><b>Secondary Water Use:</b><br><b>Well Depth:</b><br><b>Pump Rate:</b><br><b>Static Water Level:</b><br><b>Flow Rate:</b><br><b>Clear/Cloudy:</b><br><b>Specific Capacity:</b><br><b>Final Well Status:</b><br><b>Construction Method:</b><br><b>Flowing (y/n):</b><br><b>Elevation (m):</b><br><b>Elevation Reliability:</b><br><b>Depth to Bedrock:</b><br><b>Overburden/Bedrock:</b><br><b>Water Type:</b><br><b>Casing Material:</b> |                           |            |                        |                 |              |
|         |         |         | <u>Thickness</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <u>Original<br/>Depth</u> |            | <u>Material Colour</u> | <u>Material</u> |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Company | Address | Well Id          | Lot                       | Concession             | Concession Name | County          | Municipality |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|---------------------------|------------------------|-----------------|-----------------|--------------|
| WWIS-13                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         | Orillia | 7154931          |                           |                        |                 | SIMCOE          | ORILLIA CITY |
| <div>Easting Nad83: 625970</div> <div>Northing Nad83: 4938375</div> <div>Zone: 17</div> <div>Utm Reliability: margin of error : 10 - 30 m</div> <div>Construction Date: 10/4/2010</div> <div>Primary Water Use: Monitoring</div> <div>Secondary Water Use:</div> <div>Well Depth:</div> <div>Pump Rate:</div> <div>Static Water Level:</div> <div>Flow Rate:</div> <div>Clear/Cloudy:</div> <div>Specific Capacity:</div> <div>Final Well Status: Abandoned-Other</div> <div>Construction Method: Boring</div> <div>Flowing (y/n):</div> <div>Elevation (m):</div> <div>Elevation Reliability:</div> <div>Depth to Bedrock:</div> <div>Overburden/Bedrock:</div> <div>Water Type:</div> <div>Casing Material:</div> |         |         |                  |                           |                        |                 |                 |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | <u>Thickness</u> | <u>Original<br/>Depth</u> | <u>Material Colour</u> |                 | <u>Material</u> |              |

Water Well Information System

| Map Key | Company | Address                | Well Id                                      | Lot               | Concession | Concession Name | County   | Municipality |
|---------|---------|------------------------|----------------------------------------------|-------------------|------------|-----------------|----------|--------------|
| WWIS-14 |         |                        | 7154936                                      |                   |            |                 | SIMCOE   | ORILLIA CITY |
|         |         |                        | Easting Nad83: 625970                        |                   |            |                 |          |              |
|         |         |                        | Northing Nad83: 4938375                      |                   |            |                 |          |              |
|         |         |                        | Zone: 17                                     |                   |            |                 |          |              |
|         |         |                        | Utm Reliability: margin of error : 10 - 30 m |                   |            |                 |          |              |
|         |         |                        | Construction Date:                           |                   |            |                 |          |              |
|         |         |                        | Primary Water Use:                           |                   |            |                 |          |              |
|         |         |                        | Secondary Water Use:                         |                   |            |                 |          |              |
|         |         |                        | Well Depth:                                  |                   |            |                 |          |              |
|         |         |                        | Pump Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Static Water Level:                          |                   |            |                 |          |              |
|         |         |                        | Flow Rate:                                   |                   |            |                 |          |              |
|         |         |                        | Clear/Cloudy:                                |                   |            |                 |          |              |
|         |         |                        | Specific Capacity:                           |                   |            |                 |          |              |
|         |         |                        | Final Well Status:                           |                   |            |                 |          |              |
|         |         | Construction Method:   |                                              |                   |            |                 |          |              |
|         |         | Flowing (y/n):         |                                              |                   |            |                 |          |              |
|         |         | Elevation (m):         |                                              |                   |            |                 |          |              |
|         |         | Elevation Reliability: |                                              |                   |            |                 |          |              |
|         |         | Depth to Bedrock:      |                                              |                   |            |                 |          |              |
|         |         | Overburden/Bedrock:    |                                              |                   |            |                 |          |              |
|         |         | Water Type:            |                                              |                   |            |                 |          |              |
|         |         | Casing Material:       |                                              |                   |            |                 |          |              |
|         |         |                        | Thickness                                    | Original<br>Depth |            | Material Colour | Material |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Company | Address          | Well Id              | Lot                           | Concession                 | Concession Name | County              | Municipality |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|------------------|----------------------|-------------------------------|----------------------------|-----------------|---------------------|--------------|
| WWIS-15                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         | 400 MEMORIAL AVE | 5739854              |                               |                            |                 | SIMCOE              | ORILLIA CITY |
| <div>Easting Nad83:<br/>Northing Nad83:<br/>Zone:<br/>Utm Reliability:<br/>Construction Date: 6/15/2005<br/>Primary Water Use:<br/>Secondary Water Use:<br/>Well Depth: 20 ft<br/>Pump Rate:<br/>Static Water Level:<br/>Flow Rate:<br/>Clear/Cloudy:<br/>Specific Capacity:<br/>Final Well Status: Observation Wells<br/>Construction Method: Boring<br/>Flowing (y/n):<br/>Elevation (m):<br/>Elevation Reliability:<br/>Depth to Bedrock:<br/>Overburden/Bedrock: Overburden<br/>Water Type:<br/>Casing Material:</div> |         |                  |                      |                               |                            |                 |                     |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                  | <div>Thickness</div> | <div>Original<br/>Depth</div> | <div>Material Colour</div> |                 | <div>Material</div> |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                  | 5 ft                 | 5 ft                          | BROWN                      |                 | GRAVEL, FILL, LOOSE |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |                  | 15 ft                | 20 ft                         | BROWN                      |                 | CLAY, SILT          |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Company | Address | Well Id          | Lot                   | Concession             | Concession Name           | County | Municipality |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|---------------------------|--------|--------------|
| WWIS-16                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         | ORILLIA | 7154932          |                       |                        |                           | SIMCOE | ORILLIA CITY |
| <div><div>Easting Nad83: 625349</div><div>Northing Nad83: 4938343</div><div>Zone: 17</div><div>Utm Reliability: margin of error : 10 - 30 m</div><div>Construction Date: 9/29/2010</div><div>Primary Water Use: Monitoring</div><div>Secondary Water Use:</div><div>Well Depth: 2.1 m</div><div>Pump Rate:</div><div>Static Water Level:</div><div>Flow Rate:</div><div>Clear/Cloudy:</div><div>Specific Capacity:</div><div>Final Well Status: Observation Wells</div><div>Construction Method: Boring</div><div>Flowing (y/n):</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock:</div><div>Overburden/Bedrock:</div><div>Water Type:</div><div>Casing Material: PLASTIC</div></div> |         |         |                  |                       |                        |                           |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> | <u>Material</u>           |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 1.2 m            | 1.2 m                 | BLACK                  | PEAT, SOFT, WATER-BEARING |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         | 0.9 m            | 2.1 m                 | GREY                   | PEAT, CLAY, WATER-BEARING |        |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Company | Address | Well Id          | Lot                   | Concession             | Concession Name  | County | Municipality |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|------------------|--------|--------------|
| WWIS-17                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         | ORILLIA | 5740869          |                       |                        |                  | SIMCOE | ORILLIA CITY |
| <div><div>Easting Nad83: 625084</div><div>Northing Nad83: 4938426</div><div>Zone: 17</div><div>Utm Reliability: margin of error : 10 - 30 m</div><div>Construction Date: 5/30/2006</div><div>Primary Water Use:</div><div>Secondary Water Use:</div><div>Well Depth: 5.5 m</div><div>Pump Rate:</div><div>Static Water Level:</div><div>Flow Rate:</div><div>Clear/Cloudy: OTHER</div><div>Specific Capacity:</div><div>Final Well Status: Observation Wells</div><div>Construction Method: Boring</div><div>Flowing (y/n): N</div><div>Elevation (m): 224.788696</div><div>Elevation Reliability:</div><div>Depth to Bedrock:</div><div>Overburden/Bedrock: Overburden</div><div>Water Type:</div><div>Casing Material: PLASTIC</div></div> |         |         |                  |                       |                        |                  |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> | <u>Material</u>  |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | 3 m              | 3 m                   | BROWN                  | SAND, CLAY       |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | 1.5 m            | 4.5 m                 | GREY                   | SAND, SILT, CLAY |        |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         | 1 m              | 5.5 m                 | GREY                   | CLAY, SILTY      |        |              |

Water Well Information System

| Map Key                                  | Company | Address | Well Id          | Lot                   | Concession             | Concession Name | County          | Municipality     |
|------------------------------------------|---------|---------|------------------|-----------------------|------------------------|-----------------|-----------------|------------------|
| n/a                                      |         | lot 11  | 5718665          | 011                   |                        | ND              | SIMCOE          | ORILLIA TOWNSHIP |
| <b>Easting Nad83:</b>                    |         |         |                  |                       |                        |                 |                 |                  |
| <b>Northing Nad83:</b>                   |         |         |                  |                       |                        |                 |                 |                  |
| <b>Zone:</b> 17                          |         |         |                  |                       |                        |                 |                 |                  |
| <b>Utm Reliability:</b> unknown UTM      |         |         |                  |                       |                        |                 |                 |                  |
| <b>Construction Date:</b> 9/19/1983      |         |         |                  |                       |                        |                 |                 |                  |
| <b>Primary Water Use:</b> Domestic       |         |         |                  |                       |                        |                 |                 |                  |
| <b>Secondary Water Use:</b>              |         |         |                  |                       |                        |                 |                 |                  |
| <b>Well Depth:</b> 75 ft                 |         |         |                  |                       |                        |                 |                 |                  |
| <b>Pump Rate:</b> 15 GPM                 |         |         |                  |                       |                        |                 |                 |                  |
| <b>Static Water Level:</b> 10 ft         |         |         |                  |                       |                        |                 |                 |                  |
| <b>Flow Rate:</b>                        |         |         |                  |                       |                        |                 |                 |                  |
| <b>Clear/Cloudy:</b> CLOUDY              |         |         |                  |                       |                        |                 |                 |                  |
| <b>Specific Capacity:</b>                |         |         |                  |                       |                        |                 |                 |                  |
| <b>Final Well Status:</b> Water Supply   |         |         |                  |                       |                        |                 |                 |                  |
| <b>Construction Method:</b> Cable Tool   |         |         |                  |                       |                        |                 |                 |                  |
| <b>Flowing (y/n):</b> N                  |         |         |                  |                       |                        |                 |                 |                  |
| <b>Elevation (m):</b>                    |         |         |                  |                       |                        |                 |                 |                  |
| <b>Elevation Reliability:</b>            |         |         |                  |                       |                        |                 |                 |                  |
| <b>Depth to Bedrock:</b> 49              |         |         |                  |                       |                        |                 |                 |                  |
| <b>Overburden/Bedrock:</b> Bedrock       |         |         |                  |                       |                        |                 |                 |                  |
| <b>Water Type:</b> FRESH                 |         |         |                  |                       |                        |                 |                 |                  |
| <b>Casing Material:</b> OPEN HOLE, STEEL |         |         |                  |                       |                        |                 |                 |                  |
|                                          |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u> |                  |
|                                          |         |         | 12 ft            | 12 ft                 |                        |                 | PREVIOUSLY DUG  |                  |
|                                          |         |         | 36 ft            | 48 ft                 | BROWN                  |                 | SILT, SAND      |                  |
|                                          |         |         | 1 ft             | 49 ft                 | BROWN                  |                 | SAND, GRAVEL    |                  |
|                                          |         |         | 5 ft             | 54 ft                 | BROWN                  |                 | LIMESTONE       |                  |
|                                          |         |         | 21 ft            | 75 ft                 | BLUE                   |                 | LIMESTONE       |                  |



Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Company | Address | Well Id          | Lot                       | Concession             | Concession Name | County          | Municipality     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|---------------------------|------------------------|-----------------|-----------------|------------------|
| n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         | lot 12  | 5720177          | 012                       |                        |                 | SIMCOE          | ORILLIA TOWNSHIP |
| <div>Easting Nad83:<br/>Northing Nad83:<br/>Zone: 17<br/>Utm Reliability: unknown UTM<br/>Construction Date: 8/20/1985<br/>Primary Water Use: Commerical<br/>Secondary Water Use:<br/>Well Depth: 49 ft<br/>Pump Rate: 4 GPM<br/>Static Water Level: 10 ft<br/>Flow Rate:<br/>Clear/Cloudy: CLEAR<br/>Specific Capacity:<br/>Final Well Status: Water Supply<br/>Construction Method: Cable Tool<br/>Flowing (y/n): N<br/>Elevation (m):<br/>Elevation Reliability:<br/>Depth to Bedrock:<br/>Overburden/Bedrock: Overburden<br/>Water Type: FRESH<br/>Casing Material: STEEL</div> |         |         |                  |                           |                        |                 |                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | <u>Thickness</u> | <u>Original<br/>Depth</u> | <u>Material Colour</u> |                 | <u>Material</u> |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 4 ft             | 4 ft                      | BROWN                  |                 | SAND, STONES    |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 42 ft            | 46 ft                     | GREY                   |                 | CLAY, THICK     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 3 ft             | 49 ft                     | GREY                   |                 | SAND, GRAVEL    |                  |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Company | Address      | Well Id          | Lot                   | Concession             | Concession Name | County             | Municipality     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------|------------------|-----------------------|------------------------|-----------------|--------------------|------------------|
| n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         | lot 11 con 9 | 5722507          | 011                   | 09                     |                 | SIMCOE             | ORILLIA TOWNSHIP |
| <div><div><div>Easting Nad83:</div><div>Northing Nad83:</div><div>Zone: 17</div><div>Utm Reliability: unknown UTM</div><div>Construction Date: 8/8/1987</div><div>Primary Water Use: Domestic</div><div>Secondary Water Use:</div><div>Well Depth: 88 ft</div><div>Pump Rate: 20 GPM</div><div>Static Water Level: 10 ft</div><div>Flow Rate:</div><div>Clear/Cloudy: CLEAR</div><div>Specific Capacity:</div><div>Final Well Status: Water Supply</div><div>Construction Method: Cable Tool</div><div>Flowing (y/n): N</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock: 40</div><div>Overburden/Bedrock: Bedrock</div><div>Water Type: FRESH</div><div>Casing Material: STEEL, OPEN HOLE</div></div></div> |         |              |                  |                       |                        |                 |                    |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u>    |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | 10 ft            | 10 ft                 | BROWN                  |                 | CLAY               |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | 10 ft            | 20 ft                 | BROWN                  |                 | SAND               |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | 3 ft             | 23 ft                 |                        |                 | BOULDERS           |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | 17 ft            | 40 ft                 | BROWN                  |                 | CLAY               |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | 4 ft             | 44 ft                 | BROWN                  |                 | LIMESTONE, STONES  |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | 31 ft            | 75 ft                 | BROWN                  |                 | LIMESTONE, LAYERED |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |              | 13 ft            | 88 ft                 | RED                    |                 | LIMESTONE          |                  |

Water Well Information System

| Map Key                                  | Company | Address | Well Id          | Lot                   | Concession             | Concession Name | County                  | Municipality     |
|------------------------------------------|---------|---------|------------------|-----------------------|------------------------|-----------------|-------------------------|------------------|
| n/a                                      |         | lot 11  | 5733466          | 011                   |                        | SD              | SIMCOE                  | ORILLIA TOWNSHIP |
| <b>Easting Nad83:</b>                    |         |         |                  |                       |                        |                 |                         |                  |
| <b>Northing Nad83:</b>                   |         |         |                  |                       |                        |                 |                         |                  |
| <b>Zone:</b> 17                          |         |         |                  |                       |                        |                 |                         |                  |
| <b>Utm Reliability:</b> unknown UTM      |         |         |                  |                       |                        |                 |                         |                  |
| <b>Construction Date:</b> 1/5/1998       |         |         |                  |                       |                        |                 |                         |                  |
| <b>Primary Water Use:</b> Domestic       |         |         |                  |                       |                        |                 |                         |                  |
| <b>Secondary Water Use:</b>              |         |         |                  |                       |                        |                 |                         |                  |
| <b>Well Depth:</b> 220 ft                |         |         |                  |                       |                        |                 |                         |                  |
| <b>Pump Rate:</b> 5 GPM                  |         |         |                  |                       |                        |                 |                         |                  |
| <b>Static Water Level:</b> 205 ft        |         |         |                  |                       |                        |                 |                         |                  |
| <b>Flow Rate:</b>                        |         |         |                  |                       |                        |                 |                         |                  |
| <b>Clear/Cloudy:</b> CLEAR               |         |         |                  |                       |                        |                 |                         |                  |
| <b>Specific Capacity:</b>                |         |         |                  |                       |                        |                 |                         |                  |
| <b>Final Well Status:</b> Water Supply   |         |         |                  |                       |                        |                 |                         |                  |
| <b>Construction Method:</b> Cable Tool   |         |         |                  |                       |                        |                 |                         |                  |
| <b>Flowing (y/n):</b> N                  |         |         |                  |                       |                        |                 |                         |                  |
| <b>Elevation (m):</b>                    |         |         |                  |                       |                        |                 |                         |                  |
| <b>Elevation Reliability:</b>            |         |         |                  |                       |                        |                 |                         |                  |
| <b>Depth to Bedrock:</b> 188             |         |         |                  |                       |                        |                 |                         |                  |
| <b>Overburden/Bedrock:</b> Bedrock       |         |         |                  |                       |                        |                 |                         |                  |
| <b>Water Type:</b> MINERIAL              |         |         |                  |                       |                        |                 |                         |                  |
| <b>Casing Material:</b> STEEL, OPEN HOLE |         |         |                  |                       |                        |                 |                         |                  |
|                                          |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u>         |                  |
|                                          |         |         | 90 ft            | 90 ft                 |                        |                 | CLAY, HARDPAN, BOULDERS |                  |
|                                          |         |         | 50 ft            | 140 ft                |                        |                 | GRAVEL, CLAY, SANDY     |                  |
|                                          |         |         | 48 ft            | 188 ft                |                        |                 | HARDPAN, CLAY, BOULDERS |                  |
|                                          |         |         | 32 ft            | 220 ft                |                        |                 | LIMESTONE               |                  |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Company | Address | Well Id          | Lot                   | Concession             | Concession Name | County          | Municipality |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|-----------------|-----------------|--------------|
| n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         | lot 12  | 5734234          | 012                   |                        |                 | SIMCOE          | ORILLIA CITY |
| <div><div>Easting Nad83:</div><div>Northing Nad83:</div><div>Zone: 17</div><div>Utm Reliability: unknown UTM</div><div>Construction Date: 6/28/1999</div><div>Primary Water Use: Domestic</div><div>Secondary Water Use:</div><div>Well Depth: 62 ft</div><div>Pump Rate: 4 GPM</div><div>Static Water Level: 8 ft</div><div>Flow Rate:</div><div>Clear/Cloudy: CLEAR</div><div>Specific Capacity:</div><div>Final Well Status: Water Supply</div><div>Construction Method: Air Percussion</div><div>Flowing (y/n): N</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock: 35</div><div>Overburden/Bedrock: Bedrock</div><div>Water Type: FRESH</div><div>Casing Material: STEEL, OPEN HOLE</div></div> |         |         |                  |                       |                        |                 |                 |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u> |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |         | 6 ft             | 6 ft                  | BROWN                  |                 | CLAY, STONEY    |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |         | 24 ft            | 30 ft                 | GREY                   |                 | HARDPAN, STONEY |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |         | 5 ft             | 35 ft                 | GREY                   |                 | CLAY, GRAVEL    |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |         |         | 27 ft            | 62 ft                 | GREY                   |                 | LIMESTONE, ROCK |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Company | Address | Well Id          | Lot                   | Concession             | Concession Name | County              | Municipality     |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|-----------------|---------------------|------------------|
| n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         | lot 11  | 5734771          | 011                   |                        | ND              | SIMCOE              | ORILLIA TOWNSHIP |
| <div><div><div>Easting Nad83:</div><div>Northing Nad83:</div><div>Zone: 17</div><div>Utm Reliability: unknown UTM</div><div>Construction Date: 6/16/1999</div><div>Primary Water Use: Domestic</div><div>Secondary Water Use:</div><div>Well Depth: 255 ft</div><div>Pump Rate:</div><div>Static Water Level: 5 ft</div><div>Flow Rate:</div><div>Clear/Cloudy: CLOUDY</div><div>Specific Capacity:</div><div>Final Well Status: Water Supply</div><div>Construction Method: Rotary (Air)</div><div>Flowing (y/n): N</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock: 19</div><div>Overburden/Bedrock: Bedrock</div><div>Water Type: FRESH</div><div>Casing Material: STEEL</div></div></div> |         |         |                  |                       |                        |                 |                     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u>     |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | 15 ft            | 15 ft                 | RED                    |                 | TOPSOIL, SAND, SOFT |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | 4 ft             | 19 ft                 | GREY                   |                 | SAND                |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | 51 ft            | 70 ft                 | GREY                   |                 | GRANITE             |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | 17 ft            | 87 ft                 | RED                    |                 | GRANITE             |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | 33 ft            | 120 ft                | BLACK                  |                 | GRANITE             |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         | 135 ft           | 255 ft                | GREY                   |                 | GRANITE             |                  |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Company | Address | Well Id          | Lot                   | Concession             | Concession Name | County                       | Municipality     |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|-----------------|------------------------------|------------------|
| n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         | lot 12  | 5735051          | 012                   |                        | ND              | SIMCOE                       | ORILLIA TOWNSHIP |
| <div><div><div>Easting Nad83:</div><div>Northing Nad83:</div><div>Zone: 17</div><div>Utm Reliability: unknown UTM</div><div>Construction Date: 10/27/1999</div><div>Primary Water Use: Domestic</div><div>Secondary Water Use:</div><div>Well Depth: 253 ft</div><div>Pump Rate: 8 GPM</div><div>Static Water Level: 6 ft</div><div>Flow Rate:</div><div>Clear/Cloudy: CLEAR</div><div>Specific Capacity:</div><div>Final Well Status: Water Supply</div><div>Construction Method: Air Percussion</div><div>Flowing (y/n): N</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock: 14</div><div>Overburden/Bedrock: Bedrock</div><div>Water Type: FRESH</div><div>Casing Material: STEEL</div></div></div> |         |         |                  |                       |                        |                 |                              |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u>              |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 4 ft             | 4 ft                  | BROWN                  |                 | TOPSOIL, SAND, WATER-BEARING |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 3 ft             | 7 ft                  | BROWN                  |                 | SAND, PACKED                 |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 7 ft             | 14 ft                 | GREY                   |                 | CLAY, PACKED, HARD           |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 118 ft           | 132 ft                | GREY                   |                 | GRANITE, HARD                |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 15 ft            | 147 ft                | RED                    |                 | GRANITE, HARD                |                  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |         |         | 106 ft           | 253 ft                | GREY                   |                 | GRANITE, HARD                |                  |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Company | Address | Well Id          | Lot                   | Concession             | Concession Name | County               | Municipality |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|------------------|-----------------------|------------------------|-----------------|----------------------|--------------|
| n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         | lot 12  | 5735426          | 012                   |                        |                 | SIMCOE               | ORO TOWNSHIP |
| <div><div>Easting Nad83:</div><div>Northing Nad83:</div><div>Zone: 17</div><div>Utm Reliability: unknown UTM</div><div>Construction Date: 8/22/2000</div><div>Primary Water Use: Domestic</div><div>Secondary Water Use:</div><div>Well Depth: 122 ft</div><div>Pump Rate: 15 GPM</div><div>Static Water Level: 18 ft</div><div>Flow Rate:</div><div>Clear/Cloudy: CLEAR</div><div>Specific Capacity:</div><div>Final Well Status: Water Supply</div><div>Construction Method: Rotary (Convent.)</div><div>Flowing (y/n): N</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock:</div><div>Overburden/Bedrock: Overburden</div><div>Water Type: FRESH</div><div>Casing Material: STEEL</div></div> |         |         |                  |                       |                        |                 |                      |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | <u>Thickness</u> | <u>Original Depth</u> | <u>Material Colour</u> |                 | <u>Material</u>      |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 2 ft             | 2 ft                  | BROWN                  |                 | FILL                 |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 6 ft             | 8 ft                  | BROWN                  |                 | SAND, GRAVEL         |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 27 ft            | 35 ft                 | GREY                   |                 | CLAY, GRAVEL, STONES |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 60 ft            | 95 ft                 | GREY                   |                 | CLAY, GRAVEL, HARD   |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 22 ft            | 117 ft                | GREY                   |                 | CLAY, GRAVEL         |              |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |         |         | 5 ft             | 122 ft                | BROWN                  |                 | SAND, WATER-BEARING  |              |

Water Well Information System

| Map Key                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Company | Address | Well Id | Lot | Concession | Concession Name | County | Municipality     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|-----|------------|-----------------|--------|------------------|
| n/a                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |         | lot 12  | 5735586 | 012 |            | ND              | SIMCOE | ORILLIA TOWNSHIP |
| <div><div><div>Easting Nad83:</div><div>Northing Nad83:</div><div>Zone: 17</div><div>Utm Reliability: unknown UTM</div><div>Construction Date: 5/31/2000</div><div>Primary Water Use: Domestic</div><div>Secondary Water Use: Livestock</div><div>Well Depth: 57 ft</div><div>Pump Rate: 10 GPM</div><div>Static Water Level: 45 ft</div><div>Flow Rate:</div><div>Clear/Cloudy: CLEAR</div><div>Specific Capacity:</div><div>Final Well Status: Water Supply</div><div>Construction Method: Cable Tool</div><div>Flowing (y/n): N</div><div>Elevation (m):</div><div>Elevation Reliability:</div><div>Depth to Bedrock: 48</div><div>Overburden/Bedrock: Bedrock</div><div>Water Type: FRESH</div><div>Casing Material: STEEL, OPEN HOLE</div></div><div><div><div>Thickness</div><div>Original Depth</div></div><div><div>48 ft</div><div>48 ft</div></div><div><div>9 ft</div><div>57 ft</div></div></div><div><div>Material Colour</div><div>Material</div></div><div><div></div><div>HARDPAN, CLAY,<br/>BOULDERS<br/>LIMESTONE</div></div></div> |         |         |         |     |            |                 |        |                  |



## Appendix: Ontario Database Descriptions

EcoLog Environmental Risk Information Services Ltd can search the following databases. The extent of historical information varies with each database and current information is determined by what is publicly available to EcoLog ERIS at the time of update. **Note:** Databases denoted with “\*” indicates that the database will no longer be updated. See the individual database descriptions for more information.

### Provincial Government Source Databases:

#### **Abandoned Aggregate Inventory** Up to Sept 2002

**AAGR**

The MAAP Program maintains a database of all abandoned pits and quarries. Please note that the database is only referenced by lot and concession and city/town location. The database provides information regarding the location, type, size, land use, status and general comments.

#### **Aggregate Inventory** Up to Jun 2011

**AGR**

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. Please note that the database is only referenced by lot/concession and city/town location. The database provides information regarding the registered owner/operator, location, status, licence type, and maximum tonnage.

#### **Abandoned Mines Information System** 1800-Jan 2012

**AMIS**

The Abandoned Mines Information System contains data on known abandoned and inactive mines located on both Crown and privately held lands. The information was provided by the Ministry of Northern Development and Mines (MNDM), with the following disclaimer: “the database provided has been compiled from various sources, and the Ministry of Northern Development and Mines makes no representation and takes no responsibility that such information is accurate, current or complete”. Reported information includes official mine name, status, background information, mine start/end date, primary commodity, mine features, hazards and remediation.

#### **Borehole** 1875-Aug 2011

**BORE**

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy, depth, elevation, year drilled, etc.

For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

#### **Certificates of Approval** 1985-Oct 30, 2011\*

**CA**

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

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

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

**Inventory of Coal Gasification Plants and Coal Tar Sites April 1987 and November 1988\*****COAL**

This inventory includes both the “Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987” and the “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.\*

**Compliance and Convictions 1989-Feb 2012****CONV**

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

**Certificates of Property Use 1994-Feb 2012****CPU**

This is a subset taken from Ontario’s Environmental Registry (EBR) database. It will include all CPU’s on the registry such as (EPA s. 168.6) - Certificate of Property Use.

**Drill Holes 1886-Oct 2011****DRL**

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

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

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren’t subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

**Environmental Registry 1994-Feb 2012****EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

**Environmental Compliance Approval Oct 31, 2011-Feb 2012****ECA**

On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. In the past, a business had to apply for multiple approvals (known as certificates of approval) for individual processes and pieces of equipment. Today, a business either registers itself, or applies for a single approval, depending on the types of activities it conducts. Businesses whose activities aren't subject to the EASR may apply for an ECA. A single ECA addresses all of a business's emissions, discharges and wastes. Separate approvals for air, noise and waste are no longer required. This database will also include Renewable Energy Approvals. For CofA's prior to Nov 1st, 2011, please refer to the CA database. For all Waste Disposal Sites please refer to the WDS database.

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

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

**TSSA Fuel Storage Tanks Current to Jun 2011****FST**

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

**Ontario Regulation 347 Waste Generators Summary 1986-Oct 2010****GEN**

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

**TSSA Historic Incidents 2006-June 2009****HINC**

This database will cover all incidences recorded by TSSA with their older system, before they moved to their new management system. TSSA's Fuels Safety Program administers the *Technical Standards & Safety Act* 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. We also work to protect the public, the environment and property from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from pipelines, diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

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

TSSA's Fuels Safety Program administers the *Technical Standards & Safety Act* 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires and explosions. This database will include spills and leaks from diesel, fuel oil, gasoline, natural gas, propane and hydrogen recorded by the TSSA.

**Landfill Inventory Management Ontario 2010****LIMO**

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

**Mineral Occurrences 1846-Nov 2011****MNR**

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

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

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

**Ontario Oil and Gas Wells 1800-Jun 2011****OOGW**

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, well cap date, licence no., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

**Ontario Inventory of PCB Storage Sites 1987-Oct 2004****OPCB**

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of PCB storage sites within the province. Ontario Regulation 11/82 (Waste Management - PCB) and Regulation 347 (Generator Waste Management) under the Ontario EPA requires the registration of inactive PCB storage equipment and/or disposal sites of PCB waste with the Ontario Ministry of Environment. This database contains information on: 1) waste quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

**Orders 1994-Feb 2012****ORD**

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all Orders on the registry such as (EPA s. 17) - Order for remedial work, (EPA s. 18) - Order for preventative measures, (EPA s. 43) - Order for removal of waste and restoration of site, (EPA s. 44) - Order for conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

**Pesticide Register 1988-Mar 2011****PES**

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

**TSSA Pipeline Incidents June 2009-Mar 2012****PINC**

TSSA's Fuels Safety Program administers the *Technical Standards & Safety Act* 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. This database will include spills, strike and leaks from recorded by the TSSA.

**Private and Retail Fuel Storage Tanks 1989-1996\*****PRT**

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

**Permit to Take Water 1994-Feb 2012****PTTW**

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

**Ontario Regulation 347 Waste Receivers Summary 1986-2008****REC**

Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data.

**Record of Site Condition 1997-Sept 2001, Oct 2004-Feb 2012****RSC**

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up. RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

**Ontario Spills 1988-2011****SPL**

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

**Wastewater Discharger Registration Database 1990-2010****SRDS**

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

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

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

**Waste Disposal Sites - MOE CA Inventory 1970-Feb 2012****WDS**

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

**Waste Disposal Sites - MOE 1991 Historical Approval Inventory Up to Oct 1990\*****WDSH**

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

**Water Well Information System 1955-2011****WWIS**

This database describes locations and characteristics of water wells found within Ontario in accordance with Regulation 903. It includes such information as coordinates, construction date, well depth, primary and secondary use, pump rate, static water level, well status, etc. Also included are detailed stratigraphy information, approximate depth to bedrock and the approximate depth to the water table.

**Federal Government Source Databases:****Diagram Identifier:****Environmental Effects Monitoring 1992-2007\*****EEM**

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

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

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

**Federal Convictions 1988-Jun 2007****FCON**

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

**Contaminated Sites on Federal Land June 2000-Jan 2012****FCS**

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

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

Fisheries & Oceans Canada maintains an inventory of all aboveground & underground fuel storage tanks located on Fisheries & Oceans property or controlled by DFO. Our inventory provides information on the site name, location, tank owner, tank operator, facility type, storage tank location, tank contents & capacity, and date of tank installation.

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

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

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

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

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

The Department of National Defence and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

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

The Department of National Defence and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

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

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

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

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for all previous Environment Canada spill datasets. NEES is composed of the historic datasets – or Trends – which dates from approximately 1974 to present. **NEES Trends** is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

**National PCB Inventory 1988-2008****NPCB**

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. All federal out-of-service PCB containing equipment and all PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites.

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

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

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

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

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

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

**Private Source Databases:****Anderson's Waste Disposal Sites 1860s-Present****ANDR**

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



**Automobile Wrecking & Supplies 2001-Jun 2010**

**AUWR**

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

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

**CHEM**

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

**ERIS Historical Searches 1999-Sept 2011**

**EHS**

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

**Canadian Mine Locations 1998-2009**

**MINE**

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

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

**OGW**

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

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

**PAP**

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

**Retail Fuel Storage Tanks 2000-Jun 2010**

**RST**

This database includes an inventory of retail fuel outlet locations (including marinas) that have on their property gasoline, oil, waste oil, natural gas and / or propane storage tanks. Information is provided on company name, location and type of business.

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

**SCT**

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

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

**TANK**

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. *Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.*



# **APPENDIX E**

## **Land Title Information**

CHAIN OF TITLE REPORT

Site # 4  
25 Kitchener Street, Orillia  
Part Lot 12, Lot 11 Con 4 South Orillia E of Railway & S of Hwy 12  
as In RO490136, RO315214 & NSO8098  
PIN 58568-0028(LT)

Chain 1

| INSTR. # | DOC. TYPE | REG. DATE  | PARTY FROM    | PARTY TO                                      |
|----------|-----------|------------|---------------|-----------------------------------------------|
|          | Patent    | 16 12 1841 | Crown         | James SHANNON                                 |
| 2018     | Deed      | 08 10 1885 | James Shannon | Frank KEAN                                    |
| 4649     | Deed      | 07 03 1896 | Frank Kean    | Martha KEAN                                   |
| NSO8098  | Deed      | 06 11 1909 | Martha Kean   | The Corporation of The Township<br>of Orillia |

THIS INDEX MAP SHOWS ALL  
 PROPERTIES EXISTING IN  
 BLOCK 58568 - SHEET 2  
 ON SEPTEMBER 01, 2007

SCALE



PROPERTY INDEX MAP  
 BLOCK 58568  
 CITY OF ORILLIA  
 TOWNSHIP OF  
 ORO-MEDONTE  
 COUNTY OF SIMCOE  
 (OFFICE 51)

## LEGEND

|                                    |            |
|------------------------------------|------------|
| FREEDHOLD PROPERTY - SOLID BARY    | —————      |
| LEASEHOLD PROPERTY BOUNDARY        | - - - - -  |
| LIMITED INTEREST PROPERTY BOUNDARY | · · · · ·  |
| FREEDHOLD PROPERTY NUMBER          | 0147       |
| LEASEHOLD PROPERTY NUMBER          | 0147       |
| LIMITED INTEREST PROPERTY NUMBER   | 0147       |
| TOWNSHIP FIDUCIARY                 | · · · · ·  |
| STREAMS, RIVERS                    | ~~~~~      |
| UNDERLYING FABRIC, EASEMENT        | - - - - -  |
| UTM GRID                           | · · · · ·  |
| ADJOINING MAP NUMBER               | BLOCK 3148 |

THE UNIQUE IDENTIFIER FOR ANY PROPERTY (E.G. 00218 - 0147) IS  
 COMPOSED OF THE FIVE BLOCK NUMBER (00218) AND THE FOUR DIGIT  
 NUMBER (0147) WHICH APPEARS IN EACH ACTIVATED PROPERTY

## NOTES

NORTH AMERICAN DATUM 1983  
 UNIVERSAL TRANSVERSE MERCATOR PROJECTION  
 ZONE 17 CENTRAL MERIDIAN 81W

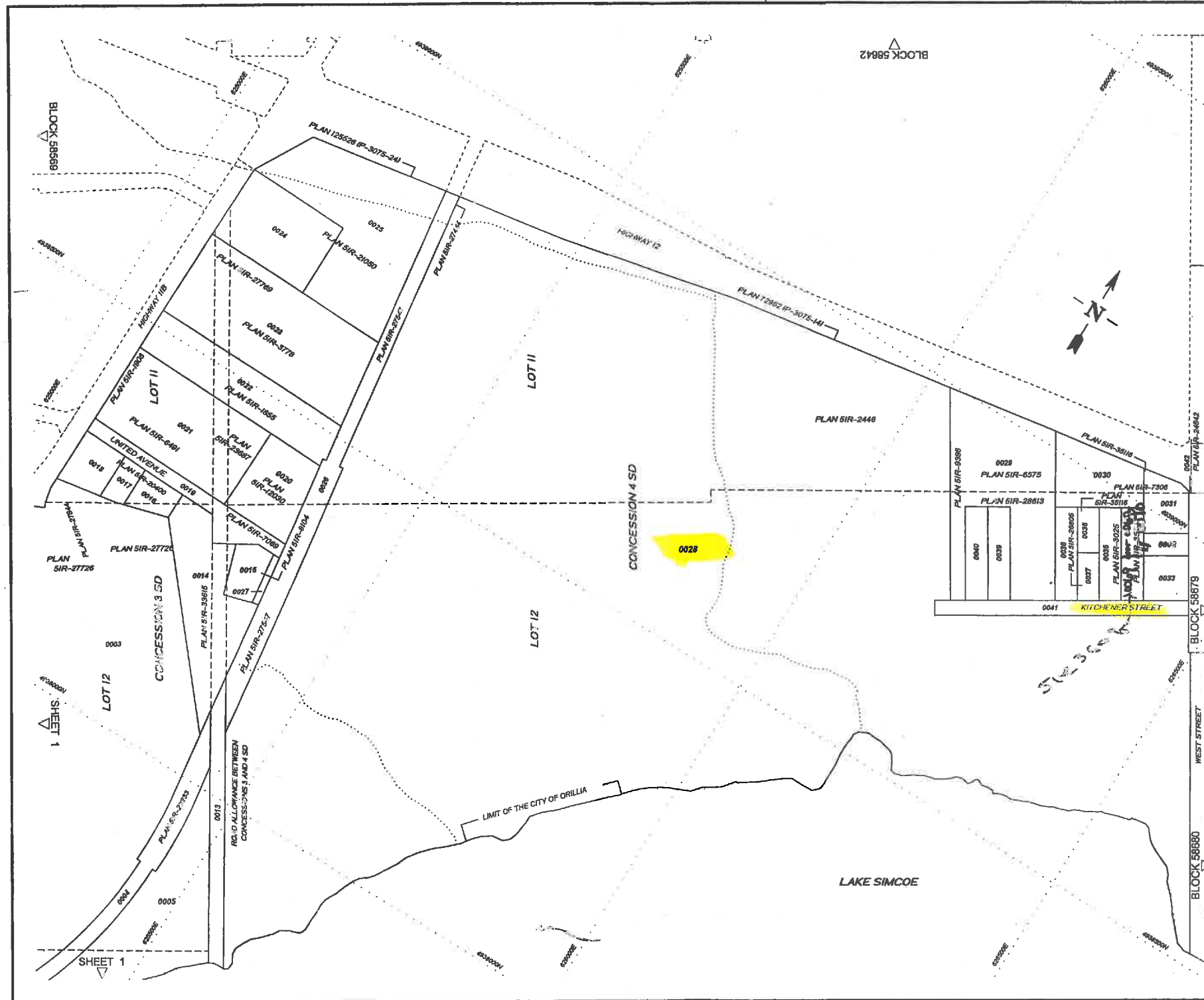
THIS IS NOT A PLAN  
 OF SURVEY

THIS MAP WAS COMPILED FROM PLANS AND  
 DOCUMENTS REGISTERED IN THE LAND REGISTRY  
 SYSTEM AND HAS BEEN PREPARED FOR PROPERTY  
 INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTY BOUNDARIES  
 SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS  
 ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT  
 REFERENCE PLANS ARE NOT ILLUSTRATED





# **APPENDIX F**

## **Site Photographs**



**Photograph 1:** View of the Site from Ben's Ditch looking east



**Photograph 2:** View of Ben's Ditch looking north





**Photograph 3:** View of the central fill area of the Site noting the newly constructed building



**Photograph 4:** View of the southern fill limits looking east





**Photograph 5:** View of the eastern side of the Site looking north



**Photograph 6:** View of the northern portion of the Site looking west from Kitchener Street.





**Photograph 7:** Industrial properties located on the north side of Kitchener Street



**Photograph 8:** Mid-Ontario Disposal transfer station yard looking northeast





**Photograph 9:** Snow Dump located north of the WasteWater Treatment Center (WWTC)



**Photograph 10:** Highway 12 located north of the Snow Dump looking north

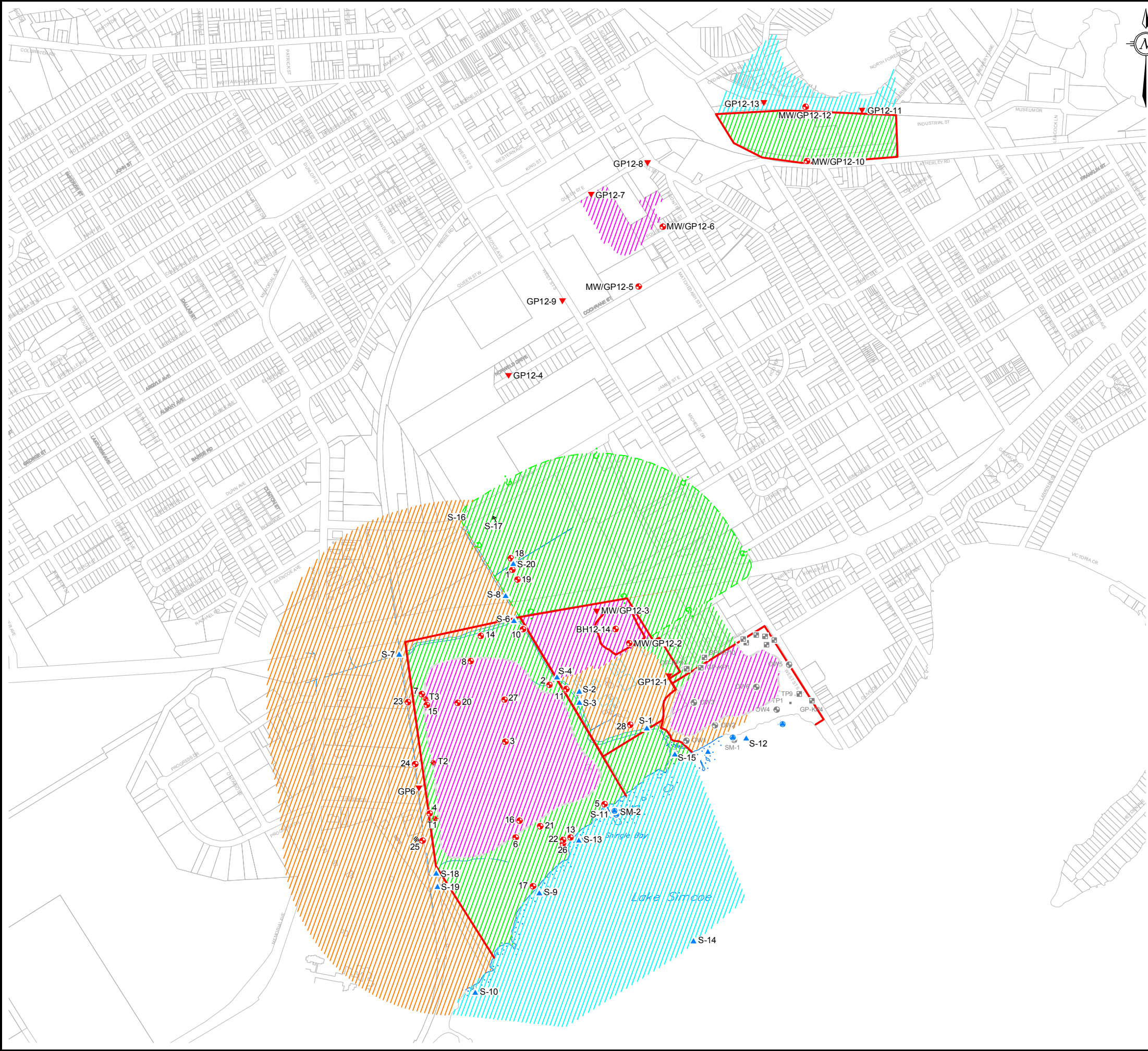


# **APPENDIX G**

## **D-4 Assessment Area Summary**



PLOT DATE: July 05, 2013  
FILENAME: T:\Projects\2011\11-1170-0079 (Orillia Historic Landfills)\-DB-1111700079DBD4SUMMARY.dwg  
[Figure G-1]



LEGEND

- Waste Site Limit
- Estimated Extent of Landfill
- D4 Assessment Required due to Possible Landfill Waste
- D4 Assessment Required due to Possible Landfill Gas
- D4 Assessment Required due to Possible Groundwater Impacts
- D4 Assessment Require 500 m Offset Area from Active Landfill
- Observation Well
- Gas Probe
- Groundwater level Monitoring Location
- Surface Water Quality Station / Seepage Monitor

NOTE

- DATUM IS UTM NAD83 Zone 17
- ALL MAPPED BOUNDARIES, LIMITS, AND INTERPOLATED FEATURES ARE APPROXIMATE
- REFER TO KWDS REPORT FOR D-4 REQUIRED 500 m OFFSET AREA
- SITE X4129 CAN BE DE-LISTED FROM MOE DATABASE



UTM NAD 83 ZONE 17  
CAD base Courtesy CITY OF ORILLIA; Digital 1:2000 OBM Mapping

|                                                                                                                  |        |               |
|------------------------------------------------------------------------------------------------------------------|--------|---------------|
| TITLE                                                                                                            |        |               |
| D4 ASSESSMENT AREA SUMMARY                                                                                       |        |               |
| HISTORICAL LANDFILL SITES<br>CITY OF ORILLIA                                                                     |        |               |
| <br>Barrie, Ontario, Canada | SCALE  | AS SHOWN      |
|                                                                                                                  | DATE   | 05 JUL 2013   |
| FILE No. 1111700079DBD4SUMMARY.dwg                                                                               | DESIGN |               |
|                                                                                                                  | CAD    | S BOWERMAN    |
| PROJECT No. 11-1170-0079                                                                                         | CHECK  | FIGURE<br>G-1 |
| REV.                                                                                                             | REVIEW |               |

At Golder Associates we strive to be the most respected global company providing consulting, design, and construction services in earth, environment, and related areas of energy. Employee owned since our formation in 1960, our focus, unique culture and operating environment offer opportunities and the freedom to excel, which attracts the leading specialists in our fields. Golder professionals take the time to build an understanding of client needs and of the specific environments in which they operate. We continue to expand our technical capabilities and have experienced steady growth with employees who operate from offices located throughout Africa, Asia, Australasia, Europe, North America, and South America.

|               |                   |
|---------------|-------------------|
| Africa        | + 27 11 254 4800  |
| Asia          | + 86 21 6258 5522 |
| Australasia   | + 61 3 8862 3500  |
| Europe        | + 356 21 42 30 20 |
| North America | + 1 800 275 3281  |
| South America | + 55 21 3095 9500 |

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