



July 2011

## FINAL REPORT

### PHASE I ENVIRONMENTAL SITE ASSESSMENT

# SIXTH LINE CORPORATION SIXTH LINE AND DUNDAS STREET EAST OAKVILLE, ONTARIO

**Submitted to:**

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REPORT



**Report Number:** 11-1186-0103 (3010)

**Distribution:**

2 Copies - Sixth Line Corporation  
2 Copies - Golder Associates Ltd.





## Executive Summary

Golder Associates Ltd. ("Golder") was retained by Arutip Engineering Ltd. on behalf of Sixth Line Corporation ("Sixth Line") to conduct a Phase I Environmental Site Assessment ("Phase I ESA") of an agricultural property located to the northeast of the intersection of Dundas Street East and Sixth Line in Oakville, Ontario. The property is legally identified as Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville, Regional Municipality of Halton (PIN Number 24929-0117 LT) and has a municipal address of 41 Dundas Street East (hereinafter referred to as the "Site"). At the time of Golder's Site reconnaissance visits, conducted on May 13 and June 3, 2011, the Site was owned by Sixth Line Corporation. The Site has an approximate total area of 93 acres (37 hectares) and consists mainly of agricultural fields with a gentle undulating topography. At the time of the Site visit, some areas of the existing agricultural fields were separated by lines or stands of mature bushes and/or trees, with post and wire fencing present along some of the property lines. An unpaved driveway existed in the south portion of the Site, off of Dundas Street East and provided access to a residential house and two wood sheds. A drainage swale, the West Morrison Creek, meandered through the southern portion of the Site, generally flowing in a southeast direction. The West Morrison Creek is reportedly a perennial creek and was observed to flow into a low-lying area of accumulated water located in the southwest corner of the Site.

The Phase I ESA was completed in accordance with *O.Reg. 153/04 Records of Site Condition*, as in force as of July 1, 2011 ("Phase I ESA Requirements") including, but not limited to a review of available current and historical information on the Site and surrounding properties, a Site reconnaissance, interviews, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 9.0 of this Report. The Phase I ESA was also completed in accordance with the Canadian Standards Association document Z768-01 '*Phase I – Environmental Site Assessments*' including assessment of designated substances that are not covered under the amended *O.Reg. 153/04*.

The following summarizes the findings of the Phase I ESA:

- During the Site reconnaissance, mounds of material were observed on the northwest and south portions of the Site. The material observed on the northwest portion of the Site consisted of soil, cement blocks, wood pieces, and asphalt (estimated volume of approximately 9 m<sup>3</sup>). The material observed in the south portion of the Site consisted of a mound covered with grass (estimated volume of approximately 10 m<sup>3</sup>) and was located northeast of the on-Site house. The source of the material in both areas was unknown. No further information and/or reports were available regarding the quantity or quality of this material. The unknown quality of the material observed on the northwest and south portion of the Site represents a potential environmental concern for the Site.
- Historical activities on- and off-Site (i.e., north and east of the Site) have consisted of agricultural operations since at least the late 1930's. Reportedly, from 1987 to 2010, herbicides were used from time to time on-Site to prevent weed growth. No information was available regarding pesticide and/or herbicide use on-Site prior to 1987. The properties located immediately north and east of the Site are inferred to be hydrogeologically up-gradient and cross-gradient of the Site; these properties consist of agricultural fields. The potential use of pesticides, herbicides and fertilizers on-Site and on the agricultural lands located immediately north and east of the Site represents a potential issue of environmental concern for the Site.



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## PHASE I ESA - SIXTH LINE AND DUNDAS STREET EAST, OAKVILLE, ON

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Based on the Ministry of the Environment (“MOE”) response, it appears that the Site was used for the spreading of Biosolids in 2003 and 2008, including the application of lime for soil conditioning. The application of lime to the compost may impact the soil pH which should be verified.

The Phase I ESA findings are based on acquired evidence of actual and/or potential environmental impact, and represent those environmental issues that may impact on the Site or operations contained within.

The areas of potential environmental concern identified in this Phase I ESA should be investigated in order to refine the overall conceptual site model for the Site. Further, they should be used to establish the scope of work for the Phase II ESA, which is required for this Site prior to submitting a Record of Site Condition for filing with the Ministry of the Environment.



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## 1.0 INTRODUCTION

Golder Associates Ltd. (“Golder”) was retained by Arutip Engineering Ltd on behalf of Sixth Line Corporation. (“Sixth Line”) to conduct a Phase I Environmental Site Assessment (“Phase I ESA”) of an agricultural property located to the northeast of the intersection of Dundas Street East and Sixth Line in Oakville, Ontario. The property is legally identified as Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville, Regional Municipality of Halton (PIN Number 24929-0117 LT) and has a municipal address of 41 Dundas Street East (hereinafter referred to as the "Site"). At the time of Golder’s Site reconnaissance visits, conducted on May 13 and June 3, 2011, the Site was owned by Sixth Line. The Site has an approximate total area of 93 acres (37 hectares) and consists mainly of agricultural fields with a gentle undulating topography. At the time of the Site visits, some areas of the existing agricultural fields were separated by lines or stands of mature bushes and/or trees, with post and wire fencing present along some of the property lines. A drainage swale, the West Morrison Creek, meandered through the southern portion of the Site, generally flowing in a southeast direction. The West Morrison Creek is reportedly a perennial creek and was observed to flow into a low-lying area of accumulated water located in the southwest corner of the Site.

An unpaved driveway existed in the south portion of the Site, off of Dundas Street East which provided access to a residential house and two wood sheds.

The on-Site house is a two-storey building constructed of brick with wood flooring. An addition appears to have been constructed off of the northwest portion of the original brick house. The house was observed to have a basement with a concrete floor; however, a full basement appeared to only exist under the addition, with a crawl space under the original house. The basement floor was observed to have a thin layer of water and a “musty” odour was noted in the basement.

Two sheds (constructed of wood) were located to the east of the house. Approximately half of the floor surface in the larger shed consisted of concrete, while the remaining floor surface consisted of bare ground. The floor surface of the small shed consisted of bare ground.

Contact information for the Site is provided as follows:

	<b>Address</b>	<b>Contact Name</b>
Site Owner : Sixth Line Corporation (herein after referred to as the “Site Representative”)	2500 Appleby Line, Suite 200, Burlington, Ontario L7L 0A2	Steve Malovic, Chief Operating Officer, Sixth Line Corporation.
Previous Site Owner: Putica family and Putica Holdings Inc. (herein after referred to as the “previous Site owner”)	3483 Sixth Line	Stan Putica

No other involved Parties were contacted during this Phase I ESA as 100% of the total Site area is owned by Sixth Line Corporation.

A Phase I ESA is a preliminary qualitative assessment of the environmental condition of a property, based on a review of current activities and historical information for the subject property and also a review of relevant and



readily available environmental information for the surrounding properties located in whole or in part within 250 metres of the Site (collectively referred to as “Phase I study area”).

The objectives of the Phase I ESA are:

- 1) To develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the phase one property.
- 2) To determine the need for a Phase II Environmental Site Assessment.
- 3) To provide a basis for carrying out any Phase II Environmental Site Assessment.
- 4) To provide adequate preliminary information about environmental conditions in the land or water on, in or under the Phase I property for the conduct of a risk assessment following completion of a Phase II Environmental Site Assessment.
- 5) To identify and report on evidence of actual and/or potential contamination on the property from current and historical activities at the property or from adjacent properties.

The Site location is shown on **Figure 1**; the Phase I Study area including the Surrounding Land Use is shown in **Figure 2**; and the Site Plan including Site features and on-site and off-Site identified areas of potential environmental concern are shown on **Figure 3**.

A copy of a plan of survey for the property is provided as **Appendix A**

## **2.0 SCOPE OF INVESTIGATION**

The Phase I ESA was completed in accordance with *O.Reg. 153/04 Records of Site Condition*, as in force on July 1, 2011 (“Phase I ESA Requirements”) including, but not limited to a review of available current and historical information on the Site and surrounding properties, Site reconnaissance, interviews, evaluation of readily available information, and reporting, subject to the limitations outlined in Section 9.0 of this Report. The Phase I ESA was also completed in accordance with the Canadian Standards Association document Z768-01 ‘*Phase I – Environmental Site Assessments*’ including assessment of designated substances that are not covered under the requirements of schedule D of *O.Reg. 153/04*, as amended by *O.Reg. 511/09*.

Golder understands that Sixth Line is carrying out this work in support of the planned redevelopment of the Site which will primarily consist of a residential development with municipal services located within associated internal roads, a stormwater management pond located along the south-central portion of the Site, and integrated neighbourhood commercial areas. However, the change from the former agricultural use to the proposed residential use does not constitute a change to a more sensitive land use requiring a Record of Site Condition (“RSC”) under *O.Reg. 153/09*. Municipal approvals required for the proposed redevelopment may require a RSC be filed with the Ontario Ministry of the Environment (“MOE”) pursuant to *O.Reg. 153/04 – Records of Site Condition – Part XV.1 of the Act*, made under the *Environmental Protection Act*. Information in this Phase I ESA Report may be used to establish a baseline by identifying existing known and potential issues of environmental concern. While a Phase I ESA alone is not sufficient to satisfy the provisions for a RSC in most cases, it represents a critical first step in the RSC process. The results of this Phase I ESA provide the basis for





further intrusive environmental site assessment (Phase II ESA) to fully define the soil and groundwater conditions at the Site.

## **3.0 RECORDS REVIEW**

### **3.1 General**

#### **3.1.1 Phase I Study Area Determination**

For the purpose of this Phase I ESA, the Phase I Study Area is defined as the area within 250 m of the property with legal description of Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville, Regional Municipality of Halton ("Site") (PIN Number 24929-0117 LT) and properties located in whole or in part within 250 metres of the Site.

The Site location is shown on **Figure 1** and the Site and Surrounding Land Use is presented on **Figure 2**.

#### **3.1.2 First Developed Use Determination**

According to information obtained in an interview and documentation reviewed (discussed in the next sections of this report) the exact date of Site development is unknown. Golder reviewed a report entitled "Heritage Impact Assessment, Part of Lot 15, Concession 1 North, Geographic Township of Trafalgar, former County of Halton, now City of Oakville, Ontario", dated June 2011 that was prepared by Golder Associates Ltd. for the Sixth Line Corporation c/o Krpan Group ("Heritage Impact Assessment report"). The Heritage Impact Assessment report indicated that, based on the architectural style of the on-Site house, it appears to have been developed *circa* 1850; however, the exact construction date is unknown. The first aerial photograph available for the Site was dated 1934 and it shows the majority of the Site consisting of vacant, agricultural land and a structure which appears to be a residential house in the south area of the Site.

#### **3.1.3 Fire Insurance Plans**

Golder conducted a search of Fire Insurance Plans ("FIPs"), Property Underwriters' Reports ("PURs") and Property Underwriters' Plans ("PUPs") related to the legal address of Part Lot 15, Concession 1, North Dundas Street, Oakville, Ontario. Golder contracted Risk Management Services ("RMS") for this purpose. Golder received a response from RMS, dated May 17, 2011, a copy of which is provided in **Appendix B**. The response indicated that no records were found for the Site.

#### **3.1.4 Chain of Title**

##### **3.1.4.1 Land Title Information**

Records of Land Title information were provided by Sixth Line Corporation. The Land Title information provided by Sixth Line Corporation indicated that a title search was conducted on June 9, 2010 and certified by the Land Registrar in accordance with the Land Titles Act.



- The property description is given as Part of Lot 15, Concession 1 Trafalgar, North of Dundas Street, as in 657536, Oakville / Trafalgar;
- Owners' names given as at the time (i.e., June 9, 2010) included:
  - Putica, Mato with a share of 20%;
  - Putica, Antonia with a share of 20%;
  - Putica, Stojan with a share of 10%; and
  - Putica Holdings Inc. with a share of 50%.
- Date of conversion to land titles are given as:
  - February 28, 1967 to Howard R., Tarzwell;
  - March 2, 1970 to Thomas Hays; and
  - January 6, 1987 to the Putica family (various names).

Golder was also provided with three (3) Transfer / Deed of Land records, as follows:

- Transfer / Deed of Land record dated January 6, 1987, indicated that the land was transferred from various transferors (August Kulm, Heino Rebane and Eduard Taul) to the Putica family (Stojan Putica, Dragica Putica, Mato Putica and Antonia Putica).
- Two (2) Transfer / Deed of Land records dated August 30, 1999, indicated a change in percentage ownership of the land from Stojan Putica (Executor for the Estate of Gragica Putica, as to an undivided 30% interest) to Stojan Putica (as to an undivided 30 % interest) and from Stojan Putica (as to an undivided 50% interest) to Putica Holdings Inc.

A Transfer record dated July 30, 2010 indicated that the land was transferred by the Putica family (Putica Holdings Inc., Antonia Putica, Mato Putica and Stojan Putica) to Sixth Line Corporation.

Based on other historical information (i.e., aerial photographs and the Heritage Impact Assessment report), the land use appears to have been agricultural since the time of first development. Therefore, the time period of the title search is considered sufficient for this property.

### **3.1.4.2 Review of Street Directories**

City street directories were reviewed to develop an occupancy history for the Site and surrounding properties. A request for a review of city street directories was made to LGI Copy Service Canada Inc. ("LGI") to develop an occupancy history for the Site and surrounding properties. Street directories were reviewed for years 1967, 1973, 1978, 1981, 1986, 1991, 1996 and 2000. Representative years were chosen based on the frequency of the transfer of ownership of the property and/or the surrounding properties as well as to establish consistent intervals of time between directory listings.

The following summarizes the noteworthy findings of the street directory searches:



### **Site**

- The legal address of Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario, was not listed in any of the city directories.
- The municipal address of the residence on-Site was observed to be 41 Dundas Street East. Dundas Street East (1 – 200) was not listed in 1967 and 1973 and was listed as 'All Residential' in 1978, 1981, 1986, 1991, 1996 and 2000.

### **Surrounding Properties**

Present-day surrounding land uses south and west of the Site consist of a mixture of commercial and residential properties. Properties west of the Site (west side of Sixth Line) consist of small residences. The areas north and east of the Site consist mainly of rural properties consisting mainly of agricultural land. The Street Directories indicated that residential/commercial development on Dundas Street (East and West) was present from 1978 to present, as no listings are provided prior to 1978. Residential properties are listed on Andover Road, Sixth Line and Westfield Trail from 1996 and on Oak Walk Drive and Red Maple Lane from 2000.

- Sixth Line (2450 – 3000): No listings within radius in 1967, 1973, 1978, 1981, 1986 and 1991. Sixth Line is listed as 'All Residential' in 1996 and 2000. Companies listed at 2456 Sixth Line include Skytech Computer Consulting and Writedata Desktop Services Inc., both listed in 2000.
- Andover Road (All): Not listed in 1967, 1973, 1978, 1981, 1986 and 1991. Andover Road is listed as 'All Residential' in 1996 and 2000. Companies listed at 2547 Andover Road include Comprehensive Business Solutions in 1996 and 2000 and Scuba Solutions in 2000.
- Dundas Street East (1 – 200): Not listed in 1967 and 1973 and listed as 'All Residential' in 1978, 1981, 1986, 1991, 1996 and 2000. Additional listings on Dundas Street East include:
  - 9 Dundas Street East: Munn's United Church in 1981, 1986, 1991, 1996 and 2000 and Munn's Child Care Center in 1991, 1996 and 2000.
  - 55 Dundas Street East: Panda Productions in 1996.
  - 156 Dundas Street East: Hays Farm International in 1978, 1981, 1986, 1991, 1996 and 2000 and TACC Construction Co. in 2000.
  - 166 Dundas Street East: RMC Enterprises in 1986.
  - Marcs Quality Firewood is listed on Dundas Street East in 1986, 1991 and 2000; however, no municipal address is provided in the directory. Other listings on Dundas Street East with no municipal address include CSP Foods in 1986 and Mike's Texaco in 1991.
- Dundas Street West (1 – 200): Not listed in 1967 and 1973 and listed as 'All Residential' in 1978, 1986, 1991, 1996 and 2000. Additional listings on Dundas Street West include:
  - 5 Dundas Street West: West Side Lawnmower in 1978, 1981 and 1986.
  - 60 Dundas Street West: Oakville/Mississauga Golf Center in 1991.
  - 115 Dundas Street West: Hickory Dickory Decks in 1996 and 2000.



- Oak Walk Drive (All) is not listed in 1967, 1973, 1978, 1981, 1986, 1991 and 1996. Maxi & Co. and TD Bank are listed at 201 Oak Walk Drive in 2000.
- Oak Walk Boulevard (1 – 180) is not listed in 1967, 1973, 1978, 1981, 1986, 1991, 1996 and 2000.
- Red Maple Lane (All) is not listed in 1967, 1973, 1978, 1981, 1986, 1991 and 1996 and it is listed as 'All Residential' in 2000.
- Westfield Trail (All) is not listed in 1967, 1973, 1978, 1981, 1986 and 1991 and it is listed as 'All Residential' in 1996 and 2000.

The full City Directory listing is presented as **Appendix B** to this report.

### **3.1.5 Environmental Reports**

Golder was informed by the Site representative and the previous Site owner that, to their knowledge, no investigations have taken place at the Site; therefore, Golder was not provided with previous reports for review.

## **3.2 Environmental Source Information**

### **3.2.1 Ministry of Environment**

The Freedom of Information office of the Ministry of the Environment ("MOE") was contacted to determine if they have a file with respect to the Site. Specifically, the MOE was asked what information they have regarding historic spills, orders, investigations/prosecutions, complaints, and other environmental concerns (general correspondence, occurrence reports, abatements). A formal request for any environmental records or information was sent to the MOE on May 13, 2011.

Golder received a response from the MOE on July 21, 2011. The response indicated that after a thorough search of the Ministry's Halton Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to Golder's request. The response indicated that it was the MOE's decision to provide partial access to the information included in the response, "as corporate ownership information and land registry records have been removed as these are publicly available from Service Ontario and the local registry office, respectively, and the proponent has marked the drawings of the site as confidential and have not been released".

Based on Golder's review of the available information, the following is noteworthy:

- The response included copies of Schedule A and C of a Provisional Certificate of Approval ("C of A") No. 1087-5LXJYV, dated June 5, 2008. The C of A was issued for a site identified as No. K4513, (Fields 4730, 4731, 4732, 4733, 4734, and 4735), Lot 15, Concession 1, North of Dundas Street, Town of Oakville (northeast of Sixth Line and southeast of Burnhamthorpe Road East in the Town of Oakville). The Schedules indicated that the "Lessee" was Larry Blaney, the total area for the site was of 28.75 hectares (71.01 acres) and the total amount of Biosolids permitted to be applied was given as less than 4,588 m<sup>3</sup>.



- A Biosolids Utilization Site Inspection Report, dated July 9, 2008, for Lot 15, Concession 1, North of Dundas Street, Oakville Town, Regional Municipality of Halton, indicated that the site was owned by Argo (North Oakville) Ltd., 2173 Turnberry Road, Burlington, Ontario L7M 4P8, and operated by Larry Blaney at 1075 Burnhamthorpe Road West, Oakville, Ontario, L6M 4K9. The Organic Waste Management System is given as Terrapec Environmental Ltd. and the Biosolids Generator is given as The Regional Municipality of Halton.
- The response included correspondence (emails and letters) from the Region of Halton to the MOE, dated June and July 2008, in which the Region submitted an application for approval of a processed organic waste (biosolids) disposal sites M2656, K4513 and M2725 (Reference MOE C of A No. 1087-5LXJYV) of the Halton Region Biosolids Recycling Program and included “*E.coli* data for the liquid and cake material coming out of the Region’s Skyway and Mid-Halton plant” and an Application for Approval of Hauled Sewage (septage), Sewage Biosolids and Other Wastes, dated August 25, 2008 of the Regional Municipality of Halton.
- In addition, the response included tables entitled “Biosolids Laboratory Analyses, Regional Municipality of Halton Biosolids Recycling Program, Year 2007/2008” for various Waste Water Treatment Plants (“WWTPs”) including Skyway, SW Oakville, Mid-Halton, Georgetown and Acton. The tables provided results for various metal analyses, including Ammonia (NH<sub>3</sub>) – Nitrogen (N) to Metal Ratio, from May 2007 to April 2008.
- The response included Certificates of Laboratory Analyses dated May 2003 and December 2007 issued by Agri-Food Laboratories and University of Guelph Laboratory Services (“U of G Laboratory”). The U of G Laboratory is accredited under the Canadian Association for Laboratory Accreditation Inc. (“CALA”). The U of G Laboratory certificates indicate that twelve (12) soil samples were analysed for arsenic, cadmium, cobalt, chromium, copper, mercury, nickel, lead, selenium and zinc in 2003 and 2007. The results, for both years, showed no exceedances of metal parameters when compared against the generic site condition standards (“SCS”) for all property uses within 30 m of a water body in a potable groundwater condition, listed in Table 8 of Ontario Regulation 153/04 “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act”, April 25, 2011.
- The response included copies of Schedule A, C and D of a Provisional C of A No. A830036, dated June 27, 2003. The C of A was issued for a Site identified as No. RP4512, Lot 15, Concession 1, Halton Township, Oakville. The Schedules indicated that the “Owner” was Stan Putica and the “Lessee” was Fred Bremner, the total area for the site was of 29.25 hectares (72.25 acres) and the total amount of Biosolids permitted to be applied was given as 129.18 dry tonnes. A note on Schedule C indicated that “this organic soil conditioning site is approved to receive 8 dry tonnes of soil liming material from Redpath Sugar Refinery from the City of Toronto and subject to conditions attached in the Schedule”.
- The response included correspondence (letter) from Terrapec Environmental Ltd. (“Terrapec”) to the MOE, dated June 30, 2003, in which Terrapec submitted an application for a C of A for Site RP4512, Lot 15, Concession 1, Oakville for application of Biosolids from the Redpath Sugar Refinery (Lime). The response also included an Application for Approval of Hauled Sewage (septage), Sewage Biosolids and Other Wastes, dated August 27, 2003 from Terrapec for the application of calcium carbonate lime.



Based on the MOE's response, it appears that the Site was used for the spreading of Biosolids under provisional C of A's A830036 and 1087-5LXJYV, dated 2003 and 2008, respectively, including the application of lime for soil conditioning. The application of Biosolids to the Site may be considered a potential health and safety concern, and a potential issue of environmental concern related to metals. However, the provided analytical data indicates that the concentrations of metals were below the MOE Table 8 standards. On this basis, the application of Biosolids may remain a health and safety issue, but does not represent an issue of potential environmental concern. The application of lime may affect the soil pH.

### **3.2.2 Regional Municipality of Halton**

A request for information was made to the Regional Municipality of Halton ("Region") for records and information relating to any environmentally related concerns with the Site including any notices, charges, violations or records of any non-compliance events, complaints or spills regarding the Site. A formal request for any environmental records or information on the Site was sent to the Region on May 13, 2011.

Golder received a response from the Region dated May 20, 2011. The response indicated that the Region examined their Industrial Waste files and there was no record of any sanitary sewer discharge violations or spills to the Regional sanitary sewer system for the Site.

Golder received a second response from the Region dated July 14, 2011. The response indicated that Golder's freedom of information ("FOI") request to the Town of Oakville ("Town") was partially forwarded to Halton Region for processing. The response indicated that since the Region makes environmental records publicly available through various programs, Golder's request would not be processed through FOI. If Golder wished to pursue access to records, Regional staff was listed for further details.

### **3.2.3 Town of Oakville**

A request for information was made to the Town of Oakville ("Town") for records and information relating to any environmentally related concerns with the Site including any notices, charges, violations or records of any non-compliance events, complaints or spills regarding the Site. A formal request for any environmental records or information on the Site was sent to the Town on May 13, 2011.

Golder received a response from the Town dated May 18, 2011. The response indicated that the Town forwarded Golder's request to the Region as the Region may have responsive records within its custody and control. In addition, the Town indicated that they would continue to complete Golder's request for responsive records in the custody and control of the Town and decision regarding access would be forthcoming by June 15, 2011.

Golder received a second response from the Town dated July 4, 2011. The response included database printouts for the Site (identified as 41 Dundas Street East) which indicated that a By-Law Enforcement file was opened on June 25, 2003 regarding the "low lying area behind the playground of Munns Childcare Center which bordered onto a private property" and a private citizen asking if "anything can be done to treat the area". This area was described as swampy with cedar trees. Reportedly, actions that followed included an inspection of the Site and issuance of a letter requiring compliance by July 5, 2003. The last entry indicated that the water had



drained. The status of the investigation was closed on June 7, 2003. The database printouts do not clearly state the issue; but it appears to be related to standing water.

### **3.2.4 Conservation Halton**

A request for information was made to Conservation Halton (“Conservation”) for records and information relating to any environmentally related concerns with the Site including any notices, charges, violations or records of any non-compliance events, complaints or spills regarding the Site. A formal request for any environmental records or information on the Site was sent to the Conservation on May 13, 2011.

Golder received the request sent to the Conservation back on May 27, 2010; the returned envelope indicated that the Conservation’s address had changed. Golder re-sent a request to the Conservation on May 27, 2010.

Golder received a response from the Conservation dated June 17, 2011. The response indicated that the Site contains a tributary of the Sixteen Mile Creek and the hazard lands associated with that watercourse, including floodplain, wetlands and a valley feature. The Conservation’s regulation limit in this area is 15 metres from the limit of the greatest hazard associated with Sixteen Mile Creek and 120 metres from the limit of a wetland equal to or greater than 2 hectares (ha.) in size. As a result, a portion of the subject property is regulated pursuant to *O.Reg. 162/06*. Reportedly, to Conservation Halton’s knowledge and according to best information available, no violation notice, nor outstanding infractions or orders have been issued for the Site.

The response also indicated that the Site is included within the North Oakville Secondary Plan as well as the North Oakville Creeks Subwatershed Study. In addition, the response included two maps illustrating the approximate *O.Reg. 162/06* limit within the Site.

### **3.2.5 EcoLog ERIS**

Golder contracted the services of EcoLog Environmental Risk Information Services Ltd. (“EcoLog ERIS”) to conduct a search of their federal, provincial and private sector databases for information on the Site and surrounding area (i.e. 250 m around the Site). The complete EcoLog ERIS report, dated May 17, 2011, including a brief description of each of the databases searched for this Phase I ESA, is included in **Appendix B**. The following is a summary of the noteworthy findings as identified within the EcoLog ERIS report:

#### **SITE**

The Site is not listed in any of the EcoLog ERIS report databases.

#### **SURROUNDING PROPERTIES WITHIN 250 m FROM THE SITE**

The following information was provided related to surrounding properties:

#### ***Certificate of Approvals***

The EcoLog ERIS report listed two (2) Certificates of Approval (“C of As”), including:

- The Town of Oakville, for a C of A (Municipal Sewage) issued on July 13, 1999 on the east side of Sixth Line / Dundas Street, Oakville. The C of A status is listed as ‘approved’.



- Halton Regional Police, at 90 Dundas Street East, for a C of A (Air) issued on September 9, 2009. The C of A status is listed as 'approved'.

**ERIS Historical Searches**

The EcoLog ERIS report listed two (2) historical searches within a 250 m radius of the Site including: Dundas Street, Town of Oakville (2009) and Dundas Street West at Sixth Line, Oakville (2008).

**Ontario Regulation 347 Waste Generators Summary**

The EcoLog ERIS report listed Halton Regional Police Service (Waste Generator No.ON8592974), located at 95 Oakwalk Drive (approximately 50 m east of the Site, across Dundas Street) for the generation of pathological wastes as of January 2010.

**Record of Site Condition**

The EcoLog ERIS report listed Timsin Holding Corporation (Address: Part of Lot 16, Conc 1, North of Dundas Street, Oakville), located approximately 150 m west of the central portion of the Site, as having a Record of Site Condition ("RSC") submitted on February 7, 2006. No further information is provided regarding the RSC in the EcoLog ERIS report.

**Ontario Spills**

The EcoLog ERIS report listed three (3) spill occurrences within a 250 m radius of the Site. Noteworthy spill information is outlined below:

**Table 1: Spill Occurrences within 250 m radius of the Site**

Company	Address / Location relative to the Site	Date of Occurrence	Description
Terratec Environmental Ltd.	Farm field at the northeast corner of Sixth Line and Dundas Street (As per the EcoLog ERIS Site Diagram, the spill was located at the previously mentioned intersection)	October 7, 2003	227.5 L of liquid sewage spill to land and water due to equipment failure. Environmental impact on land and water was reported as 'possible'. Based on the MOE's response (Section 3.2.1), it appears that the Site was used for the spreading of Biosolids. The application of Biosolids to the Site may be considered a potential health and safety concern, and a potential issue of environmental concern related to metals. However, the provided analytical data indicated that the concentrations of metals were below the MOE Table 8 standards. On this basis, the application of Biosolids may remain a health and safety issue, but does not represent an issue of potential environmental concern.
Not provided	Sixth Line southbound from Highway 5 (immediately south of the Site)	June 24, 2003	Diesel fuel (no amount provided) spilled to the road. Environmental impact on land was not anticipated.





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Company	Address / Location relative to the Site	Date of Occurrence	Description
Town of Halton Hills	Halton Regional Police (approximately 50 m east of the Site)	July 28, 2009	Two (2) tonnes of diesel fuel spilled to land, due to an underground tank leak. Environmental impact on land was reported as 'confirmed'. The Halton Regional Police facility was observed to the east and downgradient from the Site; therefore, a historical diesel fuel spill at this location does not represent a potential environmental issue of concern for the Site.

**Water Well Information System**

The EcoLog ERIS report listed sixteen (16) water wells within a 250 m radius of the Site, including:

**Table 2: Water Wells within 250 m of the Site**

Primary Water Use	Approximate Location Relative to the Site	Year of Construction	Well Depth (ft)	Static Water Level (ft)	Depth to Bedrock (ft)
Abandoned - Quality	250 m south	1963	54	-	15
Domestic - Water Supply	250 m southwest	1960	68	19	39
Domestic - Water Supply	250 m southwest	1963	53	15	15
Abandoned - Other	225 m south	2003	-	-	-
Abandoned - Other	225 m southwest	2007	-	-	-
Domestic - Water Supply	110 m southwest	1965	37	4	5
Domestic - Water Supply	80 m southwest	1952	45	15	10
Domestic - Water Supply	30 m southwest	1978	38	10	7
Domestic - Water Supply	50 m southwest	1955	62	10	11
Abandoned - Other	80 m southwest	2009	-	4.98	-
Domestic - Water Supply	55 m southwest	1955	61	12	15
Domestic - Water Supply	Immediately southwest	1954	40	16	20
Abandoned - Other	20 m west	2009	-	-	-
Domestic - Water Supply	20 m west	1959	36	16	15
Domestic - Water Supply	40 m west	1959	46	18	4
Test Hole	20 m east	2007	16.4	-	-
Abandoned - Other	75 m east	2009	-	-	-
Domestic - Water Supply	40 m west	1970	45	12	11



The EcoLog ERIS Water Well Information System database indicated that soils in the area generally consist of layer of clay followed by shale. The clay layer was found at a depth of up to 30 feet in one well; although, the clay typically only extended to depths of up to 20 feet below grade. The Shale bedrock extended to depths of up to 68 feet (maximum drilled depth).

### 3.3 Physical Setting Sources

#### 3.3.1 Aerial Photographs

Golder reviewed aerial photographs for the years 1934, 1965, 1979 and 1988 obtained from EcoLog ERIS to help understand the history of the development of the Site and surrounding properties (within 250 m).

Golder selected aerial photographs based on availability, scale of the aerial photograph and date intervals appropriate to reported land use changes, in order to help develop an understanding of the history of the development of the Site and surrounding properties (within 250 m). The earliest date an aerial photograph was available for the Site was 1934. Based on historical information gathered as part of this Phase I ESA, there have been no land use changes for the Site and surrounding properties (mainly to the south of the Site) have recently undergone development. The information obtained from the aerial photographs is limited by the quality and scale of the available aerial photographs.

Information obtained from the aerial photographs review is summarized in the table below. Copies of the aerial photographs are presented in **Appendix C**.

Date	Scale	Site	Surrounding Property Direction
1934	1: 20,000	The majority of the Site appears to consist of vacant, possibly agricultural land. A structure is observed in the south portion of the Site, which appears to be a residence. A road runs off present-day Dundas Street East and connects to the residence. A feature, which appears to be a waterway, is observed on the southwest portion of the Site.	<p><b>North:</b> Vacant, possibly agricultural land is located immediately north of the Site. A house / farm property appears to be located further north of the Site.</p> <p><b>East:</b> Vacant, possibly agricultural land. A house / farm property appears to be located immediately east of the south side of the Site, north of present-day Dundas Street East.</p> <p><b>South:</b> A road way (present-day Dundas Street East) is located immediately south of the Site. Vacant, possibly agricultural land is located further south of the Site. Two (2) houses / farm properties are observed immediately south of Dundas Street East.</p> <p><b>West:</b> Structures, which appear to be residential properties are located immediately west of the south portion of the Site. A roadway (present-day Sixth Line) is located immediately west of the central and north portions of the Site. House / farm properties appear to be located west of Sixth Line, west of the south and central portion of the Site.</p>



<b>Date</b>	<b>Scale</b>	<b>Site</b>	<b>Surrounding Property Direction</b>
1965	1: 20,000	Same as in 1934, with the exception of a feature, which appears to be a pond, located in the southwest portion of the Site, west of the residence.	<b>North:</b> Same as in 1934. <b>East:</b> Same as in 1934. <b>South:</b> Similar to 1934, with the exception of a feature which appears to be a pond, located south of Dundas Street East. <b>West:</b> Similar to 1934, with the exception of various structures that appear to be houses located west of Sixth Line, west of the north portion of the Site.
1979	1: 25,000	Same as 1965.	<b>North:</b> Same as in 1965. <b>East:</b> Same as in 1965. <b>South:</b> Similar to 1965, with the exception of a cleared property with a large structure, located further southwest of the Site. <b>West:</b> Similar to 1965, with the exception of a developed property located further west of the Site, on the north side of Dundas Street East.
1988	1: 40,000	Same as 1979.	<b>North:</b> Same as in 1979. <b>East:</b> Same as in 1979. <b>South:</b> Same as in 1979. <b>West:</b> Same as in 1979.

Based on the aerial photograph review, the Site appears to have consisted of vacant, agricultural land with a residence on the south side (north of Dundas Street East) since at least 1934.

Dundas Street East and Sixth Line Road appear to have been developed prior to 1934 and residential / farm land development occurred along both streets since at least 1934.

The information presented within the aerial photographs appears to be consistent to information collected from the review of interviews conducted and information gathered during the Site visit.

### **3.3.2 Topography, Hydrology, Geology**

The following table outlines the results of the records review conducted to identify topographic, geologic and hydrogeological conditions at the Site. A topographic map showing the site area is contained in **Appendix E**. Also refer to Section 5 for additional information on Site features, as observed during the Site reconnaissance visit.



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<b>Topic</b>	<b>Conditions</b>	<b>Comment / Source</b>
<b>Subsurface Soils</b>	<p>Halton Till (Ontario – Erie lobe): predominantly silt to silty clay matrix, high in matrix carbonate content and clast poor.</p> <p>Golder conducted geotechnical work at the Site in July 2011. The results of this investigation indicated that subsurface conditions encountered at twenty-four (24) borehole locations advanced on-Site consisted of about 0.15 m to 0.5 m of surficial topsoil that was underlain by native silty clay till that extended to depths of approximately 1.0 m to 3.1 m below the existing ground surface. Beneath the silty clay till, reddish brown shale bedrock of the Queenston Formation was encountered that extended to depths of approximately 4.6 m to 10.3 m below the inferred top of bedrock where practical refusal to further auger penetration was encountered, or the boreholes were terminated.</p>	<p>Ontario Ministry of Northern Development and Mines, Ontario Geological Survey, Map 2556, "Quaternary Geology of Ontario, Southern Sheet", 1991 and Geotechnical report prepared by Golder Associates Ltd. (July 2011).</p>
<b>Type of Bedrock</b>	Red Shale of the Queenston Formation.	Based on Golder's previous experience in the area.
<b>Depth to Bedrock</b>	Depth to bedrock in the area ranges from about 5 to 39 feet.	EcoLog ERIS Water Well Information System database (Section 3.2.5)
<b>Depth to Groundwater</b>	Static water level at the Site ranges from 0.4 to 2.7 metres.	Geotechnical report prepared by Golder Associates Ltd. (July 2011).
<b>Slope of Site Ground Surface</b>	The Site is generally flat; however, there is a slope to the southwest in the southwest portion of the Site towards a low-lying area. The Site has a gentle undulating topography.	Visual observations.
<b>Inferred Near Surface Groundwater Flow</b>	Based on general topography, it is likely that groundwater flow is south-southeast towards Lake Ontario (located approximately 6.5 km southeast of the Site).	Energy, Mines and Resources Canada Topographic Map No. 30 M/5 - "Hamilton-Burlington", Edition 10, 1999
<b>Topography of Site and Surrounding Area</b>	The Site and surrounding areas are generally flat with a general gentle slope to the south, southwest.	Visual observations and Energy, Mines and Resources Canada Topographic Map No. 30 M/5 - "Hamilton-Burlington", Edition 10, 1999



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Topic	Conditions	Comment / Source
<b>Site Grade Relative to the Adjoining Properties</b>	The grade of the Site and surrounding area are generally consistent; with the exception of a small area immediately east of the Site which is at a higher grade than the Site.	Visual observations.

**3.3.3 Other Site Features**

Topic	Conditions	Comment / Source
<b>Presence of Fill Material on-site</b>	During the Site reconnaissance, mounds of material were observed on the northwest and south portions of the Site. The material observed on the northwest portion of the Site consisted of soil, cement blocks, wood pieces, and asphalt (estimated volume: 2 m wide x 15 m length x 0.3 m height = 9 m <sup>3</sup> ). The material observed in the south portion of the Site consisted of a mound covered with grass (approximately 10 m <sup>3</sup> ) and was located northeast of the on-Site house. The source of the material in both areas was unknown. No further information and/or reports were available regarding the quantity or quality of this material. The unknown quality of the material observed on the northwest and south portion of the Site represents a potential environmental concern for the Site.	Visual Observations, Site Representative and previous Site owner.
<b>Nearest Open Water Body or Area(s) of Natural Significance</b>	Golder conducted hydrogeological work at the Site in July 2011 which indicated that a drainage swale, the West Morrison Creek, meanders through the southern portion of the Site, generally flowing in a southeast direction. Reportedly, the West Morrison Creek is a perennial creek. Drainage on the Site is reported to be to two watersheds; the West Morrison Creek watershed comprising the southern portion of the Site and the East Morrison Creek (Main Tributary) watershed comprising the northern portion of the Site. The West Morrison Creek was observed to connect to a low-lying area, located on the southwest portion of the Site, west of the on-Site house.	Visual observations, Hydrogeological work conducted by Golder Associates Ltd. (July 2011) and Energy, Mines and Resources Canada Topographic Map No. 30 M/5 - "Hamilton-Burlington", Edition 10, 1999.



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Topic	Conditions	Comment / Source
	<p>The low-lying area appeared to be connected to a pond located south of Dundas Street East.</p> <p>Sixteen Mile Creek is located approximately 3 km west of the Site and Munn's Creek is located approximately 700 m southwest of the Site.</p>	
<p><b>Water Wells on Site (location, stratigraphy of the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling date, use)</b></p>	<p>One (1) hand-dug well is located on-Site, in the southern portion of the Site, north of the house. According to the previous Site owner, the water well is approximately 20 – 24 feet in depth; however, he was not aware of the construction date as the water well had been on-Site since prior to 1987, when he purchased the property. No further information was available regarding the water well. At the time of the Site visit (May 13, 2011) the water level in the water well was approximately 1 m below ground surface. Golder did not observe visual evidence of impact in the vicinity of the water well. Given that industrial activities have reportedly not taken place at the Site and that chemical storage does not appear to take place in the vicinity of the well; the presence of a water well on-Site is not considered to represent an issue of potential environmental concern for the Site. However, the water well should be properly decommissioned prior to construction activity on-Site.</p> <p>One (1) PVC pipe (approximately 1.5 inch in diameter and 2 meters high) was observed on the north side of the Site. The purpose of this pipe is unknown.</p> <p>Three (3) points identified as 'HW' (i.e., hand well) are identified in the Plan of Survey (Appendix A). The wells are shown to be located immediately north of Dundas Street in the south western portion of the Site. The wells were not observed during the Site reconnaissance visits.</p>	<p>Visual Observations, previous Site owner and Plan of Survey.</p>
<p><b>Water Wells on the Neighbouring Properties (location, stratigraphy of</b></p>	<p>One (1) monitoring well was observed on the property immediately east, on the south side of the Site. The well</p>	<p>Visual Observations and EcoLog ERIS report.</p>



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Topic	Conditions	Comment / Source
<p><b>the overburden, from ground surface to bedrock, depth to bedrock, depth to water table, drilling rate, use)</b></p>	<p>had a tag labelled as 'A054845'. The EcoLog ERIS report indicated that this water well was constructed in December 2007 and has a depth of 16.4 feet. Final well status is given as test hole. Golder did not observe visual evidence of impact in the vicinity of the water well. Given that industrial activities do not appear to take or have taken place at the neighbouring property and that chemical storage does not appear to take place in the vicinity of the well; the presence of a water well on the eastern neighbouring property is not considered to represent an issue of potential environmental concern for the Site.</p> <p>The EcoLog ERIS report listed sixteen (16) water wells within a 250 m radius of the Site, including the above mentioned water well. The wells are mainly located in the area west of the Site, along Sixth Line and south, southwest of the Site, south of Dundas Street. Two (2) wells are reportedly located on the property east of the Site, which includes the one (1) water well observed during the Site visit.</p> <p>The water wells, for which the EcoLog ERIS has information, were reportedly constructed between 1952 and 2009 and were advanced to depths ranging between 36 to 68 feet. The EcoLog ERIS report indicated that the majority of the water wells are domestic - water supply wells, although some are also listed as 'abandoned' and one is listed as a 'borehole'. The static water levels for these wells ranged from 4 to 19 feet.</p> <p>The depth to bedrock ranged from about 5 to 39 feet.</p>	
<p><b>Prominent Physical Features on-site or Surrounding Area (i.e. Rail lines, Hydro corridors etc.)</b></p>	<p>None observed or reported.</p>	<p>Visual observations.</p>



### 3.4 Site Operating Records

No records were available for review from Sixth Line Corporation, as no operations have taken place at the Site since *circa* 2010.

## 4.0 INTERVIEWS

Golder interviewed the following individuals during the completion of the Phase I ESA.

Name of Interviewee	Location of Interview	Justification for Interview	
		Connection to the Site	Years of Site Knowledge
Mr. Steve Malovic ("Site Representative")	Telephone interview conducted on May 18, 2011.	Chief Executive Officer, Sixth Line Corporation.	Approximately 2 years
Mr. Stan Putica ("previous Site owner")	Telephone interview conducted on June 7, 2011.	Previous owner of the Site (January 6, 1987 to July 30, 2010)	Approximately 23 years

Golder was not accompanied during the Site visit by Mr. Malovic and/or Mr. Putica. No other involved Parties were contacted during this Phase I ESA as the total Site area was owned by Sixth Line Corporation from July 2010 to present and by Mr. Putica from January 1987 to July 2010.

Information from this interview was compared to other information sources in order to assess the validity of the information from the interview. Information from the interview has been considered along with other information in the evaluation of findings. A record of the interview was prepared, and will be maintained in Golder's files. Noteworthy information provided by the interviewee has been summarized and incorporated into applicable sections of this report.

## 5.0 SITE RECONNAISSANCE

### 5.1 General Requirements

Ms. Valentina Ulloa of Golder's Environmental Services Division conducted a Site visit on May 13, 2011. A subsequent Site visit was conducted by Ms. Stephanie Apted of Golder's Environmental Services Division on June 3, 2011, in order to view the interior of the on-Site building. The duration of the Site visit on May 13, 2011 was approximately 4 hours and the duration of the Site visit on June 3, 2011 was approximately 1.5 hours. The Site visits were documented with photographs and additional notes. References are made to Site conditions as observed at the time of the Site visits. At the time of the Site visit on May 13, 2011 the weather conditions were partly sunny, and the temperature ranged from approximately 13 to 19°C; the Site visit included a walk-around of the Site and an inspection of the interior areas of the two on-Site sheds. At the time of the Site visit on June 3, 2011, the weather conditions were sunny, and the temperature was approximately 22°C; the Site visit included a walk-through of the interior areas of the on-Site house and a walk-around the residential area of the Site.





At the time of the Site reconnaissance visits, the majority of the Site surface consisted of agricultural fields and some areas of the existing agricultural fields were separated by lines or stands of mature bushes and/or trees, with post and wire fencing present along some of the property lines. An unpaved driveway existed in the south portion of the Site, off of Dundas Street East and provided access to a residential house and two wood sheds. A drainage swale, the West Morrison Creek, meandered through the southern portion of the Site, generally flowing in a southeast direction. The West Morrison Creek is reportedly a perennial creek and was observed to flow into a low-lying area of accumulated water located in the southwest corner of the Site. The south portion of the Site, in the vicinity of the house was grassed. Photographs of some of the features noted during the Site visit are attached in **Appendix D**.

The Site reconnaissance also included a cursory inspection of neighbouring properties from the Site and publicly accessible areas.

## **5.2 Specific Observations at Phase One Property**

The specific observations made during the Site visit are presented herein.

### **5.2.1 Phase One Property Details**

<b>Topic</b>	<b>Observations</b>	<b>Comment / Source</b>
<b>Site Area</b>	The approximate total area of the Site is 37 hectares (93 acres).	Site Representative.
<b>Number of Buildings on the Site</b>	Three (3) buildings including a residential house ("Site building") and two sheds (a large shed and small shed).	Visual observations and Site Representative.
<b>Approximate Floor Space of Buildings</b>	House: 100 square metres (sq.m.) Shed (large): 120 sq. m. Shed (small): 10 sq. m.	Visual observations and Plan of Survey.
<b>Approximate Percentage of Site Covered by Site Building(s)</b>	<1%	Visual observations.
<b>Approximate Percentage of Site Consisting of Landscaped/ Grassed/Bare Ground Areas</b>	99%	Visual observations.
<b>Approximate Percentage of Site Consisting of Paved or Other Sealed Surface Materials</b>	<1%	Visual observations.



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<b>Topic</b>	<b>Observations</b>	<b>Comment / Source</b>
<b>Number of Floors (include all levels, whether above or below ground)</b>	Three (3) levels were observed in the on-Site house: two (2) aboveground and one (1) belowground. One (1) level was observed in the two sheds.	Visual observations.
<b>Number of Levels Below Ground Level</b>	One (1) belowground level was observed in the on-Site house. The house was observed to have a basement with a concrete floor; however, a full basement appeared to only exist under an addition portion of the house, with a crawl space under the original house. The basement floor was observed to have a thin layer of water and a “musty” odour was noted in the basement.	Visual observations.
<b>Site Entrances/Exits</b>	Site entrances/exits include a gravel drive that enters the south portion of the Site via Dundas Street East and an entrance on the northwest portion of the Site.	Visual observations.
<b>Drains</b>	Drains observed on-Site consisted of sanitary drains from the house.	Visual observations.
<b>Pits, Sumps</b>	No pits or sumps were observed or reported on-Site. However, an underground storage structure (possible cistern) was noted in the mud room of the house. Further information of this structure is provided in Section 5.6.4.2.	Visual observations, Previous Site owner and Site Representative.
<b>Septic Tanks</b>	One septic tank is reportedly located on-Site, in the area south of the house. Further information is provided in Section 5.4.	Previous Site owner.
<b>Utility Lines</b>	A light pole is located northeast of the house. Private locates for geotechnical work performed by Golder at the Site indicated that private lines (suspected to be telephone, hydro and water) are located south of the house and a local line (suspected to be hydro)	Visual observations and Locates (conducted for geotechnical work performed by Golder at the Site).



<b>Topic</b>	<b>Observations</b>	<b>Comment / Source</b>
	connects from the house to the light pole. No other utility lines were reported for the Site. Note: the locates were checked from 20 m east of Sixth Line (east road edge) and 2 m north of Dundas Street East (north fence line).	
<b>Other</b>	Two pipes were located in the kitchen wall; one pipe lead into the basement and the other led outdoors. The historical use of these pipes is unknown; however, based on their location they are suspected to have been used for an oven/kitchen.	Visual observations.

## **5.2.2 Site Operations**

This section of the Report is based on observations of Site operations at the time of the Site reconnaissance. Where relevant, references to former Site operations are included.

### **5.2.2.1 Former Site Operations**

Former Site operations at the Site have mainly included agricultural operations. The former Site owner indicated that from 1987 to 2010, the property was used for the production of mainly corn and soy; wheat would be grown from time to time. Based on the aerial photograph review, earlier Site operations are thought to have mainly consisted of agricultural activities.

In addition, the previous Site owner indicated that the on-Site house has not been used as a residence since 1987. However, for a period of approximately five to six years (i.e., circa 1981 to 1987), a person would come to cut the grass in the south portion of the Site and this person would, from time to time, reside at the house and conduct oil changes to his car in the larger shed.

### **5.2.2.2 Current Site Operations**

At the time of Golder's Site reconnaissance visits, conducted on May 13 and June 3, 2011, no Site operations were observed at the Site. In addition, no current Site operations were reported.

## **5.3 Air Emissions**

No sources of air emissions were observed at the Site during the Site visit as no operations were taking place at the Site and the house was vacant.



The house was observed to have three chimney-like exhausts suspected to be related to general home heating. Electric baseboard heaters were observed in the living room of the house. Two pipes were observed in the kitchen area, one of which exhausted outdoors; the use of these pipes is unknown. A wood stove was observed in the basement of the house and a chimney-like structure was observed in the living room.

## **5.4 Water and Wastewater Discharges**

Water at the Site was reportedly previously used mainly for domestic-related activities. Reportedly, water supply to the on-Site house is one (1) hand dug water well, which was observed in the area northeast of the house. The previous Site owner indicated that the well was present when he purchased the property, in 1987; however, since the house was reportedly not permanently inhabited, the well was not used as a water source. Further information pertaining to on-Site water wells is provided in Section 3.3.3 of this Report.

The former Site owner indicated that a prior property owner mentioned the presence of a septic tank in the area south of the house. The septic tank was reportedly not checked by the previous Site owner (i.e., since at least 1987) and its condition is unknown. At the time of the Site visit, the reported septic tank's surface area was covered with grass. Given that there no industrial and/or commercial activities, that could involved the use and management of chemicals, were observed and/or reported for the Site, the presence of a septic system on-Site is not considered to represent an issue of potential environmental concern for the Site. However, the septic tank and associated structures (such as a tile bed) should be properly decommissioned prior to construction activity on-Site.

A culvert was observed in the western portion of the Site, from which the West Morrison Creek enters the Site and meanders throughout the south-western portion of the Site. The West Morrison Creek appeared to flow south towards the low-lying area of accumulated water, west of the house. The water flow appeared to continue south (below Dundas Street) to a water pond located south of Dundas Street. Hand dug irrigation channels were observed in the west area of the Site.

A hot water heater was observed in the basement of the house.

## **5.5 Hazardous and Non-Hazardous Waste**

The Site is currently not registered with the MOE as a generator of hazardous waste. The Site representative and previous Site owner indicated that, to their knowledge, the Site has not been registered as a hazardous waste generator.

Reportedly, general non-hazardous waste and recyclables generated on-Site would be collected by Halton Region. However, the Site representative indicated that the Site has not generated any type of waste since they purchased the property in July 2010.

Litter, such as plastic bottles and food containers were observed scattered throughout the Site, mainly along the perimeter areas of the Site.



## 5.6 Material and Chemical Storage, Handling and Management

At the time of the Site visit, the following materials were observed in outdoor areas of the Site:

- One unlabelled metal drum (approximately 200 L) was observed along the east side of the house; the metal drum was placed on a concrete surface. The contents of this drum are unknown. The previous Site owner was not aware of the contents of the drum; however, he mentioned that a person temporarily occupying the house and sheds on-Site would, from time to time, conduct oil changes. Based on this information, the drum is suspected to contain oil. Given that no evidence of leakage and or spills, such as staining of the concrete floor surface or stressed vegetation, was observed in the vicinity of the metal drum, the presence of the drum does not represent an issue of potential environmental concern for the Site. However, proper handling and disposal should be observed for off-Site removal of the metal drum.
- Styrofoam boards were observed in the central area of the Site, near trees located along a portion of the West Morrison Creek.
- Small amounts of general debris (plastic pails, plastic bottles, food packaging, etc.) were observed scattered throughout some areas of the Site, mainly on the western portion of the Site by Sixth Line and portions of the West Morrison Creek.
- Large rusted metal ducts (approximately 1 m wide and 2-3 m in length) were observed in the southwest area of the Site, in the vicinity of the West Morrison Creek.
- Metal sheet pieces were observed on the western area of the Site, by a neighbouring property (i.e., 4043/3051 Sixth Line property), on the grassed area north of the house and on the northwest area adjacent to the large shed.
- Wood material (such as chopped wood pieces) was stored outdoors on the area north of the residence.
- A mound of material was observed on the northwest portion of the Site (estimated volume: 2 m wide x 15 m length x 0.3 m height = 9 m<sup>3</sup>). The material consisted of soil, cement blocks, wood pieces, and asphalt. The source of the material is unknown. No further information and/or reports were available regarding the quantity or quality of this material. The unknown quality of the material mixed with asphalt represents a potential environmental concern for the Site.
- The property immediately east of the south side of the Site is at a slightly higher grade than the Site. Soil material mixed with rocks and general debris (such as plastic, paper cups, cloth material, etc.) was observed along the border of the Site and the residential property located immediately east of the Site (i.e., 87 Dundas Street East) (estimated volume: 2 m wide x 15 m length x 3 m height = 90 m<sup>3</sup>). The material appeared to consist mainly of organic material (soil) and as such does not represent an environmental concern for the Site.
- Material, such as bricks and pieces of concrete, was observed to be accumulated along a slope, on the southwest area of the Site (west of the residence, east of the swamp area). The origin of this material is unknown (estimated volume: 3 m wide x 10 m length x 2 m depth = 60 m<sup>3</sup>). The material will need to be properly managed (i.e., taken to appropriate recycling/landfill facility); however, the material does not represent an environmental concern for the Site.



- A small mound of gravel was observed adjacent to the small shed, located east of the residence (estimated volume: 4 m<sup>3</sup>).
- Insulation material was exposed along the east wall of the large shed.
- A small cargo trailer was stored outdoors, adjacent to the northeast area of the large shed. The cargo trailer contained tables, bicycle tires, cans of paints and miscellaneous items (e.g.; lamps and wood frames).
- Wood skids were observed outdoors, on the grassed area north of the large shed.

At the time of the Site visit, the following materials were observed to be stored indoor of the Site's buildings:

- Empty cardboard boxes, plastic containers (pails and recyclable boxes) with general non-hazardous waste (e.g., plastic wrap and paper), wood boards and tires were observed to be stored in the small shed, located east of the house.
- Small quantities of miscellaneous chemicals were observed on the concrete floor of the shed which included pails of paint, unlabelled plastic containers (approximately 20 L) and small containers (approximately 5 L) of oil.
- Miscellaneous items such as paint cans, lamps, wires, stereo, etc. were observed on shelves in the large shed. In addition miscellaneous items such as empty plastic pails, cardboard boxes, drywall panels, boxes with spray paint cans and bags of insulation material were observed along the perimeter of the large shed.
- Boxes containing clothing hangers and wooden drawers were observed within the northwest entrance to the house (i.e., mudroom).
- Miscellaneous items, such as plastic pails, cardboard boxes, beverage cans/bottles, a mattress and small quantity chemical containers (such as Raid, WD40 and dishwashing liquid) were observed in the kitchen of the house.
- Clothes hangers, wood drawers and a broken pedestal-type sink unit were observed on the second floor of the house.
- Shelves with miscellaneous paint cans were observed in the basement of the house.

### **5.6.1 Asbestos-Containing Materials (“ACMs”)**

Asbestos-Containing Materials (“ACMs”) can contain “unbound asbestos” (i.e., the asbestos fibres can be separated from the material with which it is associated), and ACMs may be found in boiler and pipe insulation. The term “bound-asbestos” refers to asbestos that is associated with a binding agent (e.g., tar or cement) and can be found in roofing tars, floor tiles and cured asbestos cement. Although the ACMs may be bound, asbestos in some materials (e.g., floor tiles) may be released through cutting, chipping or breaking.

Although regulations restricting the uses of ACMs have been developed since the mid-1970s, ACMs may be used in materials, such as roofing tars and sealants. As a result, buildings constructed prior to 1975 commonly



contain bound (e.g., roofing tars) and unbound (e.g., pipe insulation) ACMs in insulation and building materials, while only bound forms of asbestos may be found in buildings constructed after 1980.

The Site representative and previous Site owner were not aware of any asbestos survey conducted at the Site.

Potential non-friable ACMs observed at the house include vinyl floor which were observed in the floor areas at the entrance of the house, the kitchen and a washroom located on the second floor of the house.

Based on a review of aerial photographs (ranging from 1934 to 1988), the on-Site home appears to have been present since at least 1934; however, the exact age of the house is unknown. Based on the age of the home (as early as 1934), it is possible that ACMs may be present at the Site. The presence of potential ACMs is considered a potential health and safety concern for occupancy or demolition, but not considered an apparent potential issue of environmental concern. Identification should be conducted in advance of any contemplated building demolition.

### 5.6.2 Polychlorinated Biphenyl-Containing Materials and Equipment

The use of polychlorinated biphenyl (“PCB”) dielectric fluids in electrical equipment such as transformers, fluorescent lamp ballasts and capacitors occurred up to about 1980 prior to a ban on their use in new equipment. No equipment such as transformers, capacitors or fluorescent lights was observed on the Site during the Site reconnaissance visit.

### 5.6.3 Special Attention Items

Topic	Observations/Findings	Source / Comment
<b>Lead-Based Paints (“LBPs”)</b>	Although lead-based LBPs were banned from uses on exterior or interior surfaces of buildings, furniture, or household products in the 1970s, various commercial paints may contain lead in concentrations greater than 0.5 percent by weight (e.g. road paint). The Site Representative and previous Site owner were not aware if LBPs have been used on-Site. Peeling paint was observed in some interior areas of the house, including the ceilings of the kitchen and living rooms (first floor), and of bedrooms and washrooms (second floor). Peeling paint was also observed outdoors around window sills. Based on the age of the house (as early as 1934) it is possible that LBPs be present in the building materials. As well, due to the age of the house, lead may potentially be present in the piping. The potential presence of LBPs and lead piping on-Site is considered a potential health and safety concern for continued occupancy or demolition, but not considered an apparent potential issue of environmental concern. Identification should be conducted in advance of any contemplated building demolition.	Site observations / Site Representative



**PHASE I ESA - SIXTH LINE AND DUNDAS STREET EAST,  
OAKVILLE, ON**

Topic	Observations/Findings	Source / Comment
<b>Ozone-Depleting Substances (“ODSs”)</b>	Based on observations made during the Site visit, no ozone-depleting substance containing equipment is currently used on-Site. Ozone depleting solvents are not currently used on-Site and there is no record of their use historically.	Site observations / Site Representative
<b>Radon Gas</b>	Radon gas is a product of the natural decay series that begins with uranium. Radon is produced directly from radium, which can be commonly found in geological units such as black shale and/or granite. Radon gas can migrate through the ground and enter buildings through porous concrete or fractures. Radon tends to accumulate in poorly ventilated basements. In general, soils in the Oakville area are regarded as having a low radon gas generating potential. Radon gas is not anticipated to represent an issue of environmental concern for the Site.	Site observations / Site Representative
<b>Mould</b>	The Site Representative and previous Site owner were not aware of any mould issues on-Site. Evidence of water damage was observed in the northeast corner of the house’s kitchen, the mud room and in a bedroom on the second floor of the house. In addition mould was observed in one bedroom on the second floor of the house. It is noteworthy, that in order to further assess the potential presence of mould in the on-Site house, a hazardous materials survey would be required. The presence of mould in the house presents a possible human health concern, but it does not represent an environmental concern.	Site observations
<b>Pesticides and Herbicides</b>	No evidence of pesticide and/or herbicide use was observed at the Site, during the Site reconnaissance. The previous Site owner indicated that during the period he owned the property (i.e., from 1987 to 2010) herbicides would be used on-Site for removal of weeds in the agricultural fields. No records were available for review regarding type and/or amounts of pesticides used on-Site. No information was available regarding the use of pesticides and/or herbicides prior to 1987. The use of herbicides and potential historical use of pesticides on-Site represents a potential issue of environmental concern for the Site.	Site observations / Site Representative
<b>Mercury Containing Equipment</b>	No mercury containing equipment (i.e. thermostats, fluorescent light tubes) was observed during the Site visit.	Site observations / Site Representative
<b>Urea Formaldehyde Foam Insulation (UFFI)</b>	Urea Formaldehyde Foam Insulation (UFFI) was injected into exterior wooden wall cavities as a mixture of urea formaldehyde resin, an acidic foaming agent, and a propellant. The colourless formaldehyde gas is released during on site preparation of the insulation and during curing. UFFI was commonly	Site observations / Site Representative





<b>Topic</b>	<b>Observations/Findings</b>	<b>Source / Comment</b>
	used as an exterior insulation in existing homes in the 1970's but was most extensively used from 1975 to 1978. The use of UFFI in Canada was banned in December 1980. Insulation material (fibreglass batting) was exposed on the east wall of the large shed and was stored in plastic bags within the large shed. It is unknown when the material was brought on-Site. The presence of insulation material of unknown quality is considered a potential health and safety concern, but not considered an apparent potential issue of environmental concern. Identification should be conducted in advance of any contemplated building demolition.	
<b>Radioactive materials</b>	The presence of equipment that may contain radioactive isotopes was not noted during completion of the Site visit.	Site observations / Site Representative
<b>Presence of Stressed Vegetation</b>	No areas of stressed vegetation were noted.	Site observations

## 5.6.4 Storage Tanks

### 5.6.4.1 Aboveground Storage Tanks (AST)

No evidence of ASTs was observed during the Site visit and the Site Representative was not aware of any historic or current ASTs. Information provided by the previous Site owner was inconclusive regarding former AST's on-Site; to his knowledge, there may have been a heating oil AST in the house; however, he was not aware of the possible location and/or time period when the AST would have been present. However, the basement floor consisted of concrete with no apparent staining and, therefore, this should not be considered a significant environmental concern for the Site.

### 5.6.4.2 Underground Storage Tanks (UST)

No evidence of USTs, such as fill pipes and vent pipes, was observed during the Site visit. The Site Representative and previous Site owner indicated that no USTs are located on-Site. However, a pipe extended through the wood floor in the mud room at the entrance of the house. The pipe was sounded and appeared to extend approximately 1.5 metres below ground. Based on the sounding, the underground structure appeared to be empty and may be a cistern, which is common to the area.

## 5.6.5 Spills

A spill is broadly termed an event or release that may cause, or is likely to cause, adverse effects on human health or the natural environment. Spills may occur during the use, storage and/or transfer of such materials located on-Site, and may result in significant environmental impact if not managed appropriately.



No evidence of spills, such as stressed vegetation or ground surface staining was observed at the time of the Site visit. No evidence of discharges or upsets of chemicals were observed on-site, or reported by the Site Representative and the previous Site owner.

## **5.7 Surrounding Land Use**

During the Site visit, a visual reconnaissance of the outdoor operations of the Phase I Study Area, which may potentially impact the Site, was carried out from the subject Site and publicly accessible areas.

The surrounding properties have been developed for mainly residential and institutional occupancy, as detailed on **Figure 2**. The surrounding area is generally at grade with the Site with the exception of a small portion of the Site to the east which is at a higher grade than the Site.

### ***North (Inferred Up-gradient)***

The Site is bordered to the north by agricultural land. Residences are located further north of the Site along Sixth Line at 3389 and 3369 Sixth Line. The up-gradient location and proximity to the Site, the potential use of pesticides and herbicides on the agricultural land immediately north of the Site, represents a potential issue of environmental concern for the Site.

### ***East (Inferred Trans-gradient)***

The Site is bordered to the east by vacant, agricultural land. A residence is located immediately east of the Site (at 87 Dundas Street East). Although the property east of the Site is located at an inferred cross-gradient location to the Site, based on the distance from the Site (i.e., immediately adjacent), the potential use of pesticides and herbicides on the agricultural land immediately east of the Site, represents a potential issue of environmental concern for the Site.

### ***South (Inferred Down-gradient)***

The Site is bordered to the south by Dundas Street East, followed by Munn's Cemetery (southeast corner of Sixth Line and Dundas Street), a presentation centre for future townhouses (at 32 Dundas Street East), the Halton Regional Police Service #2 District Office (at 95 Oak Walk Drive) and vacant undeveloped land. No occupancies were identified that present obvious issues of environmental concern for the Site.

### ***West (Inferred Trans-gradient)***

Sixth Line is located immediately west of the central and north area of the Site. Residences (3043 and 3051 Sixth Line) and Munn's United Church (5 Dundas Street East) are located immediately west of the south portion of the Site, followed by Sixth Line. Residences (3042 to 3158 Sixth Line) are located further west of the Site, on the west side of Sixth Line. No occupancies were identified that present obvious issues of environmental concern for the Site.



## 6.0 REVIEW AND EVALUATION OF INFORMATION

### 6.1 Current and Past Uses of the Site

The Site appears to have been used for agricultural and residential purposes since at least 1934 (earliest aerial photograph). Agricultural land has occupied the majority of the Site property (mainly the central and northern portion of the Site) and a residential house has been present on the south portion of the property since at least 1934.

### 6.2 Potentially Contaminating Activity

Based on the information presented within the Phase I ESA Report the following represents a list and description of potentially contaminating activities identified on the Phase I ESA property (the “Site”). Golder has evaluated each of these activities to identify outstanding Areas of Potential or Known Environmental Concern, as outlined below:

<b>Potentially Contaminating Activities</b>	<b>Description of Activity</b>	<b>Status and Rationale</b>
<b>Material of Unknown Quality</b>	<b>On-Site Material</b> - During the Site reconnaissance visit, fill material mixed with asphalt was observed on the northwest corner of the Site. In addition a mound covered with grass, was observed in the area northeast of the house. No further information and/or reports were available regarding the quantity or quality of this fill material.	The unknown quality of the soil material mixed with asphalt and the fill mound near the house represent a potential environmental concern for the Site.
<b>Pesticide / Herbicide Use</b>	<b>On-site and Off-Site Pesticide / Herbicide Use</b> - Historical activities both on-Site and off-Site (i.e., north and east of the Site) have consisted of agricultural operations since at least the early 1930’s. Reportedly, since 1987, herbicides were used on-Site to prevent weed growth. The use of herbicides and potential historical use of pesticides and fertilizers on-Site represents a potential issue of environmental concern for the Site. The properties located north and east of the Site are inferred to be hydrogeologically up-gradient and cross-gradient of the Site; these properties consist of agricultural fields. Based on the up- and cross-gradient location and proximity to the Site, the potential use of pesticides, herbicides and fertilizers on the agricultural land immediately north and east of the Site represents a potential	Given the unknown nature and full extent of pesticide, herbicide and fertilizer use on-Site and neighbouring properties north and east of the Site, it is deemed that historical and/or present-day agricultural activities represent a potential environmental concern for the Site.



Potentially Contaminating Activities	Description of Activity	Status and Rationale
	issue of environmental concern for the Site.	

### 6.3 Areas of Potential Environmental Concern

The following summarizes the findings of the Phase I ESA. The Phase I ESA findings are based on acquired evidence of actual and/or potential environmental impact, and represent those environmental issues that may have a material impact on the Site or operations.

Ref#	Location of the Area of Potential Environmental Concern	Finding & Justification	Information Sources	Contaminants of Concern
ESA 1	Fill Material of Unknown Quality On-Site, northwest and southwest corners	Soil material mixed with asphalt was observed on the northwest corner of the Site and fill material was observed in the area northeast of the on-Site house. No further information and/or reports were available regarding the quantity or quality of these materials.	Site visit visual observations	Metals and inorganics
ESA 2	Agricultural activities: On-Site – southeast, central and north portions of Site	Historical activities on-Site have consisted of agricultural operations since at least the late 1930's. Reportedly, since 1987, herbicides were used on-Site to control weed growth.	Site Representative, aerial photographs.	Pesticides, herbicides, fertilizers (i.e., nitrate, nitrite)
ESA 3	Agricultural activities: Off-Site – north and east neighbouring properties	The properties located north and east of the Site are inferred to be hydrogeologically up-gradient and cross-gradient of the Site; these properties consist of agricultural fields. Based on the up- and cross-gradient location and proximity to the Site, the potential use of pesticides, herbicides and fertilizers on the agricultural land immediately north and east of the Site represents a potential issue of environmental concern for the Site.	Aerial photographs, visual observations	Pesticides, herbicides, fertilizers (i.e., nitrate, nitrite)

### 6.4 Conceptual Site Model

A Conceptual Site Model of the Phase I Study area is presented as a series of figures including: **Figure 2:** Phase I Study Area and Surrounding Land Use; and **Figure 3:** Areas of On-Site and Off-site Potential Environmental Concern. Together these figures outline all the significant features of the Site and surrounding properties included within the Phase I Study Area.

Golder conducted geotechnical work at the Site in July 2011. The results of this investigation indicated that subsurface conditions at the Site consisted of about 0.15 m to 0.5 m of surficial topsoil that was underlain by



native silty clay till that extended to depths of approximately 1.0 m to 3.1 m below the existing ground surface. Beneath the silty clay till, reddish brown shale bedrock of the Queenston Formation was encountered that extended to depths of approximately 4.6 m to 10.3 m below the inferred top of bedrock where practical refusal to further auger penetration was encountered, or the boreholes were terminated. The groundwater on-Site water levels were measured at depths of about 0.4 m to 2.7 m below ground. A tributary of the Sixteen Mile Creek traverses the southwest portion of the Site.

The results of the Phase I ESA indicate the following three Areas of Potential Environmental Concern:

- Within the on-Site areas used for agricultural activities;
- Within the off-Site areas used for agricultural activities; and
- Mounds of material were observed on the northwest and south portions of the Site.

Based on the historical document review and review of previous environmental investigation on the Site, the specific contaminants of concern for this property in soil and groundwater include; pesticides, herbicides, fertilizers (i.e., nitrate and nitrite), metals and inorganics.

There were no deviations to the Phase I ESA that would cause uncertainty or absence of information that would affect the validity of this conceptual model.

## **7.0 CONCLUSIONS**

The following summarizes the findings of the Phase I ESA. The Phase I ESA findings are based on acquired evidence of historical, actual or potential environmental impact, and represent those potential environmental issues that may have a material impact on the Site or operations contained within.

- During the Site reconnaissance, mounds of material were observed on the northwest and south portions of the Site. The material observed on the northwest portion of the Site consisted of soil, cement blocks, wood pieces, and asphalt (estimated volume of approximately 9 m<sup>3</sup>). The material observed in the south portion of the Site consisted of a mound covered with grass (estimated volume of approximately 10 m<sup>3</sup>) and was located northeast of the on-Site house. The source of the material in both areas was unknown. No further information and/or reports were available regarding the quantity or quality of this material. The unknown quality of the material observed on the northwest and south portion of the Site represents a potential environmental concern for the Site.
- Historical activities on- and off-Site (i.e., north and east of the Site) have consisted of agricultural operations since at least the late 1930's. Reportedly, from 1987 to 2010, herbicides were used from time to time on-Site to prevent weed growth. No information was available regarding pesticide and/or herbicide use on-Site prior to 1987. The properties located immediately north and east of the Site are inferred to be hydrogeologically up-gradient and cross-gradient of the Site; these properties consist of agricultural fields. The potential use of pesticides, herbicides and fertilizers on-Site and on the agricultural lands located immediately north and east of the Site represents a potential issue of environmental concern for the Site.



**PHASE I ESA - SIXTH LINE AND DUNDAS STREET EAST,  
OAKVILLE, ON**

Based on the Ministry of the Environment (“MOE”) response, it appears that the Site was used for the spreading of Biosolids in 2003 and 2008, including the application of lime for soil conditioning. The application of lime to the compost may impact the soil pH which should be verified.

It is therefore concluded that a Phase II Environmental Assessment would be required at this Site prior to submitting a Record of Site Condition for filing with the Ministry of the Environment.

**8.0 REFERENCES**

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

Source	Date
Canadian Standards Association Document Z768-01 ‘Phase I – Environmental Site Assessments’	November 2001
Ontario Ministry Of Northern Development And Mines, Map No. 2544, “ <i>Bedrock Geology Of Ontario, Southern Sheet</i> ”	1991
Ontario Ministry Of Northern Development And Mines, Ontario Geological Survey, Map 2556, “ <i>Quaternary Geology Of Ontario, Southern Sheet</i> ”	1991
Natural Resources Canada Topographic Map No. 30 M/5 - “Hamilton-Burlington”, Edition 10.	1999
LGI Copy Service Canada Inc.	May 13, 2011
EcoLog Environmental Risk Information Services (EcoLog ERIS Report)	May 17, 2011
EcoLog Environmental Risk Information Services (aerial photographs)	1934 and 1965
Golder Associates Ltd. Internal Library – Aerial Photographs	1979 and 1988
Risk Management Services	May 17, 2011
Ontario Ministry Of The Environment – Freedom Of Information And Protection Of Privacy Office	July 21, 2011
Regional Municipality of Halton	May 20, 2011 and July 4, 2011
Town of Oakville	May 18, 2011 and July 4, 2011
Halton Conservation	June 17, 2011
Report entitled “Heritage Impact Assessment, Part of Lot 15, Concession 1 North, Geographic Township of Trafalgar, former County of Halton, now City of Oakville, Ontario”, prepared by Golder Associated Ltd. to Sixth Line Corporation c/o Krpan Group	June 2011
Mr. Steve Malovic, Sixth Line Corporation, Site Representative.	May 18, 2011
Mr. Stan Putica, previous Site owner.	June 7, 2011



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

This report (the "Report") was prepared for the exclusive use of Sixth Line Corporation c/o Arutip Engineering Limited.

The Report is intended to provide a review of available data in accordance with the principal components of *O.Reg. 153/04*, as amended by *O.Reg. 511/09* and *CSA Z768-01 Phase I Environmental Site Assessment* to investigate historical uses, and to identify known and potential sources of contamination at property located at the northeast intersection of Dundas Street East and Sixth Line in Oakville, Ontario and legally identified as Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville, Regional Municipality of Halton at the time of the Site visit. The Report is based on data and information collected during the Site visits of the property conducted by Golder, and must be considered in its entirety. It is based solely on the conditions on the Site encountered at the time of the Site visits on May 13 and June 3, 2011, as reported herein. Except as otherwise may be requested, Golder disclaims any obligation to update this Report for events taking place, or with respect to information that becomes available to Golder after the time during which Golder conducted the work. No soil, water, liquid, gas, product or chemical sampling and analytical testing other than that described herein at or in the vicinity of the Site was conducted as part of this Work.

In evaluating the property, Golder has relied in good faith on information provided by other individuals, companies or government agencies noted in the Report. Golder has assumed that the information provided is factual and accurate and Golder has not independently verified the accuracy or completeness of such information. In addition, the findings in this Report are based, to a large degree, upon information provided by the Representatives of the Site. Golder accepts no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted. Golder makes no other representations whatsoever, including those concerning the legal significance of its findings, or as to other legal matters touched on in this letter, including, but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are subject to periodic amendment. In addition, regulatory statutes are subject to interpretation and these interpretations may change over time.

The scope and the period of Golder's assessment are described in this Report, and are subject to restrictions, assumptions and limitations. Golder did not perform a complete assessment of all possible conditions or circumstances that may exist at the Site referenced in the Report. Conditions may therefore exist which were not detected given the limited nature of the inquiry Golder was retained to undertake with respect to the Site. Accordingly, additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. Golder's opinions are based upon information that existed at the time of the writing of the Report. It is understood that the services provided for in the scope of work allowed Golder to form no more than an opinion of the actual conditions at the Site at the time the Site was visited, and cannot be used to assess the effect of any subsequent changes in any laws, regulations, the environmental quality of the Site or its surroundings. Asbestos and mould surveys were not performed. If a service is not expressly indicated, do not assume it has been provided.

Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, are the sole responsibility of the third parties. Should additional parties require reliance on this Report, written authorization from Golder will be required. Golder disclaims responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.



Should you have any questions concerning this report, or the limitations set herein, please do not hesitate to contact our office.

## **10.0 QUALIFICATIONS OF THE ASSESSORS**

### **Valentina Ulloa, B.Sc. – Environmental Scientist**

Ms. Valentina Ulloa is an Environmental Scientist in the Environmental and Corporate Services Division of Golder's Mississauga, Ontario office. Ms. Ulloa has contributed to several environmental projects throughout Ontario. Valentina has been actively involved in conducting Phase I ESA Environmental Site Assessments for clients in a variety of industrial sectors. Ms. Ulloa completed her academic training at University of Toronto, specializing in Biology and Environmental Science, and at Sheridan College Institute of Technology and Advanced Learning, specializing in Environmental Control.

### **Peter Mann, P. Eng. - Associate**

Peter Mann, P. Eng. is a Senior Engineer and Associate with Golder and has over 25 years of interdisciplinary professional experience specializing in geo-environmental and geotechnical engineering. Mr. Mann holds a B.A.Sc. Degree (1985) from the University of Toronto, Ontario. For the past 18 years, he has been responsible for conducting and managing environmental site assessments, and has developed strong expertise in environmental services for contaminated site identification and characterization, environmental site assessments, and supervision/management of site remediation and restoration. He has completed several Phase I and II Environmental Site Assessments (ESAs) for due diligence purposes and to satisfy regulatory requirements under Ont. Reg. 153/04 for development clients, private industry, financial institutions and various government agencies. He has been directly involved in over 100 ESAs for commercial/industrial properties. He has direct ESA experience at in-filled or dump sites, waterfront port lands, highway corridors, automotive parts manufacturing facilities, plating facilities, automotive/vehicle service facilities, bus transit facilities, dry-cleaners and gas stations. He has completed a Record of Site Condition to successfully meet the requirements of the former provincial guidelines and the current Ont. Reg. 153/04. Peter became registered as a Professional Engineer in the Province of Ontario in August 1987, and is currently registered with the Ministry of the Environment as a Qualified Person for conducting Environmental Site Assessments.

## **11.0 STATEMENT OF COMPLETION**

We confirm that this Phase I Environmental Site Assessment was conducted in a manner consisted with the expected standard of care for the consulting industry in Ontario. The findings and conclusions presented herein are based on our review of relevant and readily available information, as noted in this Report.

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





## Report Signature Page

**GOLDER ASSOCIATES LTD.**

Handwritten signature of Valentina Ulloa in blue ink.

Valentina Ulloa, B.Sc.  
Environmental Scientist

Handwritten signature of Peter Mann in blue ink.

Peter Mann, P.Eng.  
Associate

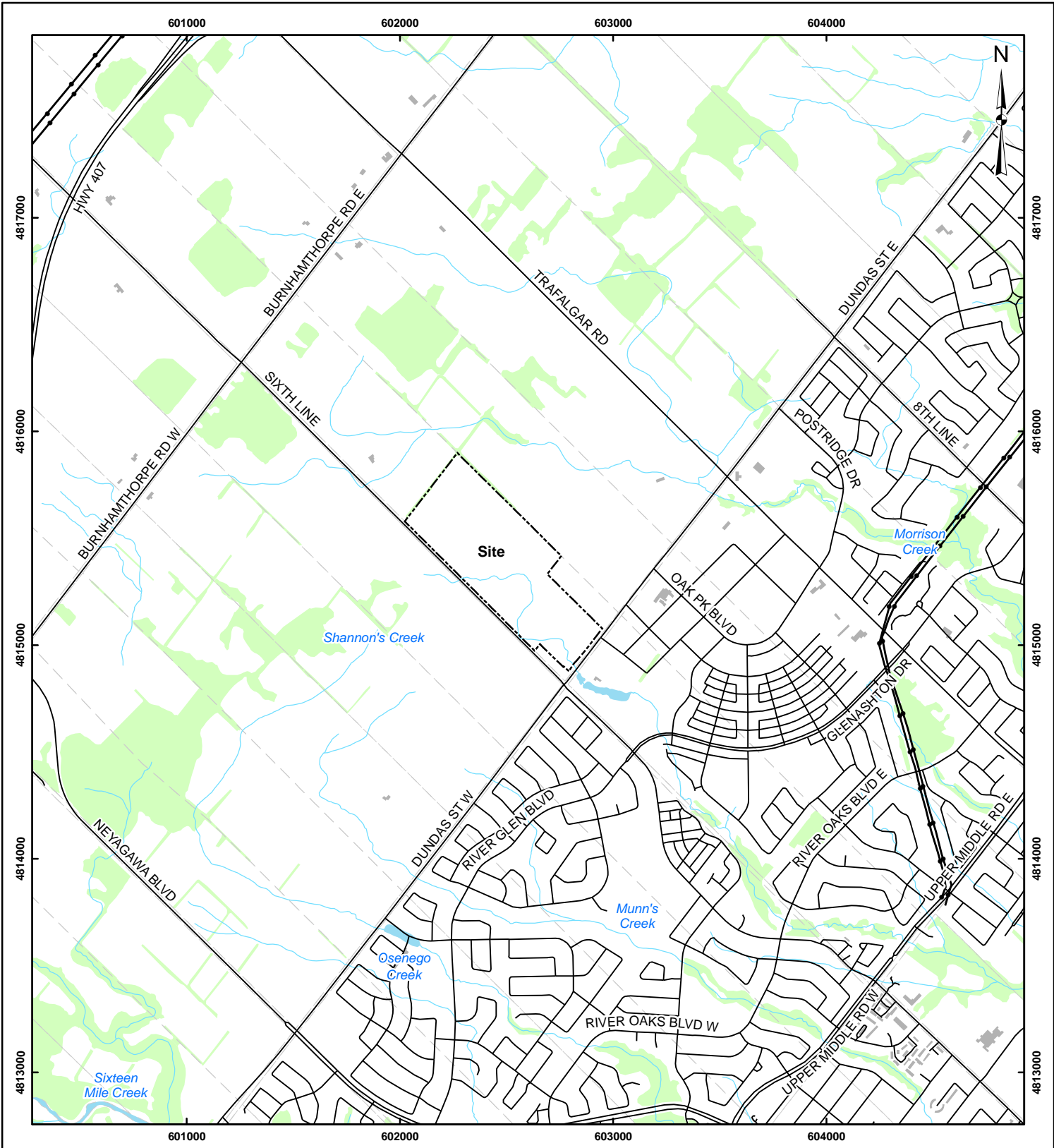
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# FIGURES



**LEGEND**

- Road
- + Railways
- River
- Waterbody
- Wooded Areas
- Lot Fabric

**REFERENCE**

Base Data - MNR NRVIS, obtained 2004  
 Produced by Golder Associates Ltd under licence from  
 Ontario Ministry of Natural Resources, © Queens Printer 2008  
 Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17



PROJECT		PHASE I ESA		SCALE AS SHOWN		REV. 0.0		
		SIXTH LINE CORPORATION						
		6TH LINE AND DUNDAS STREET EAST						
		OAKVILLE, ONTARIO						
TITLE		<b>SITE LOCATION</b>						
		PROJECT NO.	11-1186-0103					
		DESIGN	ME	19 May, 2011				
		GIS	ME	19 May, 2011				
		CHECK	JET	19 May, 2011				
		REVIEW						

**FIGURE: 1**

G:\Projects\2011\11-1186-0103\_Aurip\_Engineering\_Sixth\_Line\GIS\MXDs\Reporting\Fig1\_SiteLocation.mxd



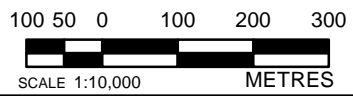
**LEGEND**

Approximate Site Limit

- |   |  |
|---|--|
| 1. 3380 6th Line – Residential  | 10. 95 Oak Walk Drive – Halton Regional Police Service #2 District                         |
| 2. 3369 6th Line – Residential  | 11. No number – Vacant land  |
| 3. 3270 6th Line – Communication Tower                                    | 12. No number – Under construction   |
| 4. 3042 to 3158 6th Line – Residential                                    | 13. 2545 6th Line – Wellspring Halton-Peel   |
| 5. 3043 & 3051 6th Line – Residential                                     | 14. 11-43 Red Maple Lane, 2448 -2624 Andover Road and 92-136 Westfield Trail - Residential |
| 6. 5 Dundas Street East – Munn's United Church                            |  |
| 7. 87 Dundas Street East – Residential                                    |  |
| 8. Southeast corner of 6th Line and Dundas Street East – Munn's Cementary |  |
| 9. 32 Dundas Street East – Presentation Centre: Waterlilies Townhomes.    |  |

**REFERENCE**

Base Data - MNR NRVIS, obtained 2004  
 Produced by Golder Associates Ltd under licence from Ontario Ministry of Natural Resources, © Queens Printer 2008  
 Imagery - Bing Maps © 2009 Microsoft Corporation and its data suppliers  
 Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17



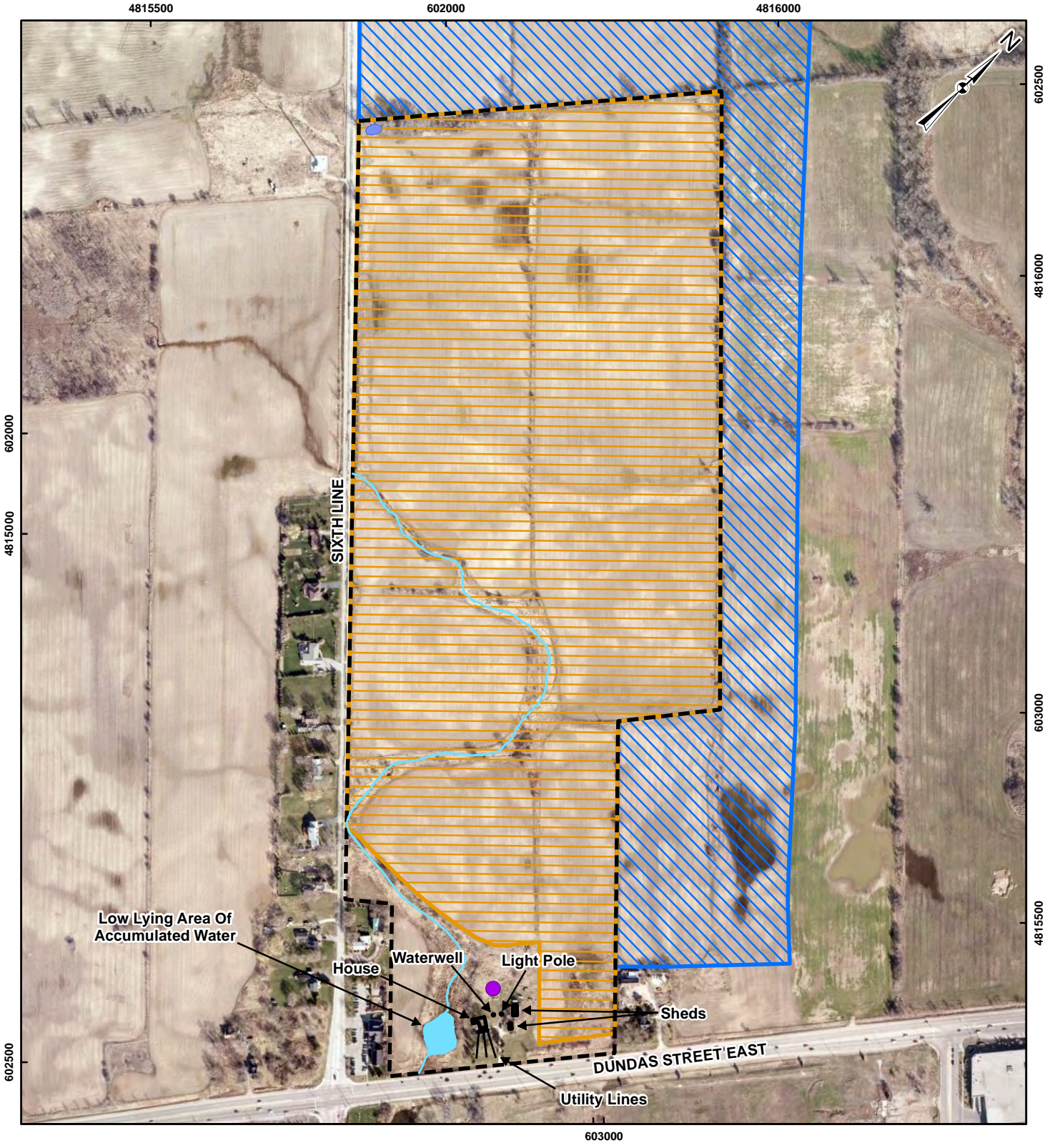
PROJECT		PHASE I ESA	
		SIXTH LINE CORPORATION	
		SIXTH LINE AND DUNDAS STREET EAST	
		OAKVILLE, ONTARIO	
TITLE			
<b>SITE AND SURROUNDING LAND USE</b>			
PROJECT NO. 11-1186-0103 (3010)		SCALE AS SHOWN	REV. 0.0
DESIGN	ME 19 May, 2011	<b>FIGURE: 2</b>	
GIS	ME 19 May, 2011		
CHECK	VU 19 May, 2011		
REVIEW			

**DRAFT**



G:\Projects\2011\11-1186-0103\_Accup\_Engineering\_Sixth\_Line\GIS\MXDs\Reporting\Fig2\_SiteAndSurroundingLandUse.mxd

G:\Projects\2011\11-1186-0103\_Aerial\_Engineering\_Sixth\_Line\GIS\MXDs\Reporting\Fig3\_AreasOfPotentialEnvironmentalConcern.mxd



**LEGEND**

- Approximate Site Limit
- ESA 1 - Material Mixed With Asphalt
- ESA 1 - Fill Material
- ESA 2 - Agricultural Activities On-Site
- ESA 3 - Agricultural Activities Off-Site
- Watercourse
- Utility Lines (Suspected To Be Telephone, Hydro and Water)

**REFERENCE**

Base Data - MNR NRVIS, obtained 2004  
 Produced by Golder Associates Ltd under licence from  
 Ontario Ministry of Natural Resources, © Queens Printer 2008  
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 Projection: Transverse Mercator Datum: NAD 83 Coordinate System: UTM Zone 17



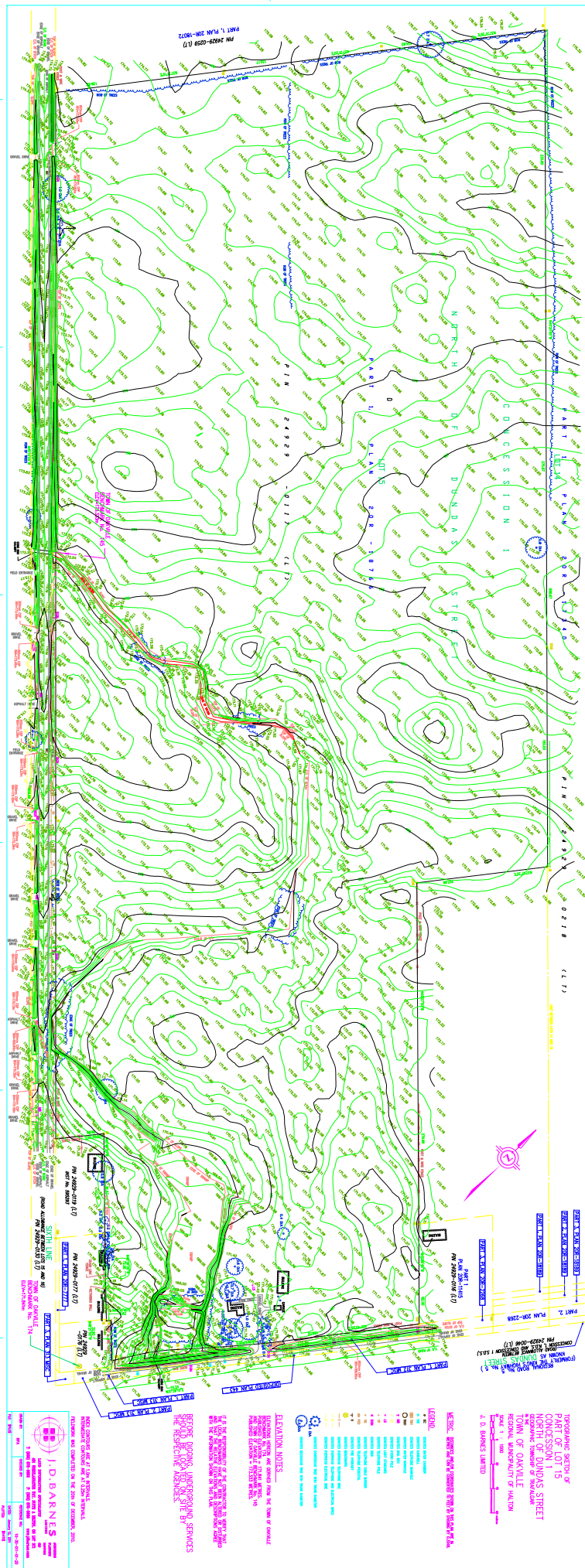
PROJECT	PHASE I ESA SIXTH LINE CORPORATION SIXTH LINE AND DUNDAS STREET EAST OAKVILLE, ONTARIO		
TITLE	<b>AREAS OF POTENTIAL                  ENVIRONMENTAL CONCERN</b>		
	PROJECT NO. 11-1186-0103 (3010)	SCALE AS SHOWN	REV. 0.0
DESIGN	ME	19 May, 2011	<b>FIGURE: 3</b>
GIS	ME	13 Jun. 2011	
CHECK	VU	13 Jun. 2011	
REVIEW			

DRAFT



# **APPENDIX A**

## **Plan of Survey**



**PROPOSED SECTION OF CONCESSION 1.10 NORTH OF DUNDAS STREET FROM THE EAST END TO THE WEST END OF DUNDAS STREET NORTH**  
SCALE: 1:500  
DATE: 2015

**LEGEND**

- EXISTING ROAD
- PROPOSED ROAD
- EXISTING UTILITY
- PROPOSED UTILITY
- EXISTING FENCE
- PROPOSED FENCE
- EXISTING TREE
- PROPOSED TREE
- EXISTING POLE
- PROPOSED POLE
- EXISTING SIGN
- PROPOSED SIGN
- EXISTING SIGNPOST
- PROPOSED SIGNPOST
- EXISTING DRIVEWAY
- PROPOSED DRIVEWAY
- EXISTING CURB
- PROPOSED CURB
- EXISTING GROUND
- PROPOSED GROUND
- EXISTING GRADE
- PROPOSED GRADE

**ELEVATION NOTES**

- ELEVATION SHALL BE AS SHOWN ON THIS MAP UNLESS OTHERWISE SPECIFIED
- ELEVATION SHALL BE AS SHOWN ON THE ORIGINAL SURVEY DRAWINGS
- ELEVATION SHALL BE AS SHOWN ON THE ORIGINAL SURVEY DRAWINGS
- ELEVATION SHALL BE AS SHOWN ON THE ORIGINAL SURVEY DRAWINGS
- ELEVATION SHALL BE AS SHOWN ON THE ORIGINAL SURVEY DRAWINGS

**BEFORE WORKING UNDERGROUND SERVICES**

- 1. ALL UTILITIES SHOWN ON THIS MAP ARE THE PROPERTY OF THE UTILITIES COMPANY
- 2. ALL UTILITIES SHOWN ON THIS MAP ARE THE PROPERTY OF THE UTILITIES COMPANY
- 3. ALL UTILITIES SHOWN ON THIS MAP ARE THE PROPERTY OF THE UTILITIES COMPANY

**JD BARNES**  
CONSULTING ENGINEERS  
INCORPORATED  
1000 WESTERN AVENUE  
TORONTO, ONTARIO M6H 2R1  
TEL: (416) 593-8800  
FAX: (416) 593-8801  
WWW.JDBARNES.COM



# **APPENDIX B**

## **Regulatory Responses and Historical Information**





<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 2000	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>6<sup>th</sup> Line (2450-3000)</b>	-All Residential  2456-Skytech Computer Consulting -Writedata Desktop Services Inc.
<b>Andover Road (All)</b>	-All Residential  2547-Comprehensive Business Solutions -Scuba Solutions
<b>Dundas Street East (1-200)</b>	-All Residential  No Address-Marc's Firewood Inc. 5-Munn's United Church 9-Munn's Child Care Center 156-Hays Farms International Ltd. -TACC Construction Co.
<b>Dundas Street West (1-200)</b>	-All Residential  115-Hickory Dickory Decks
<b>Oak Walk Drive (All)</b>	201-Maxi & Co. -TD Bank
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-All Residential

<b>Westfield Trail (All)</b>	-All Residential

<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 1996	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>6<sup>th</sup> Line (2450-3000)</b>	-All Residential
<b>Andover Road (All)</b>	-All Residential  2547-Comprehensive Business Solutions
<b>Dundas Street East (1-200)</b>	-All Residential  9-Munn's Child Care Center -Munn's United Church 55-Panda Productions 156-Hays Farms International Ltd.
<b>Dundas Street West (1-200)</b>	-All Residential  115-Hickory Dickory Decks
<b>Oak Walk Drive (All)</b>	-Street Not Listed
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-Street Not Listed
<b>Westfield Trail (All)</b>	-All Residential

<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 1991	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>6<sup>th</sup> Line (2450-3000)</b>	-No Listings Within Radius
<b>Andover Road (All)</b>	-Street Not Listed
<b>Dundas Street East (1-200)</b>	-All Residential  No Address –Marcs Quality Firewood -Mike’s Texaco 9-Munn’s Child Care Center -Munn’s United Church 156-Hays Farms International Ltd.
<b>Dundas Street West (1-200)</b>	-All Residential  60-Oakville/Mississauga Golf Center
<b>Oak Walk Drive (All)</b>	-Street Not Listed
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-Street Not Listed
<b>Westfield Trail (All)</b>	-Street Not Listed

<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 1986	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	

<b>6<sup>th</sup> Line (2450-3000)</b>	-No Listings Within Radius
<b>Andover Road (All)</b>	-Street Not Listed
<b>Dundas Street East (1-200)</b>	-All Residential  No Address –Marcs Quality Firewood -CSP Foods 9-Munn’s United Church 156-Hays Farms International Ltd. 166-RMC Enterprises
<b>Dundas Street West (1-200)</b>	-All Residential  5-West Side Lawn Mower Service
<b>Oak Walk Drive (All)</b>	-Street Not Listed
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-Street Not Listed
<b>Westfield Trail (All)</b>	-Street Not Listed

<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 1981	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>6<sup>th</sup> Line (2450-3000)</b>	-No Listings Within Radius
<b>Andover Road (All)</b>	-Street Not Listed
<b>Dundas Street East (1-200)</b>	-Street Not Listed
<b>Dundas Street West (1-200)</b>	-Street Not Listed
<b>Dundas Street (1-200)</b>	-All Residential

	5-West Side Lawn Mower Service 9-Munn's United Church 156-Hays Farms International
<b>Oak Walk Drive (All)</b>	-Street Not Listed
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-Street Not Listed
<b>Westfield Trail (All)</b>	-Street Not Listed

<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 1978	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>6<sup>th</sup> Line (2450-3000)</b>	-No Listings Within Radius
<b>Andover Road (All)</b>	-Street Not Listed
<b>Dundas Street East (1-200)</b>	-All Residential  156-Hay Farms International
<b>Dundas Street West (1-200)</b>	-All Residential  5-West Side Lawnmower
<b>Oak Walk Drive (All)</b>	-Street Not Listed
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-Street Not Listed
<b>Westfield Trail (All)</b>	-Street Not Listed

<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 1973	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>6<sup>th</sup> Line (2450-3000)</b>	-No Listings Within Radius
<b>Andover Road (All)</b>	-Street Not Listed
<b>Dundas Street East (1-200)</b>	-Street Not Listed
<b>Dundas Street West (1-200)</b>	-Street Not Listed
<b>Oak Walk Drive (All)</b>	-Street Not Listed
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-Street Not Listed
<b>Westfield Trail (All)</b>	-Street Not Listed

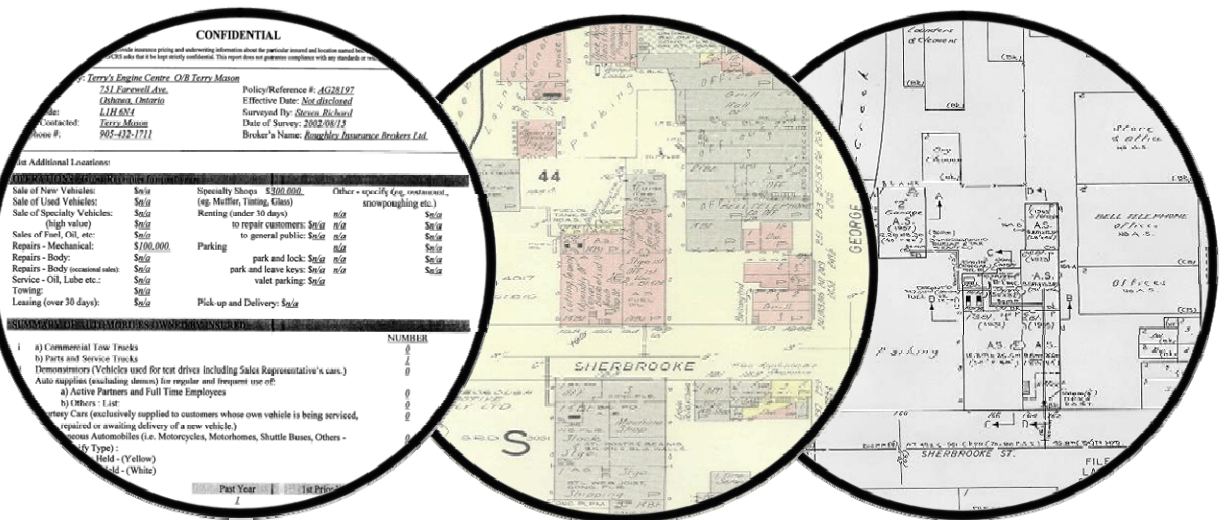
<b>PROJECT NUMBER:</b> 11-1186-0103 (3000) (3010)	
<b>Site Address:</b>	Part of Lot 15, Concession 1, North of Dundas Street, Oakville, Ontario
<b>Year:</b> 1967	
<b>Site Listing:</b>	-Address Not Listed
<b>Adjacent Properties:</b>	
<b>6<sup>th</sup> Line (2450-3000)</b>	-No Listings Within Radius
<b>Andover Road (All)</b>	-Street Not Listed
<b>Dundas Street East (1-200)</b>	-Street Not Listed
<b>Dundas Street West (1-200)</b>	-Street Not Listed

<b>Oak Walk Drive (All)</b>	-Street Not Listed
<b>Oak Walk Blvd (1-180)</b>	-Street Not Listed
<b>Red Maple Lane (All)</b>	-Street Not Listed
<b>Westfield Trail (All)</b>	-Street Not Listed

# HEIRS™



Historical  
Environmental  
Information  
Reporting  
System



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

## Site Address:

Part Lot 15, Concession 1, North  
Dundas St, Oakville, ON

## Project No:

20110506032

## Requested by:

E. Goolab  
Ecolog ERIS

## Date Completed:

May 17, 2011





ISO 9001 Certified

Risk Management Services  
150 Commerce Valley Drive W  
8<sup>th</sup> Floor  
Markham, ON  
L3T 7Z3

Tel: (905) 882-6300 x5410  
Fax: (905) 695-6543

## Historical Environmental Information Reporting System (HEIRS™)

May 17, 2011

Eleanor Goolab  
EcologERIS  
12 Concorde Place, Suite 800  
Toronto, ON  
M3C 4J2

**Regarding:** Part Lot 15, Concession 1, North Dundas St, Oakville - 20110506032

As requested, we have searched our records concerning the above site and the following information as listed below is appended hereto:

Information	Date(s)
Fire Insurance Plan(s)	NRF
Property Underwriters' Report(s)	NRF
Property Underwriters' Plan(s)	NRF

NRF: No Records Found    NO: Not Ordered

Our invoice in the amount of \$45.00 (+ HST) for the information provided will follow in due course.

Thank you for employing our services.

Vanessa Ode  
Environmental Services

New Website – [www.scm-rms.ca](http://www.scm-rms.ca)

### 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 \* and the laws of Canada applicable therein.

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Historical  
Environmental  
Information  
Reporting  
System



**NO RECORDS FOUND**

**Site Address:**

Part Lot 15, Concession 1, North  
Dundas St, Oakville, ON

**Project No:**

20110506032



Ministry of  
the Environment

Freedom of Information and  
Protection of Privacy Office

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

Ministère de  
l'Environnement

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

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



June 22, 2011

Shaheen Akhtar  
Golder Associates Ltd  
2390 Argentia Road  
Mississauga, ON L5N 5Z7

Dear Shaheen Akhtar:

**RE: Freedom of Information and Protection of Privacy Act Request**  
**Our File #: A-2011-02033, Your Reference #: 11-1186-0103**

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of Oakville.

After a thorough search of the Ministry's Halton Peel District Office, Investigations and Enforcement Branch, Environmental Assessment and Approvals Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, records were located in response to your request. It is my decision to provide partial access to the attached information as corporate ownership information and land registry records have been removed as these are publicly available from ServiceOntario and the local land registry office, respectively (Section 22 of the Act) and the proponent has marked the drawings of the site as confidential and have not been released. Should these be required, please contact the undermentioned so that we can ascertain why these drawings are confidential..

In accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, detailed below are our charges:

• Search Time 1 hour @ \$30/hour	\$30.00
• Copying 49 pages @ \$0.20/page	\$9.80
• Delivery	3.00
• <b>Total</b>	<b>\$ 42.80</b>
• Deposit Received	- 30.00
• <b>BALANCE WAIVED (NOT REQUIRED)</b>	<b>\$ 12.80</b>

The Environmental Assessment and Approvals Branch and the District Office have advised that there may be inactive records in the Records Centre, Mississauga. To retrieve these files there is a charge of \$60.00 with no guarantee that any records will be located responsive to your request. If you would like us to retrieve these files, **please forward to me at the above address payment by money order or cheque (made payable to the "Minister of Finance (FOI)") or by credit card in the amount of \$60.00.** Please note, a request for records must usually be answered within 30 calendar days, however Section 27 allows for time extensions under certain circumstances. If you choose to have the files retrieved from the Records Centre, the time for answering your request will be extended for an additional 30 days.

If you object to any decision I have made, you may request a review by contacting the Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, ON M4W 1A8 (800-387-0073 or 416-326-3333). Please note that there is a \$25.00 fee and you only have 30 days from receipt of this letter to request a review.

If you have any questions regarding this matter, please contact Fred Ruiter at (416) 314-1225.

Yours truly



Donna Currie  
FOI Coordinator  
Freedom of Information and Protection of Privacy Office

Attachments

SCHEDULE "C"

This Schedule "C" forms a part of Provisional Certificate of Approval No. 1087-5LXJYV:

Biosolids Spreading Operation Data Sheet

Date: June 5 / 2008

Site Number: K4513

Location: lot 15, Pm I WOS, Town of Oakville

Owner/Lessee/Tenant: Larry Blaney

Total area of Site: 28.75 (ha) 71.01 (ac)

Application rate of Biosolids: ≤ 120m<sup>3</sup>/ha or  
≤ 8 dry tonnes/ha (tonnes/ha) (m<sup>3</sup>/ha) (Imp. Gallon/ac)

CONSTRAINTS AND APPLICATION RATE DURING DRY FIELD CONDITIONS:

Usable area of Site: 25.55 (ha) 63.10 (ac)

Major constraints: Resistance, well(s)

Total amount of Biosolids permitted to be applied: ≤ 4599 m<sup>3</sup> or  
≤ 204.4 dry tonnes (tonnes) (m<sup>3</sup>) (Imp. Gallon)

SEASONAL CONSTRAINTS AND APPLICATION RATE DURING WET FIELD CONDITIONS

Usable area of Site during wet weather or wet field conditions: 0 (ha) 0 (ac)

Seasonal constraints: \_\_\_\_\_

Total amount of Biosolids permitted to be applied during wet weather or wet field conditions: 0 (tonnes) (m<sup>3</sup>) (Imp. Gallon)

I certify that I have inspected the above Site and that it complies with the standards specified in the Guidelines. I recommend that this Site be approved as an Organic Soil Conditioning Site under Provisional Certificate of Approval No. 1087-5LXJYV.

[Signature]  
The Company's Biosolids Manager or their designate

- Based upon:
- (a) the completed Application Form and all supporting information or a copy of a Provisional Certificate of Approval for the Site permitting Biosolids to be utilized at the Site; and
  - (b) this Biosolids Spreading Operation Data Sheet;

I approve of the addition of this Organic Soil Conditioning Site to Schedule "B" of the Provisional Certificate of Approval No. 1087-5LXJYV. No sludge shall be applied to this Site beyond Sept. 3, 2013. The same right to have this approval reviewed by the Environmental Review Tribunal, as is in the original Notice accompanying Provisional Certificate of Approval No. 1087-5LXJYV, applies to this approval.

Dated at Burlington, this Sept 3 day of, 2008.

This Organic Soil Conditioning Site is approved to receive processed organic waste from The Regional Municipality of Halton's wastewater treatment plants and the W.A. Bill Johnson Biosolids Management Centre, subject to conditions attached as Schedule "A".

**SCHEDULE "A"**

Provisional Certificate of Approval Number 1087-5LXJYV  
Site K4513 – Fields 4730, 4731, 4732, 4733, 4734, and 4735  
Lot 15, Concession 1 North of Dundas Street, Town of Oakville

1. This Organic Waste Disposal Site shall be operated in accordance with Provisional Certificate of Approval Number 1087-5LXJYV, the Application for Approval of a Waste Management System, the supporting information, the conditions listed in this Schedule "A", the most current version of "Guidelines for the Utilization of Biosolids and Other Wastes on Agricultural Land", the *Nutrient Management Act*, and Ontario Regulation 267/03.
2. The Company must ensure compliance with all terms and conditions of this certificate. Any non-compliance constitutes a violation of the Act and is grounds for enforcement.
3. The application of Biosolids shall be such that it does not cause surface runoff resulting in groundwater contamination. Biosolids shall not be spread when the water table is less than 0.9 metres, as described in the Guidelines.
4. If subsurface injection is used, the depth of the water table at the time of spreading, less the depth of injection, must be equal to or greater than 0.9 metres.
5. Spreading of Biosolids shall not be carried out during the period beginning on December 1 of one year and ending on March 31 of the following year. Spreading shall not occur during rain periods that may cause runoff. For spring spreading, fields shall only be used after spring flooding has receded. No high trajectory irrigation guns will be used in the spreading of Biosolids.
6. No Biosolids shall be applied to the Site beyond the expiry date specified for that Site, unless a Provisional Certificate of Approval has been obtained permitting Biosolids to be utilized on that Site beyond the expiry date.
7. The company must keep written records in order to complete an Annual Report by March 31 of each year, covering the previous calendar year. The report shall be prepared in accordance with the requirements in Provisional Certificate of Approval Number 1087-5LXJYV.
8. The field shall be cropped in accordance with Table 7 of the "Agronomy Guide for Field Crops" – Ontario Ministry of Agriculture, Food and Rural Affairs Publication 811.
9. Biosolids analysis should be made available to the farmer together with a copy of the Certificate of Approval no later than 60 days after the issuance of this certificate.
10. All tiled sites must be tilled before and after Biosolids application unless Biosolids are injected when applied.
11. Spreading of sewage Biosolids shall not be carried out on a field that contains or is adjacent to surface water, if application is closer than 20 metres from the top of the nearest bank of the surface water.
12. The District Office shall be notified when spreading commences at the site.
13. Where solid Biosolids (i.e., cake) are applied on surface soils, the material shall be incorporated immediately (same day – before sunset) into the soil.
14. Where liquid Biosolids are applied on surface soils (i.e., to living crops or crop residue), they shall only be applied during the normally dry period in summer.



## Biosolids Utilization Site Inspection Report

<b>Client:</b>	The Regional Municipality of Halton Mailing Address: 1151 Bronte Rd, Oakville, Ontario, Canada, L6M 3L1 Physical Address: 1151 Bronte Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6M 3L1 Telephone: (905)825-6000, FAX: (905)825-9010, email: accesshalton@halton.ca Client #: 7165-4E554E, Client Type: Municipal Government		
<b>Inspection Site Address:</b>	K4513 – Halton Region Biosolids Recycling Program Address: Lot: 15, Concession: 1 North of Dundas Street, Oakville, Town, Regional Municipality of Halton, L6H 7C5 District Office: Halton-Peel GeoReference: Map Datum: NAD83, Zone: 17, UTM Easting: 601915, UTM Northing: 4815996, ,		
<b>Contact Name:</b>	Adrian Mohammed	<b>Title:</b>	Biosolids Recycling Technician
<b>Contact Telephone:</b>	(905)825-6000 ext4491	<b>Contact Fax:</b>	(905)893-1316
<b>Last Inspection Date:</b>			
<b>Inspection Start Date:</b>	2008/07/09	<b>Inspection Finish Date:</b>	2008/07/09
<b>Region:</b>	Central		

### 1.0 INTRODUCTION

The goal of this preliminary proactive inspection was to ensure that biosolids are to be spread according to applicable legislation, policies, and guidelines. The site inspection focused on verifying the fields/areas on which biosolids are to be applied, and establishing appropriate setbacks to neighbouring land-uses, watercourses, wells, etc. (both on-site and off-site), to be maintained during the application of biosolids.

Site K4513 consists of Fields 4730, 4731, 4732, 4733, 4734, and 4735, and is located northeast of Sixth Line and southeast of Burnhamthorpe Road East, in the Town of Oakville. The site has a total area of 28.75 hectares with a total usable area of 25.55 hectares. This site is owned by Argo (North Oakville I) Ltd. and Argo (North Oakville II) Ltd., 2173 Turnberry Road, Burlington ON L7M 4P8, and operated by Larry Blaney, 1075 Burnhamthorpe Road West, Oakville ON L6M 4K9.

### 2.0 INSPECTION OBSERVATIONS

#### 2.1 ORGANIC SOIL CONDITIONING SITE

2.1.1 Certificate of Approval Number(s):

Yes  No

1087-5LXJYV

C of A Number(s):

2.1.2 Site Owner

Argo (North Oakville I) Ltd. and Argo (North Oakville II) Ltd., 2173 Turnberry Road, Burlington ON L7M 4P8

a) Weather conditions:

Sunny

b) Land Use:

Agricultural

c) Spreading at time of inspection:

No

d) Application Method:

Injection

- e) Condition of hauling/spreading vehicle: N/A
- f) Offsite odours being generated: N.A.
- g) Runoff occurring: N.A.
- h) Biosolids spread in approved area: N.A.
- i) Are Biosolids being stored in accordance with approved conditions: N.A.
- j) Comments:

**2.2 ORGANIC WASTE MANAGEMENT SYSTEM**

Name: Terratec Environmental Ltd.  
Address: 200 Eastport Boulevard  
Hamilton ON L8H 7S4  
Contact Name: Mark Janiec  
Contact Telephone: 905 878-2800  
Systems C of A number: 4560-4QDFY9  
Biosolids spreading report submitted to landowner or authorized tenant:

Comments:

**2.3 BIOSOLIDS GENERATOR**

Company / Municipality: The Regional Municipality of Halton  
Address: 1151 Bronte Road  
Oakville ON L6M 3L1  
Contact Name: Adrian Mohammed  
Contact Telephone: 905 825-6000  
1) Records available confirming amount of biosolids applied to site: Yes  
2) Biosolids Analysis available for review: Yes  
3) Nitrogen/metal ratios acceptable: Yes  
4) Records of application rates comply with Certificate of Approval:  
Comments:

**3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES**

No previous non-compliance issues noted

**4.0 SUMMARY OF INSPECTION FINDINGS (HEALTH/ENVIRONMENTAL IMPACT)**

Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate ?

No

Specifics:

Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material ?



No

Specifics:

Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment ?  
No

Specifics:

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material ?  
No

Specifics:

Was there any indication of minor administrative non-compliance?  
No

Specifics:

## 5.0 ACTION(S) REQUIRED

The following setback restrictions are to be maintained at this site:

- minimum 90 metres from the house and well located to the northwest of Field 4733
- minimum 90 metres from the wells located on the northeast side of Field 4734

## 6.0 OTHER INSPECTION FINDINGS

## 7.0 INCIDENT REPORT

Not Applicable

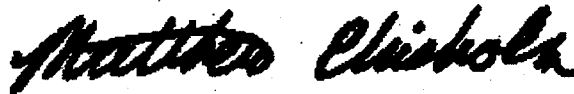
## 8.0 ATTACHMENTS

Required attachments:

**PREPARED BY:**  
**Environmental Officer:**

Name:  
District Office:  
Date:  
Signature

Matthew Chisholm  
Halton-Peel District Office  
2008/08/25



**REVIEWED BY:**

**District Supervisor:**

Name:

Carl Pinto

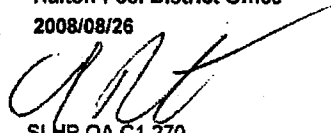
District Office:

Halton-Peel District Office

Date:

2008/08/26

Signature:



File Storage Number:

SI HP OA C1 270

**Note:**

"This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory requirements"

**SCHEDULE "C"**

This Schedule "C" forms a part of Provisional Certificate of Approval No. 1087-5LXJYV:

**Biosolids Spreading Operation Data Sheet**

Date: June 5 / 2008  
Site Number: K4513  
Location: lot 15, Cm I WDS, Town of Oakville  
Owner/Lessor/Tenant: Larry Blaney  
Total area of Site: 28.75 (ha) 71.01 (ac)  
Application rate of Biosolids: £180m<sup>3</sup>/ha or £8 dry tonnes/ha (tonnes/ha) (m<sup>3</sup>/ha) (Imp. Gallon/ac)  
**CONSTRAINTS AND APPLICATION RATE DURING DRY FIELD CONDITIONS:**  
Usable area of Site: 25.55 (ha) 62.10 (ac)  
Major constraints: Residence, well(s)  
Total amount of Biosolids permitted to be applied: £4599 m<sup>3</sup> or £204.4 dry tonnes (tonnes) (m<sup>3</sup>) (Imp. Gallon)  
**SEASONAL CONSTRAINTS AND APPLICATION RATE DURING WET FIELD CONDITIONS:**  
Usable area of Site during wet weather or wet field conditions: 0 (ha) 0 (ac)  
Seasonal constraints: \_\_\_\_\_  
Total amount of Biosolids permitted to be applied during wet weather or wet field conditions: 0 (tonnes) (m<sup>3</sup>) (Imp. Gallon)

I certify that I have inspected the above Site and that it complies with the standards specified in the Guidelines. I recommend that this Site be approved as an Organic Soil Conditioning Site under Provisional Certificate of Approval No. 1087-5LXJYV.

[Signature]  
The Company's Biosolids Manager or their designate

- Based upon:
- (a) the completed Application Form and all supporting information or a copy of a Provisional Certificate of Approval for the Site permitting Biosolids to be utilized at the Site; and
  - (b) this Biosolids Spreading Operation Data Sheet;

I approve of the addition of this Organic Soil Conditioning Site to Schedule "B" of the Provisional Certificate of Approval No. 1087-5LXJYV. No sludge shall be applied to this Site beyond Sept 3, 2013.  
The same right to have this approval reviewed by the Environmental Review Tribunal, as is in the original Notice accompanying Provisional Certificate of Approval No. 1087-5LXJYV, applies to this approval.

Dated at Burlington, this Sept 3 day of, 2008.

[Signature]  
Director, Section 39, EPA

This Organic Soil Conditioning Site is approved to receive processed organic waste from The Regional Municipality of Halton's wastewater treatment plants and the W.A. Bill Johnson Biosolids Management Centre, subject to conditions attached as Schedule "A".

## SCHEDULE "A"

Provisional Certificate of Approval Number 1087-5LXJYV  
Site K4513 – Fields 4730, 4731, 4732, 4733, 4734, and 4735  
Lot 15, Concession 1 North of Dundas Street, Town of Oakville

1. This Organic Waste Disposal Site shall be operated in accordance with Provisional Certificate of Approval Number 1087-5LXJYV, the Application for Approval of a Waste Management System, the supporting information, the conditions listed in this Schedule "A", the most current version of "Guidelines for the Utilization of Biosolids and Other Wastes on Agricultural Land", the *Nutrient Management Act*, and Ontario Regulation 267/03.
2. The Company must ensure compliance with all terms and conditions of this certificate. Any non-compliance constitutes a violation of the Act and is grounds for enforcement.
3. The application of Biosolids shall be such that it does not cause surface runoff resulting in groundwater contamination. Biosolids shall not be spread when the water table is less than 0.9 metres, as described in the Guidelines.
4. If subsurface injection is used, the depth of the water table at the time of spreading, less the depth of injection, must be equal to or greater than 0.9 metres.
5. Spreading of Biosolids shall not be carried out during the period beginning on December 1 of one year and ending on March 31 of the following year. Spreading shall not occur during rain periods that may cause runoff. For spring spreading, fields shall only be used after spring flooding has receded. No high trajectory irrigation guns will be used in the spreading of Biosolids.
6. No Biosolids shall be applied to the Site beyond the expiry date specified for that Site, unless a Provisional Certificate of Approval has been obtained permitting Biosolids to be utilized on that Site beyond the expiry date.
7. The company must keep written records in order to complete an Annual Report by March 31 of each year, covering the previous calendar year. The report shall be prepared in accordance with the requirements in Provisional Certificate of Approval Number 1087-5LXJYV.
8. The field shall be cropped in accordance with Table 7 of the "Agronomy Guide for Field Crops" – Ontario Ministry of Agriculture, Food and Rural Affairs Publication 811.
9. Biosolids analysis should be made available to the farmer together with a copy of the Certificate of Approval no later than 60 days after the issuance of this certificate.
10. All tilled sites must be tilled before and after Biosolids application unless Biosolids are injected when applied.
11. Spreading of sewage Biosolids shall not be carried out on a field that contains or is adjacent to surface water, if application is closer than 20 metres from the top of the nearest bank of the surface water.
12. The District Office shall be notified when spreading commences at the site.
13. Where solid Biosolids (i.e., cake) are applied on surface soils, the material shall be incorporated immediately (same day – before sunset) into the soil.
14. Where liquid Biosolids are applied on surface soils (i.e., to living crops or crop residue), they shall only be applied during the normally dry period in summer.



## Biosolids Utilization Site Inspection Report

<b>Client:</b>	The Regional Municipality of Halton Mailing Address: 1151 Bronte Rd, Oakville, Ontario, Canada, L6M 3L1 Physical Address: 1151 Bronte Rd, Oakville, Town, Regional Municipality of Halton, Ontario, Canada, L6M 3L1 Telephone: (905)825-6000, FAX: (905)825-9010, email: accesshalton@halton.ca Client #: 7165-4E554E, Client Type: Municipal Government		
<b>Inspection Site Address:</b>	K4513 – Halton Region Biosolids Recycling Program Address: Lot: 15, Concession: 1 North of Dundas Street, Oakville, Town, Regional Municipality of Halton, L6H 7C5 District Office: Halton-Peel GeoReference: Map Datum: NAD83, Zone: 17, UTM Easting: 601915, UTM Northing: 4815996,		
<b>Contact Name:</b>	Adrian Mohammed	<b>Title:</b>	Biosolids Recycling Technician
<b>Contact Telephone:</b>	(905)825-6000 ext4491	<b>Contact Fax:</b>	(905)693-1316
<b>Last Inspection Date:</b>			
<b>Inspection Start Date:</b>	2008/07/09	<b>Inspection Finish Date:</b>	2008/07/09
<b>Region:</b>	Central		

### 1.0 INTRODUCTION

The goal of this preliminary proactive inspection was to ensure that biosolids are to be spread according to applicable legislation, policies, and guidelines. The site inspection focused on verifying the fields/areas on which biosolids are to be applied, and establishing appropriate setbacks to neighbouring land uses, watercourses, wells, etc. (both on-site and off-site), to be maintained during the application of biosolids.

Site K4513 consists of Fields 4730, 4731, 4732, 4733, 4734, and 4735, and is located northeast of Sixth Line and southeast of Burnhamthorpe Road East, in the Town of Oakville. The site has a total area of 28.75 hectares with a total usable area of 25.55 hectares. This site is owned by Argo (North Oakville I) Ltd. and Argo (North Oakville II) Ltd., 2173 Turnberry Road, Burlington ON L7M 4P8, and operated by Larry Blaney, 1075 Burnhamthorpe Road West, Oakville ON L6M 4K9.

### 2.0 INSPECTION OBSERVATIONS

#### 2.1 ORGANIC SOIL CONDITIONING SITE

2.1.1 Certificate of Approval Number(s):  Yes  No  
1087-5LXJYV

C of A Number(s):  
2.1.2 Site Owner

Argo (North Oakville I) Ltd. and Argo (North Oakville II) Ltd., 2173 Turnberry Road, Burlington ON L7M 4P8

- a) Weather conditions: Sunny
- b) Land Use: Agricultural
- c) Spreading at time of inspection: No
- d) Application Method: Injection

- e) Condition of hauling/spreading vehicle: N/A
- f) Offsite odours being generated: N.A.
- g) Runoff occurring: N.A.
- h) Biosolids spread in approved area: N.A.
- i) Are Biosolids being stored in accordance with approved conditions: N.A.
- j) Comments:

**2.2 ORGANIC WASTE MANAGEMENT SYSTEM**

Name: Terratec Environmental Ltd.  
Address: 200 Eastport Boulevard  
Hamilton ON L8H 7S4  
Contact Name: Mark Janiec  
Contact Telephone: 905 878-2800  
Systems C of A number: 4560-4QDFY9  
Biosolids spreading report submitted to landowner or authorized tenant:

Comments:

**2.3 BIOSOLIDS GENERATOR**

Company / Municipality: The Regional Municipality of Halton  
Address: 1151 Bronte Road  
Oakville ON L6M 3L1  
Contact Name: Adrian Mohammed  
Contact Telephone: 905 825-6000  
1) Records available confirming amount of biosolids applied to site: Yes  
2) Biosolids Analysis available for review: Yes  
3) Nitrogen/metal ratios acceptable: Yes  
4) Records of application rates comply with Certificate of Approval:

Comments:

**3.0 REVIEW OF PREVIOUS NON-COMPLIANCE ISSUES**

No previous non-compliance issues noted

**4.0 SUMMARY OF INSPECTION FINDINGS (HEALTH/ENVIRONMENTAL IMPACT)**

Was there any indication of a known or anticipated human health impact during the inspection and/or review of relevant material, related to this Ministry's mandate ?

No

Specifics:

Was there any indication of a known or anticipated environmental impact during the inspection and/or review of relevant material ?

No

Specifics:

Was there any indication of a known or suspected violation of a legal requirement during the inspection and/or review of relevant material which could cause a human health impact or environmental impairment ?  
No

Specifics:

Was there any indication of a potential for environmental impairment during the inspection and/or the review of relevant material ?  
No

Specifics:

Was there any indication of minor administrative non-compliance?  
No

Specifics:

## 5.0 ACTION(S) REQUIRED

The following setback restrictions are to be maintained at this site:

- minimum 90 metres from the house and well located to the northwest of Field 4733
- minimum 90 metres from the wells located on the northeast side of Field 4734

## 6.0 OTHER INSPECTION FINDINGS

## 7.0 INCIDENT REPORT

Not Applicable

## 8.0 ATTACHMENTS

Required attachments:

### PREPARED BY:

Environmental Officer:

Name:

Matthew Chisholm

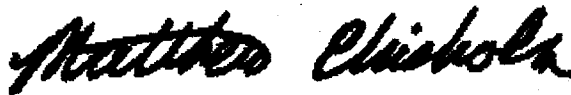
District Office:

Halton-Peel District Office

Date:

2008/08/25

Signature



**REVIEWED BY:**

**District Supervisor:**

**Name:**

Carl Pinto

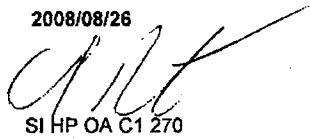
**District Office:**

Halton-Peel District Office

**Date:**

2008/08/26

**Signature:**



**File Storage Number:**

SI HP OA C1 270

**Note:**

"This inspection report does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they may apply to this facility. It is, and remains, the responsibility of the owner and/or the operating authority to ensure compliance with all applicable legislative and regulatory requirements"



**Chisholm, Matthew (ENE)**

**From:** Mohammed, Adrian [Adrian.Mohammed@halton.ca]  
**Sent:** July 25, 2008 12:42  
**To:** Chisholm, Matthew (ENE)  
**Cc:** Longo, Luciella (ENE); Iamarino, Dean; Morden, Peter  
**Subject:** E-Coli Request  
**Attachments:** Skyway and Mid-Halton. E Coli, July 25.xls

Matt,

As we discussed this morning here is the e-coli data for the liquid and cake material coming out of our Skyway and Mid-Halton plants.

I will now attached them to any future applications as supporting information.

Please do not hesitate to call if you have any comments or questions.

Yours truly

Adrian Mohammed, BES  
Biosolids Recycling Technician  
Region of Halton  
905-825-6000 Ext. 4491  
[Adrian.Mohammed@halton.ca](mailto:Adrian.Mohammed@halton.ca)

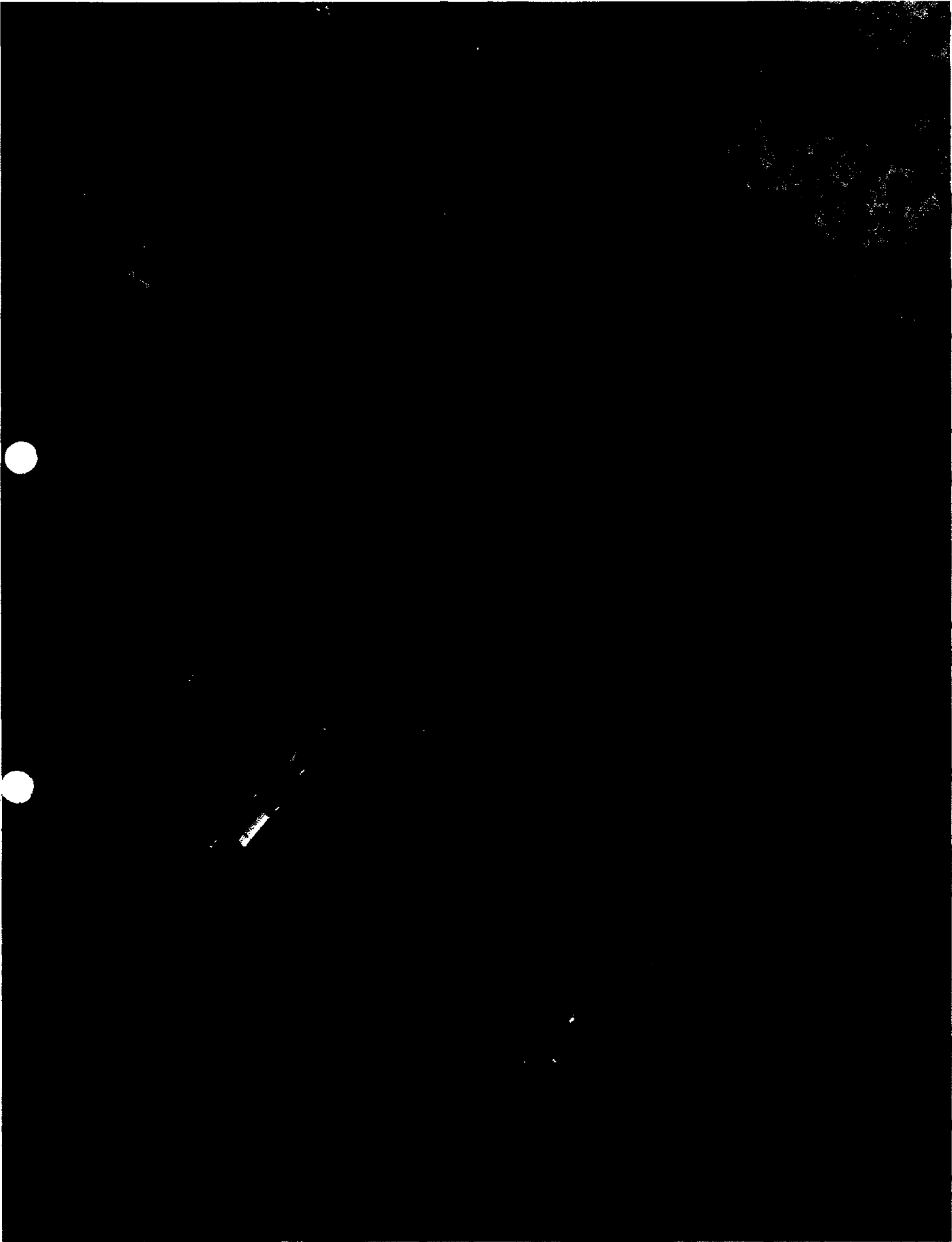
SKYWAY WWTP-2008

DEWATERED BIOSOLIDS

Sample Date	Number of Data	E. Coli Concentration (cfu/g TS dw)	Log Based 10 of [E-Coli]	Running Arithmetic Average of 4 most recent (Log[E-Coli])	Running Geometric Means of 4 most recent samples
14-Jan-08	1	251000	5.40	5.40	251000
21-Jan-08	2	102000	5.01	5.20	160006
04-Feb-08	3	149000	5.17	5.19	156250
11-Feb-08	4	263000	5.42	5.25	177973
03-Mar-08	5	1220000	6.09	5.42	264256
24-Mar-08	6	145000	5.16	5.37	234366
07-Apr-08	7	278000	5.44	5.46	286407
21-Apr-08	8	330000	5.52	5.53	335775
05-May-08	9	105000	5.02	5.29	193321
19-May-08	10	17800	4.25	5.06	114431
16-Jun-08	11	240000	5.38	5.04	110302
23-Jun-08	12	238000	5.38	5.01	101648

LIQUID BIOSOLIDS

Sample Date	Number of Data	E. Coli Concentration (cfu/g TS dw)	Log Based 10 of [E-Coli]	Running Arithmetic Average of 4 most recent (Log[E-Coli])	Running Geometric Means of 4 most recent samples
14-Jan-08	1	321000	5.51	5.51	321000
21-Jan-08	2	151000	5.18	5.34	220161
04-Feb-08	3	195000	5.29	5.33	211433
11-Feb-08	4	298000	5.47	5.36	230374
03-Mar-08	5	74000	4.87	5.20	159630
24-Mar-08	6	240000	5.38	5.24	173195
07-Apr-08	7	36800	4.57	5.12	130580
21-Apr-08	8	328000	5.52	5.16	144903
05-May-08	9	142000	5.15	5.15	142415
19-May-08	10	190000	5.28	5.13	134336
16-Jun-08	11	88200	4.95	5.22	167146
23-Jun-08	12	3130	3.50	4.72	52241



SUNNY

13:50  
N 14:20

12451'S

Lucy Blaney

09

000015

THE REGIONAL MUNICIPALITY OF HALTON  
1151 BRONTE ROAD  
OAKVILLE, ONTARIO, CANADA L6M 3L1



PLANNING AND PUBLIC WORKS DEPARTMENT  
Tel: (905) 825-6000 Fax: (905) 825-0267  
Toll free: 1-866-4HALTON (1-866-442-5866)

June 25, 2008

Mr. Matthew Chisholm  
Environmental Officer  
MOE Halton - Peel District Office  
4145 North Service Rd., Suite 300  
Burlington ON L7L 6A3

Dear Mr. Chisholm:

**Re: Halton Biosolids Program: Application(s) for Approval of a Processed Organic Waste (Biosolids) Disposal Site(s).  
Ref. MOE CofA No. 1087-5LXJYV- (M2656, K4513 and M2725)**

Please accept the following applications for approval for Sites M2656, K4513 and M2725 of the Halton Region Biosolids Recycling Program farmed by Mr. Larry Blaney.

Terratec and Halton would also like to book an inspection time to see these sites at your earliest convenience.

Also, I have issued a cheque requisition for the application administration fee of \$300.00, and will promptly deliver it to your office upon receipt.

Thank you for your time and cooperation. Should you have any questions or comments regarding the above application, please contact me at 905-825-6000 Ext. 4491.

Yours truly,

A handwritten signature in black ink, appearing to read "Adrian", written in a cursive style.

Adrian Mohammed BES  
Biosolids Recycling Technician

Cc. Peter Morden, Supervisor Biosolids and Industrial Waste



Ministry of the Environment

L. FISH 14513
Application for Approval of Hauled Sewage (septage), Sewage Biosolids and Other Wastes

Ce formulaire est disponible en français

JUN 2 2008

HALTON DISTRICT OFFICE

Table with 4 columns: Reference Number (5281-7HUQ62), Payment Received (\$100), Date (2008-08-25), Initials (ML)

General information and instructions

General:

Information requested in this form is collected under the authority of the Environmental Protection Act, R.S.O. 1990 (EPA) and will be used to evaluate applications for approval of waste management systems under Section 27, EPA.

Instructions:

- 1. When completing this form, please refer to the "Guide for Applying for Approval of Hauled Sewage (septage) or Processed Organic Waste (biosolids) Disposal Site...
2. This form must be completed with respect to all requirements identified in the Guide in order for it to be considered as an application for approval. INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.
3. A complete application consists of: (1) a completed and signed application form...
4. The application, along with the supporting information and application fee, must be submitted to the local Ministry District.
5. Information contained in this application is not considered confidential and will be made available to the public upon request.
6. If the Client submits with the application a copy of their Master Business Licence (MBL) obtained from the Ministry of Government Services the shaded sections within this form do not need to be completed.

1. Client Information (Owner of works/facility)

Form with fields for Client Name (THE REGIONAL MUNICIPALITY OF HALTON), Business Identification Number (N/A), Business Name, Client Type (Municipal Government), Activity Classification Code (N/A), and Business Activity Description (MUNICIPAL GOVERNMENT).

2. Client Physical Address - Complete A, C and D or B, C and D

Form with fields for Civic Address (1151 REGIONAL RD # 25), Survey Address, Municipality (OAKVILLE), County (HALTON), Province (ONTARIO), Country (CANADA), Telephone (905-825-6000), Fax (905-693-1316), and E-mail (Adrian.Mohammed@Halton.ca).

3. Client Mailing Address - Complete A and C or B and C

A. Civic Address - Street information (includes street number, name, type and direction)		<input checked="" type="checkbox"/> Same as Client Physical Address	Unit Identifier (identifies type of unit, such as suite & number)	
B. Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)		
C. Municipality	Postal Station	Province/State	Country	Postal Code

4. Site Information - (location where activity/works applied for is to take place)

Site Name <b>K4513</b>	MOE District Office <b>HALTON-PEEL</b>	Legal Description(attach copy of a legal survey) <b>W/A.</b>			
A. Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction)		<input type="checkbox"/> Same as Client Physical Address	Unit Identifier (identifies type of unit, such as suite & number)		
B. Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory) NOTE: Do not complete "B" if you completed "A."					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.	Lot <b>15</b>	Conc. <b>INDS</b>	Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.	Part Reference Plan	
Non Address Information (includes any additional information to clarify clients' physical location)					
Geo Reference					
Map Datum <b>NAD 83</b>	Zone <b>17</b>	Accuracy Estimate <b>± 10m</b>	Geo Referencing Method <b>ortho-photogrammetry</b>	UTM Easting <b>601915.20</b>	UTM Northing <b>4815996.37</b>
Municipality/Unorganized Township <b>OKAVILLE</b>		County/District <b>HALTON</b>		Postal Code	
Adjacent Land Use <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Agricultural <input type="checkbox"/> Recreational <input type="checkbox"/> Other(specify):			Is the Client the owner or lessee of the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is the Site located on the Oak Ridges Moraine Conservation Area as defined by the Oak Ridges Moraine Conservation Plan (ORMCP), a regulation made under the Oak Ridges Moraine Conservation Act (ORMCA)? <input type="checkbox"/> Yes (if yes please attach proof of Municipal planning approval for the proposed activity/work) <input checked="" type="checkbox"/> No					

5. Landowner Information (if not the client) -Complete A, B, and D or A, C, and D

A. Landowner Name <b>ARGO (NORTH OKAVILLE) LTD C/O MR. GORD BUCK</b>		B. Phone No. <b>905-336-5145</b>		
C. Civic Address - Street information (includes street number, name, type and direction) <b>2173 TURNBERRY RD.</b>		Unit Identifier (identifies type of unit, such as suite & number)		
D. Delivery Designator: <input type="checkbox"/> Rural Route <input checked="" type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)		
E. Municipality <b>HALTON</b>	Postal Station <b>BURLINGTON</b>	Province/State <b>ONTARIO</b>	Country <b>CANADA</b>	Postal Code <b>L7M 4P8</b>

6. Lessee Information (if applicable) - Complete A, B, and D or A, C, and D

Same as Client Mailing Address

A. Lessee Name <b>LARRY BLANET</b>		B. Phone No. <b>905-691-2895</b>	
C. Civic Address - Street information (includes street number, name, type and direction) <b>1075 BURNHAMTHORPE RD WEST</b>			Unit Identifier (identifies type of unit, such as suite & number)
D. Delivery Designator: <input type="checkbox"/> Rural Route <input checked="" type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
E. Municipality <b>HALTON</b>	Postal Station <b>OKVILLE</b>	Province/State <b>ONTARIO</b>	Country <b>CANADA</b>
		Postal Code <b>L6M 4K9</b>	

7. Project Information

Type of Application: <input checked="" type="checkbox"/> New Certificate of Approval <input type="checkbox"/> Amendment to current Certificate of Approval	Current Certificate of Approval No.	Expiry Date of Most recent Certificate of Approval (y/m/d)	Date of issue (y/m/d)
Project Description Summary (If EBR is applicable, this summary will be used in the EBR posting notice) <b>Application of municipal biosolids for agricultural crop production</b>			
Project Name (Project identifier to be used as a reference in correspondence) <b>14513 - HALTON REGION BIOSOLIDS RECYCLING PROGRAM.</b>			
Project Type <input type="checkbox"/> Hauled Sewage(septage) <input checked="" type="checkbox"/> Sewage biosolids <input type="checkbox"/> Other wastes Specify:			
Type of Crops Before appl.: <b>FIELD CROPS</b>		After appl.: <b>FIELD CROPS</b>	
Source of Hauled Sewage/Sewage Biosolids/Other Wastes <input checked="" type="checkbox"/> Municipal <input type="checkbox"/> Provincial <input type="checkbox"/> Private		Type of Hauled Sewage/Processed Organic Waste/Other Waste <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Institutional <input type="checkbox"/> Industrial	
<input type="checkbox"/> Other(specify):		<input checked="" type="checkbox"/> Other(specify): <b>MUNICIPAL BIOSOLIDS</b>	
Amount of Hauled Sewage/Sewage Biosolids at the site, based on a single application proposed to be:		<input checked="" type="checkbox"/> Spread <b>4599m<sup>3</sup></b> (cubic meters) <b>204.4 tonnes</b>	
		<input type="checkbox"/> Stored _____ (cubic meters)	
		<input type="checkbox"/> Disposed _____ (cubic meters)	
Mode of Application <input checked="" type="checkbox"/> Injection <input type="checkbox"/> Surface Spreading <input type="checkbox"/> Other (specify):	Date of Last Application of Waste <b>N/A</b>	Type of Waste applied (paper mill residue (sludge), hauled sewage (septage), grease trap waste, sewage biosolids) <b>N/A.</b>	
Total Site Area(hectares (ha)/acres): <b>28.75 ha</b>	Total Usable Area(hectares/ha)/acres): <b>25.55 ha</b>		
Type of Soil: <b>ONIERA CLAY LOAM</b>	Soil Permeability: <b>SLOW, HYDROLOGIC GROUP C</b>		
Average slope: <input checked="" type="checkbox"/> 0 - 3% (flat) <input type="checkbox"/> 3 - 6% (gentle slope) <input type="checkbox"/> 6 - 9% (moderate slope) <input type="checkbox"/> >9% (steep slope)	Depth to water table: (at time of spreading) <input type="checkbox"/> < one metre <input checked="" type="checkbox"/> > one metre		
Average depth to bedrock: <input type="checkbox"/> 0 - 1.5 metres <input checked="" type="checkbox"/> over 1.5 metres	Distance to nearest well(metres): <b>790m</b>		
Distance to nearest water course(metres): <b>720m</b>	Well Type: <b>TEST WELL / BOPES</b> Depth of well:		
Distance to closest house on-site(metres): <b>790m</b>	Distance to other sensitive land use(metres):		
Distance to closest house off-site(metres): <b>790m</b>	Please specify:		
Distance to nearest residential development(five or more houses in a cluster)(metres): <b>750m</b>			
Proposed Winter Spreading/Storage <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If Yes, <input type="checkbox"/> Storage <input type="checkbox"/> Injection <input type="checkbox"/> Spreading			
is the Site tile drained? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number		Lot <b>15</b>
	Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number the location within that plan. Attach copy of the plan indicating		Conc. <b>I.N.D.S</b>
			Part <b></b>
			Reference Plan <b></b>

**8. Sewage Biosolids & Other Waste Sources**

Estimated Volume Handled on an annual basis:		tonnes: gallons/litres:	15000 dry tonnes	cubic metres:	265000 m <sup>3</sup>
Plant/Facility Name	Plant/Facility Owner	Plant/Facility Type			
6- Halton Region NWTP's	REGION OF HALTON	ANAEROBIC WASTEWATER TREATMENT			
Civic Address- Street Information (applies to an address that has civic numbering and street information includes street number, name, type and direction)				Unit Identifier (identifies type of unit, such as suite & number)	
1151 REGIONAL RD # 25					
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Lot	Conc.	Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.	
Municipality/Unorganized Township	County/District	Province/State	Country	Postal Code	
OAKVILLE	HALTON	ONTARIO	CANADA	L6M 3L1	
Telephone Number (including area code & extension)		Fax Number (including area code)		E-mail Address	
905-925-6000 x4491		905-693-1316		Adrian.Mohammed@Halton.ca	

**9. Other Approvals**

List the Certificate of Approval number(s) for the Waste Management System associated with this application (if available at the time of the application)

1087 - SLX JV - Systems  
A680210 - BMC Storage

**10. Supporting Information Checklist - This is a list of all supporting information to this application and is subject to the FOI/OPA.**

Supporting information	Attached	Reference	Can be disclosed
Proof of Legal Name of Client	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Sketch of the site showing relevant features, structures, setback areas, sensitive uses and spreading areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Topographical map showing site location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Other Attached Information	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

**11. Payment Information**

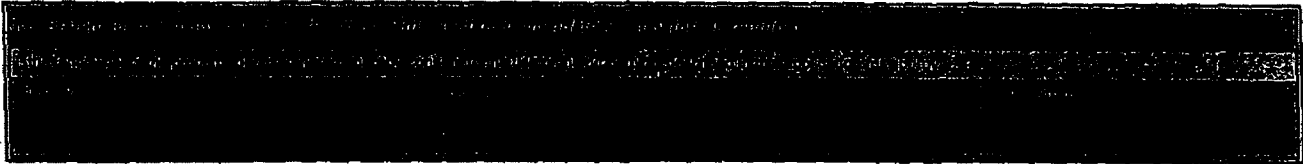
Amount Enclosed: \$ 100.00 Please attach completed "Costs for EPA s.27 Applications - Supplement to Application for Approval" (PIBS 4186).

**12. Statement of Client**

I, the undersigned hereby declare that, to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate in every way and that the Project Technical Information Contact identified in section 5 of this form is authorized to act on my behalf for the purpose of obtaining approval under Section 27 of the EPA for the waste disposal site identified herein.

Client Name	Signature	Date (y/m/d)
Adrian Mohammed		June 5/08





14. Statement of Lessee (if applicable)

Client Name	Signature	Date (y/m/d)
LARRY BLANEY		2007 11 15

15. Payment Information

Method of Payment	Amount enclosed
<input checked="" type="checkbox"/> Certified Cheque <input type="checkbox"/> Money Order	\$ 100.00

**BIOSOLIDS APPLICATION FOR CROP PRODUCTION**

Applicant (Farmer): LARRY BLAWY

Telephone Number: 905-691-2895

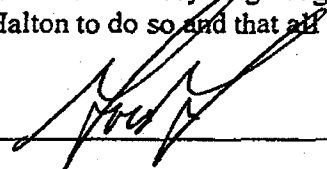
Site Number: 164513

Property Location: City/Town: OKVILLE

Concession: I N.O.S

Lot: 15 Part: \_\_\_\_\_

I, ALAN (NORTH OKVILLE 1711) LTP (print), being the OWNER [ ] or DESIGNATE [X] of the above-noted property have the authority and allow the application of Biosolids for crop production onto this farmland through the Region of Halton Biosolids Recycling Program, provided that the Ministry of the Environment issue an approval to the Halton to do so and that all the Ministry Guidelines are met.

Signature: 

Address: SEC 700, 4145 NORTH SERVICE Rd  
BURLINGTON, ON L7L 6A3

Telephone No.: 905-336-5145

Date: JUNE 23, 08

Please return this form to:

The Regional Municipality of Halton  
Attention: Peter Morden  
1151 Bronte Road  
Oakville, Ontario  
L6M 3L1



**AGRI-FOOD  
LABORATORIES**

Unit 1, 503 Imperial Road North, Guelph, Ontario N1H 6T9 (519) 837-1600

**AgTest Farm Soil Report**

**AgTest®**

TERRATEC ENVIRONMENTAL-HAMILTON - Mark, Larry Blaney Site OI Report# 308926

Page 1 of 1

Sample ID	Lab #	pH	BpH	Total Salts mmhos/cm	Organic Matter %	Nitrogen NO3-N ppm	Phosphorus - P ppm Sodium Bicarb.	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm	Base Saturation		
											K%	Mg%	Ca%
1 - Site Oiliscinds	2243906	7.0 ✓					34	73	111				
2	2243907	7.1 ✓					10	64	149				
3	2243908	6.4 ✓	6.9				10	93	192				
			<i>MLL 03-08-25</i>										
Sample ID	Zinc Zn ppm	Zn Index	Manganese Mn ppm	Mn Index	Copper Cu ppm	Iron Fe ppm	Boron B ppm	Texture	Cation Exchange MEQ/100g	K%	Mg%	Ca%	H%
1							0.48 ✓	M					
2							0.43 ✓	M					
3							0.50 ✓	F					
							<i>MLL 03-08-25</i>						
Sample ID	Sodium Na ppm	Sulphate SO4 ppm	Chloride Cl ppm	Aluminum Al ppm	K/Mg Ratio	Exchangeable Acidity							
1					0.7								
2					0.4								
3					0.5								

Copy Sent To:

Email

TERRATEC ENVIRONMENTAL-HAMILTON - Mark, Larry  
Blaney Site Oiliscinds  
200 Eastport Blvd.  
Hamilton, ON  
L8H7S4

Date Received: 28-Nov-2007  
Date Printed: 03-Dec-2007

Your personal information is managed according to the Privacy Act. We will not willfully disclose individually identifiable information.

111

# Final Report



Report Date: December 07, 2007

Submission #: L07-058106

Attn: MARK JANIEC  
TERRATEC ENVIRONMENTAL LIMITED  
200 EASTPORT BLVD  
HAMILTON, ON L8H 7S4

TERRATEC ENVIRONMENTAL LIMITED  
ACCOUNTS PAYABLE  
200 EASTPORT BLVD  
HAMILTON ON L8H 7S4

Phone: (905) 875-9748  
Fax: 1(905) 878-4180

Phone: (905) 544-0444  
Fax: 1(905) 544-0266

Job #: 12401  
Notation #: 00537

## Soil and Nutrient

Sample ID	Submitter ID	As	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Zn
-0945118	OLISCND8	3.5 ✓	<1.0 ✓	9.7 ✓	23 ✓	17 ✓	<0.05 ✓	<2.5 ✓	18 ✓	20 ✓	<1.0 ✓	71 ✓
-0945117	K4512	4.4	1.1	12	29	19	<0.05	<2.5	24	26	<1.0	80
-0945118	K4321	3.9	1.2	12	30	21	<0.05	<2.5	23	25	<1.0	93
-0945119	K4151	4.0	1.2	12	33	24	<0.05	<2.5	23	27	<1.0	90
-0945120	M2412	3.8	1.0	12	31	21	<0.05	<2.5	24	24	<1.0	90
-0945121	M2631	3.4	<1.0	9.3	21	22	<0.05	<2.5	18	25	<1.0	130
-0945122	M1420	3.8	1.0	12	27	20	<0.05	<2.5	22	24	<1.0	79
-0945123	ML2C7	2.8	1.0	12	30	19	<0.05	<2.5	23	22	<1.0	82
-0945124	M2459	2.9	<1.0	11	32	18	<0.05	<2.5	22	22	<1.0	87
-0945125	M2448	2.8	1.0	13	35	18	<0.05	<2.5	25	24	<1.0	92
-0945126	M2437	2.2	1.1	12	32	17	<0.05	<2.5	23	22	<1.0	93
-0945127	M2449	3.4	1.1	13	32	20	<0.05	<2.5	23	27	<1.0	100
MOE limits (soil)		14	1.6	20	120	100	0.5	4	32	60	1.6	220
MOE limits (waste)		170	34	340	2800	1700	11	94	420	1100	34	4200

*Mc  
2008-08-25*

**Notes & Details:**

All units are mg/kg dry.

Legend: NA - Not Analyzed, ND - Not Detected, UNS - Unsuitable, < MDL - < Method Detection Limit, TR - Trace, TNTC - Too numerous to count, NQ - Non-quantifiable, INS - Insufficient, >ULQ - > Upper limit of quantitation

SM  
SF

## BIOSOLIDS LABORATORY ANALYSES

Regional Municipality of Halton Biosolids Recycling Program

WWTP: Skyway

YEAR: 2007/8

Month	Cu (mg/L)	Cd (mg/L)	Cr (mg/L)	Se (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Zn (mg/L)	As (mg/L)	Hg (mg/L)	Co (mg/L)
May-07	16.8	0.23	3.64	0.04	0.23	0.97	0.63	12.8	0.16	0.02	0.11
June-07	20.2	0.39	4.48	0.06	0.33	0.85	0.67	13.6	0.22	0.89	0.12
July-07	18.2	0.47	3.19	0.06	0.36	0.63	0.63	12.7	0.02	0.00	0.11
August-07	21.5	0.25	3.68	0.06	0.59	0.75	0.80	15.5	0.22	0.02	0.14
September-07	14.1	0.03	2.56	0.04	0.43	0.71	0.53	11.2	0.13	0.03	0.09
October-07	14.4	0.01	2.86	0.05	0.35	0.80	0.56	12.2	0.14	0.00	0.10
November-07	18.8	0.04	3.19	0.06	0.32	0.89	0.65	13.4	0.23	0.02	0.14
December-07	23.4	0.05	3.47	0.06	0.36	0.97	0.92	16.3	0.30	0.01	0.18
January-08	20.0	0.02	2.74	0.04	0.31	0.57	0.79	14.2	0.29	0.02	0.18
February-08	13.6	0.01	1.86	0.05	0.22	0.34	0.56	8.8	0.27	0.01	0.10
March-08	14.945	0.0105	2.06	0.0515	0.21375	0.42925	0.61575	10.395	0.262	0.273	0.097
April-08	11.12	0.0122	1.5678	0.0505	0.1432	0.3372	0.537	9.926	0.358	0.007215	0.078
2007/8 Average	17.26	0.13	2.94	0.05	0.32	0.89	0.66	12.58	0.22	0.11	0.12
2007/8 NH3-N/Metal Ratio	46.2	6300.28	271.45	15600.90	2496.99	1160.29	1213.87	63.4	3678.98	7348	6658.52
NH3-N/Metal Guideline Minimum	10	500	6.00	500	180	40	15	4	100	1500	50

Month	TP (mg/L)	pH	VS (%)	TS (%)	NH3-N (mg/L)	TKN (mg/L)	Organic N (mg/L)
May-07	870	7.33	56.1	2.19	953	1900	947
June-07	900	7.29	56.0	2.38	909	1940	1031
July-07	724	7.29	56.1	2.05	819	1702	883
August-07	918	7.21	55.9	2.55	741	1800	1059
September-07	825	7.21	56.9	1.69	667	1385	718
October-07	844	7.18	57.3	1.83	640	1374	734
November-07	826	7.22	57.4	2.09	690	1570	881
December-07	991	7.29	56.4	2.75	821	1940	1120
January-08	890	7.29	55.2	2.60	956	2028	1072
February-08	578	7.31	56.1	7.79	824	1620	796
March-08	639	7.33	56.1	2.07	791	1745	954
April-08	593	7.22	57.0	2.01	769	1690	922
2007/8 Average	766.4	7.3	56.4	2.7	798.2	1724.5	926.3

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**BIOSOLIDS LABORATORY ANALYSES**

Regional Municipality of Halton Biosolids Recycling Program

**WWTP: SW Oakville**

**YEAR: 2007/8**

Month	Cu (mg/L)	Cd (mg/L)	Cr (mg/L)	Se (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Zn (mg/L)	As (mg/L)	Hg (mg/L)	Co (mg/L)
October 07	16.3	0.016	3.0	0.032	0.3	0.9	4.6	11.0	0.1	0.050	0.1
November 07	23.0	0.026	5.5	0.042	0.3	2.0	0.6	11.6	0.2	0.001	0.1
December 07	34.4	0.190	8.0	0.043	0.4	2.9	2.8	11.6	0.2	0.023	0.2
January 08	28.9	0.045	8.5	nm	0.2	1.7	0.7	9.2	nm	0.014	0.1
February 08	38.7	0.049	11.8	0.049	0.2	2.8	0.8	11.6	0.2	0.012	0.1
March 08	33.1	0.031	10.9	0.042	0.2	2.5	0.8	9.9	0.2	0.014	0.1
April 08	26.0	0.032	10.0	0.049	0.1	2.7	1.3	10.5	0.2	0.016	0.1
2007/8 Average	28.60	0.06	8.23	0.04	0.26	2.22	1.67	10.76	0.19	0.02	0.11
NH3-N/Metal Ratio	24.8	12826.54	86.24	16594.82	2760.92	319.08	425.65	65.9	3788.67	38347	6601.31
NH3-N/Metal Guideline Minimum	10	500	6.00	500	180	40	15	4	100	1500	50

Month	TP (mg/L)	pH	VS (%)	TS (%)	NH3-N (mg/L)	TKN (mg/L)	Organic N (mg/L)
October 07	538.8	7.3	55.5	1.6	583.5	1160.0	576.5
November 07	602.4	7.2	56.4	1.6	628.8	1264.0	635.2
December 07	990.5	7.2	54.9	1.9	688.0	1375.0	707.0
January 08	585.2	7.1	57.1	1.8	748.2	1486.0	737.8
February 08	694.5	7.2	57.6	2.2	785.0	1725.0	940.0
March 08	590.3	7.3	57.3	1.8	784.8	1660.0	875.3
April 08	602.1	7.3	54.6	2.1	767.8	1591.3	823.5
2007/8 Average	657.7	7.2	56.2	1.8	709.4	1465.9	839.6

**PLEASE NOTE: SW Digestors back online Oct 07**

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**BIOSOLIDS LABORATORY ANALYSES**

**Regional Municipality of Halton Biosolids Recycling Program**

WWTP: **Mid-Halton**

YEAR: **2007/8**

Month	Cu (mg/L)	Cd (mg/L)	Cr (mg/L)	Se (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Zn (mg/L)	As (mg/L)	Hg (mg/L)	Co (mg/L)
May-07	11.1	0.16	1.85	0.05	0.22	0.40	0.66	10.9	0.07	0.01	0.06
June-07	15.7	0.35	2.54	0.05	0.28	0.46	0.84	14.8	0.07	1.60	0.08
July-07	12.3	0.31	1.73	0.06	0.20	0.31	0.84	12.3	0.08	0.00	0.07
August-07	8.5	0.09	1.19	0.03	0.15	0.20	0.48	9.1	0.04	0.04	0.06
September-07	9.5	0.02	1.42	0.04	0.18	0.29	0.56	10.2	0.04	0.03	0.05
October-07	16.8	0.02	2.77	0.05	0.27	0.62	0.98	16.6	0.08	0.00	0.19
November-07	10.2	0.02	1.49	0.05	0.20	0.25	0.64	10.4	0.04	0.00	0.13
December-07	9.8	0.01	1.52	0.04	0.17	0.16	0.55	9.9	0.05	0.01	0.08
January-08	12.9	0.01	1.92	0.05	0.20	0.19	0.58	11.2	0.08	0.01	0.10
February-08	13.5	0.01	1.70	0.05	0.18	0.17	0.45	10.7	0.07	0.02	0.07
March-08	18.2	0.02	2.51	0.04	0.24	0.45	0.95	14.0	0.07	0.06	0.11
April-08	7.6	0.01	1.175	0.04	0.11	0.20	0.31	7.7	0.07	0.01	0.06
2007/8 Average	12.18	0.09	1.88	0.05	0.20	0.31	0.64	11.48	0.06	0.15	0.09
2007/8 NH3-N/Metal Ratio	49.7	7041.96	322.85	13334.50	3030.25	1960.56	953.14	52.8	9657.54	4092	6856.91
NH3-N/Metal Guideline Minimum	10	500	6.00	500	180	40	15	4	100	1500	50

Month	TP (mg/L)	pH	VS (%)	TS (%)	NH3-N (mg/L)	TKN (mg/L)	Organic N (mg/L)
May-07	727	7.15	58.9	1.82	524	1331	807
June-07	955	7.22	57.9	2.32	616	1618	1002
July-07	709	7.17	60.1	1.78	624	1423	799
August-07	479	7.31	60.9	1.34	581	1183	602
September-07	579	7.22	60.6	1.47	577	1218	640
October-07	918	7.16	56.5	2.43	605	1584	979
November-07	556	7.18	60.8	1.63	565	1303	736
December-07	606	7.21	57.2	1.70	549	1285	736
January-08	733	7.25	55.5	2.02	696	1562	866
February-08	714	7.22	57.3	1.96	676	1575	899
March-08	946	7.25	50.5	2.84	662	1659	997
April-08	451	7.16	56.2	1.47	593	1242	649
2007/8 Average	697.60	7.21	57.88	1.90	605.61	1415.10	809.49

**BIOSOLIDS LABORATORY ANALYSES**

**Regional Municipality of Halton Biosolids Recycling Program**

**WWTP:** Georgetown

**YEAR:** 2007/8

Month	Cu (mg/L)	Cd (mg/L)	Cr (mg/L)	Se (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Zn (mg/L)	As (mg/L)	Hg (mg/L)	Co (mg/L)
May-07	19.8	0.03	2.61	0.05	0.19	0.30	1.00	21.4	0.15	0.04	0.11
June-07	21.7	0.05	2.56	0.07	0.20	0.31	1.18	19.5	0.08	n/m	0.09
July-07	21.8	0.05	2.32	0.08	0.21	0.76	1.09	20.7	0.08	0.03	0.07
August-07	23.8	0.04	2.39	0.07	0.24	0.07	0.78	24.6	0.07	0.03	0.07
September-07	25.5	0.04	0.29	0.08	0.23	0.89	1.60	24.0	0.17	0.01	0.08
October-07	19.0	0.03	2.66	0.07	0.19	0.77	0.77	19.3	0.18	0.01	0.07
November-07	21.1	0.03	2.69	0.07	0.17	0.69	0.68	28.1	0.09	0.00	0.07
December-07	19.1	0.03	2.61	0.07	0.17	0.78	0.67	23.6	0.10	0.05	0.08
January-08	20.7	0.03	2.58	0.07	0.18	0.08	0.81	19.2	0.09	0.02	0.09
February-08	18.5	0.03	2.53	0.07	0.16	0.81	0.70	17.3	0.08	0.01	0.07
March-08	17.0	0.02	2.78	0.07	0.17	0.91	0.71	16.8	0.11	0.01	0.10
April-08	16.4	0.02	2.75	0.08	0.17	0.85	0.66	16.2	0.07	0.02	0.11
2007/8 Average	20.36	0.03	2.40	0.07	0.19	0.86	0.89	20.90	0.11	0.02	0.08
2007/8 NH3-N/Metal Ratio	41.6	26390.32	353.75	12153.11	4472.26	1300.29	956.51	40.6	8028.53	41590	10182.16
NH3-N/Metal Guideline Minimum	10	500	6	500	180	40	15	4	100	1500	50

Month	TP (mg/L)	pH	VS (%)	TS (%)	NH3-N (mg/L)	TKN (mg/L)	Organic N (mg/L)
May-07	1375	7.28	56.2	3.52	858	2328	1470
June-07	1360	7.37	56.1	3.43	861	2260	1399
July-07	1263	7.25	56.5	3.26	816	2108	1291
August-07	1248	7.25	56.8	3.22	739	1988	1249
September-07	1276	7.24	55.3	3.50	721	2050	1330
October-07	1105	7.17	56.2	3.10	717	1900	1183
November-07	1039	7.22	55.4	3.09	712	1895	1183
December-07	1100	7.23	56.7	3.20	795	2080	1285
January-08	1196	7.26	57.2	3.39	997	2458	1461
February-08	1165	7.27	58.0	3.19	978	2445	1467
March-08	1164	7.26	52.5	3.61	975	2478	1503
April-08	1227.50	7.27	54.48	3.70	1003	2615	1612
2007/8 Average	1208.79	7.25	55.95	3.35	847.88	2217.00	1388.32



**BIOSOLIDS LABORATORY ANALYSES**

**Regional Municipality of Halton Biosolids Recycling Program**

<b>WWTP:</b>	<b>ACTON</b>
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<b>YEAR:</b>	<b>2007/8</b>
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Month	Cu (mg/L)	Cd (mg/L)	Cr (mg/L)	Se (mg/L)	Mo (mg/L)	Ni (mg/L)	Pb (mg/L)	Zn (mg/L)	As (mg/L)	Hg (mg/L)	Co (mg/L)
May-07	23.6	0.03	2.80	0.05	0.16	0.28	0.80	19.4	0.10	0.01	0.04
June-07	31.0	0.05	3.21	0.08	0.20	0.30	0.86	21.7	0.16	0.01	0.04
July-07	27.8	0.07	1.92	0.05	0.19	0.25	0.78	13.7	0.10	0.01	0.07
August-07	32.5	0.04	2.69	0.06	0.23	0.35	0.95	18.4	0.20	0.02	0.10
September-07	23.6	0.03	2.55	0.08	0.20	0.40	0.85	18.6	0.25	0.02	0.13
October-07	18.1	0.02	1.52	0.06	0.11	0.22	0.76	11.8	0.18	0.01	0.05
November-07	11.9	0.05	1.47	0.05	0.11	0.18	0.41	11.7	0.12	0.00	0.04
December-07	20.9	0.03	1.85	0.05	0.13	0.25	0.75	13.4	0.10	0.01	0.06
January-08	20.3	0.03	1.82	0.05	0.15	0.75	0.53	12.2	0.11	0.01	0.05
February-08	19.1	0.03	1.53	0.05	0.12	0.18	0.55	9.7	0.08	0.01	0.03
March-08	24.3	0.02	1.85	0.06	0.13	0.24	0.80	14.1	0.11	0.01	0.04
April-08	19.5	0.02	1.85	0.05	0.12	0.24	0.63	15.3	0.08	0.01	0.05
2007/8 Average	22.72	0.03	2.09	0.06	0.15	0.30	0.70	14.99	0.13	0.01	0.06
2007/8 NH3-N/Metal Ratio	25.0	18487.11	271.63	9896.16	3677.50	1866.02	807.25	37.9	4312.94	68048	9544.28
NH3-N/Metal Guideline Minimum	10	500	6	500	180	40	15	4	100	1500	50

Month	TP (mg/L)	pH	Vs (%)	TS (%)	NH3-N (mg/L)	TKN (mg/L)	Organic N (mg/L)
May-07	1029	7.12	60.9	2.60	651	1862	1211
June-07	1176	7.24	61.7	2.90	657	1983	1325
July-07	711	7.16	61.4	1.83	574	1411	837
August-07	1010	7.07	53.4	3.18	510	1642	1132
September-07	928	7.12	50.8	3.11	532	1578	1047
October-07	546	7.06	58.4	1.81	447	1140	684
November-07	555	7.04	58.2	3.09	422	1134	711
December-07	700	7.03	61.2	2.08	458	1410	953
January-08	719	7.05	63.1	2.15	582	1642	1060
February-08	689	7.09	61.5	1.94	626	1625	986
March-08	781	7.13	62.0	2.24	685	1802	1117
April-08	858	7.16	60.0	2.35	683	1783	1099
2007/8 Average	806.9	7.1	59.2	2.4	688.9	1884.3	1015.4

Biolab\WWTPS2008.xls

0A-C1-270

Schedule "C"

This Schedule "C" forms a part of Provisional Certificate of Approval A830036.

Biosolids Spreading Operation Data Sheet

Date: JUNE 27, 2003
Site Number: BP4512
Location: REGION: HAMILTON TOWNSHIP, OAKVILLE, LOT: 15, CONC: 1
Owner/Lessee/Tenant: STAN PUTICA (OWNER), FRED BRENNER (LESSEE)
Total area of Site: 29.25 (ha) 72.25 (ac)
Application rate of Biosolids: 6 dry (tonnes/ha) (m3/ha) (Imp. Gallon/ac)
\* target pH of 7.0 \*

CONSTRAINTS AND APPLICATION RATE DURING DRY FIELD CONDITIONS:

Usable area of Site: 81.53 (ha) 53.18 (ac)
Major constraints: ROADSIDE PITCH, DRAINAGE PITCH, HOUSES
Total amount of Biosolids permitted to be applied: 129.18 dry (tonnes) (m3) (Imp. Gallon)

SEASONAL CONSTRAINTS AND APPLICATION RATE DURING WET FIELD CONDITIONS

Usable area of Site during wet weather or wet field conditions: (ha) (ac)
Seasonal constraints: To be determined at time of application
Total amount of Biosolids to be applied during wet weather or wet field conditions: (tonnes) (m3) (Imp. Gallon)

I certify that I have inspected the above Site and that it complies with the standards specified in the Guidelines. I recommend that this site be approved as a Soil Conditioning Site under Provisional Certificate of Approval No. A830036.

The Company's Biosolids Manager or their designate
Based upon:

- (a) the completed Application Form and all supporting information or a copy of a Provisional Certificate of Approval for the Site permitting Biosolids to be utilized at the Site; and
(b) this Biosolids Spreading Operation Data Sheet;

I approve of the addition of this Soil Conditioning Site to Schedule "B" of the Provisional Certificate of Approval No. A830036. No sludge shall be applied to this site beyond July 28, 2008.

The same right to have this approval reviewed by the Environmental Review Tribunal, as is in the original Notice accompanying Provisional Certificate of Approval No. A830036, applies to this approval.

Dated at Burnington, this July 29 day of, 2003

Director, Section 39, EPA

This organic soil conditioning site is approved to receive 8 dry tonnes of soil liming material from Redpath Sugar Refinery from the City of Toronto and subject to conditions attached as Schedule "A"

SCHEDULE "A"

RP4512  
Provisional Certificate of Approval No. S-~~122093-05-02~~ AS 03/08/11

1. This Organic Waste Management System shall be operated in accordance with Certificate of Approval No. A680036 and the application for approval of waste management system, the supporting information, the plans and specifications listed in Schedule "A" and the "Agronomy Guide for Field Crops" OMAFRA publication 811.
2. The company must ensure compliance with all terms and conditions of this Certificate. Any non-compliance constitutes a violation of the act and is grounds for enforcement.
3. The application of Lime shall be such that it does not cause surface runoff, result in ground water contamination.
4. This site shall not receive any biosolids until such time that target soil pH has been attained.
5. Spreading of Lime shall not be carried out when frozen ground conditions prevent the immediate infiltration or incorporation of Lime in the soils; or on ice or snow covered soils; or during rain causing runoff. For spring spreading, fields shall only be used after spring flooding has receded.
6. Testing of soil to determine the effect of the waste material on the soil and changes in soil pH shall be completed after application.
7. The Provisional Certificate of Approval expires once the Lime has been applied.
8. The company must keep written records in order to complete an Annual Report by March 31<sup>st</sup> of each year, covering the previous calendar year. The report shall be prepared and retained at the Company's place of business. This report shall include, but is not limited to:
  - (a) results of all analysis conducted on the Lime, soil and water as required by any conditions of Approval and as described in the Guidelines.
  - (b) a list of all Sites and their locations where the Lime was spread or disposed;
  - (c) a complete and up-to-date record showing when and how much Lime was spread or disposed at each approved Site; and
  - (d) details as to the nature of any spill or upset occurring at the Site, and the action taken for clean-up, correction and prevention of future occurrences.
9. The field shall be cropped in accordance with OMAFRA publication 296, "Field Crop Recommendations"
10. Lime analysis should be made available to the farmer together with a copy of the Certificate of Approval no later than 60 days of issuance of this certificate.
11. Notification of application shall be reported to the Ministry of Environment, Halton-Peel District Office 24 hours prior to commencement of application.

0A-C1-270

Schedule "C"

This Schedule "C" forms a part of Provisional Certificate of Approval A830036.

Biosolids Spreading Operation Data Sheet

Date: JUNE 27, 2003
Site Number: BP4512
Location: REGION: HALTON TOWNSHIP; OAKVILLE, LOT: 15 CONC: 1
Owner/Lessee/Tenant: STAN PUTICA (OWNER), FRED BRENNER (LESSEE)
Total area of Site: 29.25 (ha), 72.25 (ac)
Application rate of Biosolids: 6 dry (tonnes/ha), (m3/ha) (Imp. Gallon/ac)
\* target pH of 7.0 \*

CONSTRAINTS AND APPLICATION RATE DURING DRY FIELD CONDITIONS:

Usable area of Site: 21.53 (ha), 53.18 (ac)
Major constraints: ROADSIDE PITCH, DRAINAGE PITCH, HOUSES
Total amount of Biosolids permitted to be applied: 129.18 dry (tonnes) (m3) (Imp. Gallon)

SEASONAL CONSTRAINTS AND APPLICATION RATE DURING WET FIELD CONDITIONS

Usable area of Site during wet weather or wet field conditions: \_\_\_\_\_ (ha) \_\_\_\_\_ (ac)
Seasonal constraints: To be determined at time of application
Total amount of Biosolids to be applied during wet weather or wet field conditions: \_\_\_\_\_ (tonnes) (m3) (Imp. Gallon)

I certify that I have inspected the above Site and that it complies with the standards specified in the Guidelines. I recommend that this site be approved as a Soil Conditioning Site under Provisional Certificate of Approval No. A830036.

The Company's Biosolids Manager or their designate
Based upon:

- (a) the completed Application Form and all supporting information or a copy of a Provisional Certificate of Approval for the Site permitting Biosolids to be utilized at the Site; and
(b) this Biosolids Spreading Operation Data Sheet;

I approve of the addition of this Soil Conditioning Site to Schedule "B" of the Provisional Certificate of Approval No. A830036. No sludge shall be applied to this site beyond July 28, 2008.
The same right to have this approval reviewed by the Environmental Review Tribunal, as is in the original Notice accompanying Provisional Certificate of Approval No. A830036, applies to this approval.

Dated at BURRINGTON, this JULY 29 day of, 2003

Director, Section 39, EPA

This organic soil conditioning site is approved to receive 8 dry tonnes of soil liming material from Redpath Sugar Refinery from the City of Toronto and subject to conditions attached as Schedule "A"

10 - NUMBER A830036

## SCHEDULE "A"

### Provisional Certificate of Approval No. S-122093-05-02

1. This Organic Waste Management System shall be operated in accordance with Certificate of Approval No. A680036 and the application for approval of waste management system, the supporting information, the plans and specifications listed in Schedule "A" and the "Agronomy Guide for Field Crops" OMAFRA publication 811.
2. The company must ensure compliance with all terms and conditions of this Certificate. Any non-compliance constitutes a violation of the act and is grounds for enforcement.
3. The application of Lime shall be such that it does not cause surface runoff, result in ground water contamination.
4. This site shall not receive any biosolids until such time that target soil pH has been attained.
5. Spreading of Lime shall not be carried out when frozen ground conditions prevent the immediate infiltration or incorporation of Lime in the soils; or on ice or snow covered soils; or during rain causing runoff. For spring spreading, fields shall only be used after spring flooding has receded.
6. Testing of soil to determine the effect of the waste material on the soil and changes in soil pH shall be completed after application.
7. The Provisional Certificate of Approval expires once the Lime has been applied.
8. The company must keep written records in order to complete an Annual Report by March 31<sup>st</sup> of each year, covering the previous calendar year. The report shall be prepared and retained at the Company's place of business. This report shall include, but is not limited to:
  - (a) results of all analysis conducted on the Lime, soil and water as required by any conditions of Approval and as described in the Guidelines.
  - (b) a list of all Sites and their locations where the Lime was spread or disposed;
  - (c) a complete and up-to-date record showing when and how much Lime was spread or disposed at each approved Site; and
  - (d) details as to the nature of any spill or upset occurring at the Site, and the action taken for clean-up, correction and prevention of future occurrences.
9. The field shall be cropped in accordance with OMAFRA publication 296, "Field Crop Recommendations"
10. Lime analysis should be made available to the farmer together with a copy of the Certificate of Approval no later than 60 days of issuance of this certificate.
11. Notification of application shall be reported to the Ministry of Environment, Halton-Peel District Office 24 hours prior to commencement of application.

MINISTRY OF  
ENVIRONMENT

June 30, 2003

JUN 30 2003

Ms. Anna Salemi  
Ministry of the Environment  
4145 North Service Road, Suite 300  
Burlington, ON  
L7L 6A3

HALTON PEEL  
DISTRICT OFFICE

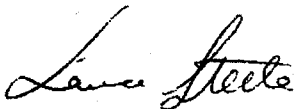
Dear Ms. Salemi,

Please accept this application for a Certificate of Approval for the following site:

Terratec Site #	Lot	Conc.	Township	Source of biosolids	New C of A or amendment?
RP4512	15	1 NDS	Oakville	Redpath Sugar Refinery Lime	New

This site was inspected by your office on June 27th 2003, under site #K4512 for sewage biosolids from Halton Region. A \$100.00 cheque is included to pay the processing fee for this site. Please do not hesitate to call should you require further information with regards to this application.

Yours truly,



Laura Steele B.Sc (Env), A.Ag  
Biosolids Coordinator  
Terratec Environmental Ltd.  
A Subsidiary of American Water Services Canada Corp.



# Application for Approval of a Hauled Sewage (septage) or Processed Organic Waste (biosolids) Disposal Site

Ce formulaire est disponible en français

JUN 30 2003

HALTON PEEL DISTRICT OFFICE

For Office Use Only			
Reference Number	Payment Received \$	Date (y/m/d)	Initials

**General Information and Instructions**

**General:**

Information requested in this form is collected under the authority of the *Environmental Protection Act*, R.S.O. 1990 (EPA) and will be used to evaluate applications for approval of waste management systems under Section 27, EPA.

**Instructions:**

- When completing this form, please refer to the "Guide for Applying for Approval of Waste Management Systems, Section 27, EPA" (referred to as the Guide) and "Guide - Application Cost for Waste Management, S. 27, EPA." Questions regarding completion and submission of the application should be directed to your local District Office of the Ministry of the Environment.
- This form must be completed with respect to all requirements identified in the Guide in order for it to be considered as an application for approval. **INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.**
- A complete application consists of:
  - a completed and signed application form, including the attached "Costs for EPA S. 27 Applications - Supplement to Application for Approval";
  - all required supporting information identified in this form and the Guide, and
  - a certified cheque or money order, in Canadian funds, made payable to the *Minister of Finance* for the applicable application fee.
 The Ministry may require additional information during the technical review of any application accepted as complete.
- The application, along with the supporting information and application fee, must be submitted to the local Ministry District.
- Information contained in this application is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the *Freedom of Information and Protection of Privacy Act* (FOIPPA). If you do not claim confidentiality at the time of submitting the information, the Ministry may make the information available to the public without further notice to you.
- If the Client submits with the application a copy of their Master Business Licence (MBL) obtained from the Ministry of Consumer and Commercial Relations, the shaded sections within this form do not need to be completed. For additional information on the MBL please refer to the "Guide."

**1. Client Information (Owner of works/facility)**

Client Name (Individual or organization as evidenced by legal documents) <b>ENVIRONMENTAL LTD.</b>		Business Identification Number <b>10050-2715RC001</b>
Business Name (the name used which the entity is operating or trading if different from the Client Name - also referred to as trade name)		
Client Type: <input type="checkbox"/> Corporation <input checked="" type="checkbox"/> Individual <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor	<input checked="" type="checkbox"/> Federal Government <input type="checkbox"/> Municipal Government <input type="checkbox"/> Provincial Government <input type="checkbox"/> Other (describe):	Activity Classification Code/Standard Industrial Classification Code (If unknown please complete Business Activity Description)
Business Activity Description (a narrative description of the business endeavour, this may include products sold, services provided or machinery/equipment used, etc.) <b>BIO SOLIDS MANAGEMENT</b>		

**2. Client Physical Address - Complete A, C and D or B, C and D**

A. Civic Address (Street Information) (provide an address that has city, province and street information, includes street number, name, type and direction) <b>9499 REDWATER RD. 2</b>		Link Identifier (Identifies type of link, such as name & number)	
B. Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)			
Lot and Concl.: used to indicate location within a subdivided township and consists of a lot number and a concession number.	Lot	Concl.	Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.
C. Municipality/Unorganized Township	County/District	Province/State	Country
<b>ORAVILLE</b>	<b>HALTON</b>	<b>ON</b>	<b>CANADA</b>
D. Telephone Number (including area code & extension)		E-mail Address	
<b>(905) 878-2800</b>		<b>(905) 878-7332</b>	

3. Client Mailing Address - Complete A and C or B and C

A. Civic Address - Street information (includes street number, name, type and direction) <input type="checkbox"/> Same as Client Physical Address		Unit Identifier (identifies type of unit, such as suite & number)	
200 EASTPORT BLVD			
B. Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
C. Municipality: Hamilton		Postal Station: Hamilton	Province/State: ON
		Country: CANADA	Postal Code: L8H 7S4

4. Site Information - (location where activity/works applied for is to take place)

Site Name: MOE District Office		Legal Description (attach copy of a legal survey): HALTON-PEEL	
A. Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction) <input type="checkbox"/> Same as Client Physical Address		Unit Identifier (identifies type of unit, such as suite & number)	
B. Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory) NOTE: Do not complete "B" if you completed "A."			
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.	Lot: 15	Conc.: 1 NDS	Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.
Address Information (includes any additional information to clarify clients' physical location): NE corner of the intersection of Sixth Line & Dundas St.			
Map Datum: NAD 83	Zone: 17	Accuracy Estimate: ± 10m	Geo Referencing Method: ORTBIO - PHOTOS
Municipality/Unorganized Township: OAKVILLE		County/District: HALTON	Postal Code: L9J 4Z2
Adjacent Land Use: <input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Agricultural <input type="checkbox"/> Recreational		Is the Client the owner or lessee of the site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Other (specify):			

5. Landowner Information (if not the client) - Complete A, B, and D or A, C, and D  Same as Client Mailing Address

A. Landowner Name: STAN PUTICA		Unit Identifier (identifies type of unit, such as suite & number)	
B. Civic Address - Street information (includes street number, name, type and direction): 3483 SIXTH LINE			
C. Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
D. Municipality: HALTON		Postal Station: OAKVILLE	Province/State: ON
		Country: CANADA	Postal Code: L6J 4Z2

6. Lessee Information (if applicable) - Complete A, B, and D or A, C, and D  Same as Client Mailing Address

A. Lessee Name: FRED BREMNER		Unit Identifier (identifies type of unit, such as suite & number)	
B. Civic Address - Street information (includes street number, name, type and direction): P.O. Box 154			
C. Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
D. Municipality: HALTON		Postal Station: OAKVILLE	Province/State: ON
		Country: CANADA	Postal Code: L9J 4Z5



7. Project Information

Type of Application: <input checked="" type="checkbox"/> New Certificate of Approval <input type="checkbox"/> Amendment to current Certificate of Approval		Current Certificate of Approval Number	Date of Issue (y/m/d)
Project Description Summary (If EBR is applicable, this summary will be used in the EBR posting notice)			
SURFACE APPLICATION OF CALCIUM CARBONATE LIME FROM REDPATH SUGAR REFINERY IN TORONTO FIELD #2803, #2804 WILL BE LIMED ACCORDING TO OMAF PUBLICATION 811. LIME WILL BE INCORPORATED WITHIN 24 HOURS.			
Project Name (Project identifier to be used as a reference in correspondence) RP 4578			
Project Type <input type="checkbox"/> Hauled Sewage(septage) Disposal Site		<input checked="" type="checkbox"/> Processed Organic Waste (biosolids) Disposal Site	
Source of Hauled Sewage/Processed Organic Waste <input type="checkbox"/> Municipal <input type="checkbox"/> Provincial <input type="checkbox"/> Private		Type of Hauled Sewage/Processed Organic Waste <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Institutional <input type="checkbox"/> Industrial	
Other(specify): REDPATH SUGAR REFINERY		Other(specify): CALCIUM CARBONATE LIME	
Amount of Hauled Sewage/Processed Organic Waste Proposed to be Spread, Stored or Disposed at the Site based on a single application: (cubic inches) 129.18 dry tonnes.			
Total Site Area(hectares (ha)): 29.25 ha (72.25A)		Total Usable Area(hectares(ha)): 21.53 ha (53.18A)	
Type of Soil: ONEA CLAY LOAM/CHINQUAPON CLAY LOAM		Soil Permeability: SLOW - VERY SLOW	
Average slope: <input type="checkbox"/> 0 - 3% (flat) <input checked="" type="checkbox"/> 3 - 6% (gentle slope) <input type="checkbox"/> 6 - 9% (moderate slope) <input type="checkbox"/> > 9% (steep slope)			
Depth to water table: <input type="checkbox"/> < one metre <input checked="" type="checkbox"/> > one metre		Average depth to bedrock: <input type="checkbox"/> 0 - 1.5 metres <input checked="" type="checkbox"/> Over 1.5 metres	
Is the Site tile drained? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO			
Distance to nearest water course(metres): 10m (setback)		Distance to nearest well(metres): 15m (setback - drilled well)	
Distance to closest house on-site(metres): 25m (setback)		Well Type: dug, drilled	
Distance to closest house off-site(metres): 25m (setback)		Distance to other sensitive users(metres): n/a	
Distance to nearest residential development(two or more houses in a cluster)(metres): 90m (setback as per inspection).			
Proposed Winter Spreading/Storage <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If Yes, <input type="checkbox"/> Storage <input type="checkbox"/> Injection <input type="checkbox"/> Spreading		Rate of application 6 dry tonnes/ha (litres/square metre/seven day period)	
* based on target pH of 7.0			

8. Processed Organic Waste Source

Estimated Volume Handled on an annual basis:    tonnes: 90 000    cubic metres:		
Plant/Facility Name REDPATH SUGARS	Plant/Facility Owner LATEX LYLE	Plant/Facility Type SUGAR REFINERY
Civic Address- Street information (applies to an address that has civic numbering and street information includes street number, name, type and direction)		Unit Identifier (identifies type of unit, such as suite & number)
95 QUEEN'S QUAY EAST		
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)		
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.	Lot    Conc.	Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.
Municipality/Unorganized Township TORONTO	County/District TORONTO	Province/State ON
	Country CANADA	Postal Code M5E 1A3
Telephone Number (including area code & extension) (416) 366-3561	Fax Number (including area code) (416) 366-7550	E-mail Address

**9. Other Approvals**

List the Certificate of Approval number(s) for the Waste Management System associated with this application (if available at the time of the application)

A830036

**10. Supporting Information Checklist - This is a list of all supporting information to this application and is subject to the FOI/POPA.**

Supporting Information	Attached	Reference	Can be disclosed
Proof of Legal Name of Client	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sketch of the site showing relevant features, structures, setback areas, sensitive uses and spreading areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Topographical map showing site location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Other Attached Information	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

**11. Application Fee (check appropriate categories)**

Category Code	Category Description	Amount	Quantity	Sub Total
		\$ 100.00	1	\$ 100.00
Total:				\$ 100.00

**12. Statement of Client**

I, the undersigned hereby declare that, to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate in every way and that the Project Technical Information Contact identified in section 6 of this form is authorized to act on my behalf for the purpose of obtaining approval under Section 27 of the EPA for the waste disposal site identified herein.

Client Name Mark Janic Tetrac Environmental Ltd.	Signature 	Date (y/m/d) JUNE 27, 2003
--	--	-------------------------------

**13. Statement of Landowner (if not the client)**

I, the landowner of the property identified herein, hereby consent to the use of the property as described in this application for approval.

Client Name Stan Putica	Signature * RIGHT OF USE ATTACHED *	Date (y/m/d)
----------------------------	--	--------------

**14. Statement of Lessee (if applicable)**

I, the lessee of the property identified herein, hereby consent to the use of the property as described in this application for approval.

Client Name Fred Bremner	Signature 	Date (y/m/d)
-----------------------------	---	--------------

**15. Payment Information (including VISA or Mastercard information) NOTE: VISA & Mastercard accepted for payments UNDER \$1000.00 only.**

Name (please print)	Signature	
VISA or Mastercard Number	Expiry Date (m/y)	Amount enclosed \$

**REDPATH LIME  
SCHEDULE "D"**

*This Schedule "D" forms part of Provisional Certificate of Approval Number A830036.*

**Biosolids Application for Crop Production**

As requested by: Fred Bremner. (farmer)

Telephone #: (416) 347-3733

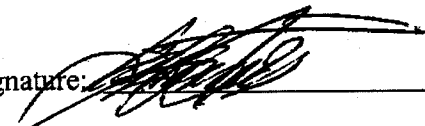
Site #: RP4512.

Property Location:

(City/Town): Oakville

Concession: LINDS, Lot: 15, Part: —

I, STAN PUTICA (print) being the **Land Owner**  or **Designate**  of the above property have the authority and allow the application of the Waste Lime for crop production onto this farmland.

Signature:  Date: June 8/03

Address: 3483 6th Line  
Oakville L1W 4Z2

Telephone #: 905-257-0487.

Please return to the Farmer after approval by the Director, Section 39, Environmental Protection Act.

Schedule "C"

This Schedule "C" forms a part of Provisional Certificate of Approval A830036.

Biosolids Spreading Operation Data Sheet

Date: JUNE 27, 2003
Site Number: BP4512
Location: REGION: HALTON TOWNSHIP: OAKVILLE, LOT: 15 CONC: 1
Owner/Lessee/Tenant: STAN PUTICA (OWNER), FRED BRENNER (LESSEE)
Total area of Site: 29.25 (ha) 72.25 (ac)
Application rate of Biosolids: 6 dry (tonnes/ha) (m3/ha) (Imp. Gallon/ac)

\* target pH of 7.0 \*

CONSTRAINTS AND APPLICATION RATE DURING DRY FIELD CONDITIONS:

Usable area of Site: 91.53 (ha) 53.18 (ac)
Major constraints: ROADSIDE PITCH, DRAINAGE PITCH, HOUSES
Total amount of Biosolids permitted to be applied: 129.18 dry (tonnes) (m3) (Imp. Gallon)

SEASONAL CONSTRAINTS AND APPLICATION RATE DURING WET FIELD CONDITIONS

Usable area of Site during wet weather or wet field conditions: (ha) (ac)
Seasonal constraints: To be determined at time of application
Total amount of Biosolids to be applied during wet weather or wet field conditions: (tonnes) (m3) (Imp. Gallon)

I certify that I have inspected the above Site and that it complies with the standards specified in the Guidelines. I recommend that this site be approved as a Soil Conditioning Site under Provisional Certificate of Approval No. A830036.

The Company's Biosolids Manager or their designate
Based upon:

- (a) the completed Application Form and all supporting information or a copy of a Provisional Certificate of Approval for the Site permitting Biosolids to be utilized at the Site; and
(b) this Biosolids Spreading Operation Data Sheet;

I approve of the addition of this Soil Conditioning Site to Schedule "B" of the Provisional Certificate of Approval No. A830036. No sludge shall be applied to this site beyond

The same right to have this approval reviewed by the Environmental Review Tribunal, as is in the original Notice accompanying Provisional Certificate of Approval No. A830036, applies to this approval.

Dated at , this day of , 200

Director, Section 39, EPA



# AGRI-FOOD LABORATORIES

Unit 1, 503 Imperial Road North, Guelph, Ontario N1H 5T9 (519) 837-1600

K4512  
L31

AgTest Farm Soil Report

K4512  
L35

# AgTest

CINDS Farmer Fred Bremner  
Town Oakville

CINDS Farmer Fred Bremner  
Town Oakville

REGION OF HALTON - Adrian Mohammed, L. Steele-Terralec

Report# 195154

Page 1 of 1

Sample ID	Zinc Zn ppm	Zn Index	Manganese Mn ppm	Mn Index	Copper Cu ppm	Iron Fe ppm	Boron B ppm	Texture	Calcium MgO/100g	K%	Base Saturation Mg% Ca% H%	Potassium K ppm	Magnesium Mg ppm	Calcium Ca ppm
A - K4159														
B - K4159														
A - K4512														
B - K4512														
C - K4512														
	283102		283103		283104		283105		283107			6.3	7.0	250
	283103		283104		283105		283107					6.0	6.8	209
	283104		283105		283107							5.7	6.5	149
	283105											5.9	6.5	144
	283107											6.7		189
Sample ID	Sodium Na ppm	Sulphate SO4 ppm	Chloride Cl ppm	Aluminium Al ppm	K/Mg Ratio	Exchangeable Acidity	Phosphorus - P ppm	Phosphorus - P ppm Sodium Blank	Phosphorus - P ppm	Phosphorus - P ppm	Phosphorus - P ppm	Phosphorus - P ppm	Phosphorus - P ppm	Phosphorus - P ppm
A					0.4			23				107		
B					0.5			24				99		
A					0.6			14				87		
B					0.7			13				94		
C					0.6			18				107		

REGION OF HALTON - Adrian Mohammed,  
L. Steele-Terralec  
Planning & Public Works Department  
1151 Bronte Rd.  
Oakville, ON  
L6M3L1

Copy Sent To:  
Terralec Environmental Ltd. Laura Steele  
Email: lstele@amwater.com

Date Received: 23-May-2003  
Date Printed: 27-May-2003

Fax



Report Date: May 30, 2003

Submission #: L03-018032

Attn: LAURA STEELE  
TERRATEC ENVIRONMENTAL LTD  
200 EASTPORT BLVD  
HAMILTON, ON L8H 7S4

AZURIX NORTH AMERICA  
200 EASTPORT BLVD  
HAMILTON ON L8H 7S4

Phone: (905) 878-2800  
Fax: 1(905) 878-7332

Phone: (905) 544-0444  
Fax: 1(905) 544-0266

PO #: HAL-03-078  
Quotation #: 6

### Soil and Nutrient

Sample ID:	Submitter ID:	As	Cd	Co	Cr	Cu	Hg	Mn	Ni	Pb	Se	Zn
03-0035918	M3549	4.0	<1.0	12	17	20	0.063	<2.5	17	16	<1.0	57
03-0035919	H2523	4.0	<1.0	8.9	14	23	0.067	<2.5	16	14	<1.0	51
03-0035920	H2481	3.5	<1.0	7.6	13	21	0.061	<2.5	14	15	<1.0	46
03-0035921	M2654	3.8	<1.0	12	19	18	0.061	<2.5	19	18	<1.0	59
03-0035922	K4321	3.6	<1.0	10	15	19	0.056	<2.5	18	17	<1.0	55
03-0035923	K4169	3.9	<1.0	11	18	18	0.065	<2.5	19	21	<1.0	59
03-0035924	H3811	3.5	<1.0	7.0	11	22	0.063	<2.5	13	14	<1.0	43
03-0035925	H2416	3.2	<1.0	9.8	14	17	0.084	<2.5	16	15	<1.0	53
03-0035926	K4151	3.6	<1.0	10	17	17	0.077	<2.5	18	20	<1.0	59
03-0035927	B7943	4.7	<1.0	9.2	15	29	0.086	<2.5	18	16	<1.0	100
03-0035928	M1829	3.7	<1.0	12	17	17	0.059	<2.5	19	16	<1.0	58
03-0035929	K4512	3.4	<1.0	10	15	14	0.059	<2.5	17	19	<1.0	54
MOE limits (soil)		14	1.6	20	120	100	0.5	4	32	60	1.6	220
MOE limits (waste)		170	34	340	2800	1700	11	84	420	1100	34	4200

Notes & Details:  
All units are mg/kg.

Legend: NA - Not Analyzed, ND - Not Detected, UNS - Unsuitable, < MDL - Less than Method Detection Limit, TR - Trace

Page 1 of 2

Printed: June 02, 2003

95 Stone Rd. West, Box 3650 - Guelph - Ontario - Canada - N1H 8J7 - www.uoguelph.ca/labscr

P. 81

ID-519 767 6249

86-02-03 12:39 PEST DIAGNOSTIC CLINIC



Ontario

Ministry of the Environment

Application for Approval of a Hauled Sewage (septage) or Processed Organic Waste (biosolids) Disposal Site

Ce formulaire est disponible en français

Table with 4 columns: Reference Number, Payment Received \$, Date (y/m/d), Initials

General Information and Instructions

General:

Information requested in this form is collected under the authority of the Environmental Protection Act, R.S.O. 1990 (EPA) and will be used to evaluate applications for approval of waste management systems under Section 27, EPA.

Instructions:

- 1. When completing this form, please refer to the "Guide for Applying for Approval of Waste Management Systems, Section 27, EPA" (referred to as the Guide) and "Guide - Application Cost for Waste Management, S. 27, EPA." Questions regarding completion and submission of the application should be directed to your local District Office of the Ministry of the Environment.
2. This form must be completed with respect to all requirements identified in the Guide in order for it to be considered as an application for approval. INCOMPLETE APPLICATIONS WILL BE RETURNED TO THE APPLICANT.
A complete application consists of:
(1) a completed and signed application form, including the attached "Costs for EPA S. 27 Applications - Supplement to Application for Approval";
(2) all required supporting information identified in this form and the Guide, and
(3) a certified cheque or money order, in Canadian funds, made payable to the Minister of Finance for the applicable application fee.
The Ministry may require additional information during the technical review of any application accepted as complete.
4. The application, along with the supporting information and application fee, must be submitted to the local Ministry District.
5. Information contained in this application is not considered confidential and will be made available to the public upon request. Information submitted as supporting information may be claimed as confidential but will be subject to the Freedom of Information and Protection of Privacy Act (FOIPPA). If you do not claim confidentiality at the time of submitting the information, the Ministry may make the information available to the public without further notice to you.
3. If the Client submits with the application a copy of their Master Business Licence (MBL) obtained from the Ministry of Consumer and Commercial Relations, the shaded sections within this form do not need to be completed. For additional information on the MBL please refer to the "Guide."

1. Client Information (Owner of works/facility)

Client Name: TOGETHER ENVIRONMENTAL LTD, Business Identification Number: 10050-2715RC001, Business Name: TOGETHER ENVIRONMENTAL LTD, Type: Corporation, Activity Classification Code: Biosolids Management

2. Client Physical Address - Complete A, C and D or B, C and D

A: Civic Address: 944/9 REGINA RD, Unit Identifier: 25, B: Survey Address: Lot and Conc., Part and Reference, C: Municipality: DAVENUE, County/District: HALTON, Province/State: ON, Country: CANADA, Postal Code: L9T 2Y5, D: Telephone Number: (905) 878-2800, Fax Number: (905) 878-7332, E-mail Address:

3. Client Mailing Address - Complete A and C or B and C

A. Civic Address - Street information (includes street number, name, type and direction) <input type="checkbox"/> Same as Client Physical Address		Unit Identifier (identifies type of unit, such as suite & number)	
200 EASTPORT BLVD			
B. Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
C. Municipality	Postal Station	Province/State	Country
HAMILTON	HAMILTON	ON	CANADA
			Postal Code
			L8H 7S4

4. Site Information - (location where activity/works applied for is to take place)

Site Name		MOE District Office		Legal Description (attach copy of a legal survey)	
DAKVILLE		HALTON-PEEL			
A. Site Address - Street information (applies to an address that has civic numbering and street information - includes street number, name, type and direction) <input type="checkbox"/> Same as Client Physical Address			Unit Identifier (identifies type of unit, such as suite & number)		
B. Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory) NOTE: Do not complete "B" if you completed "A."					
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Lot	Conc.	Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.	
		15	1 NDS		
Non Address Information (includes any additional information to clarify clients' physical location)					
NE corner of the intersection of Sixth Line & Dundas St.					
Geo Reference					
Map Datum	Zone	Accuracy Estimate	Geo Referencing Method	UTM Easting	UTM Northing
NAD 83	17	± 10m	ORTHO- PHOTOS	602435.32	4819752.06
Municipality/Unorganized Township		County/District		Postal Code	
DAKVILLE		HALTON		L9J 4Z2	
Adjacent Land Use				is the Client the owner or lessee of the site?	
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Agricultural <input type="checkbox"/> Recreational <input type="checkbox"/> Other (specify):				<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

5. Landowner Information (if not the client) - Complete A, B, and D or A, C, and D  Same as Client Mailing Address

A. Landowner Name			
STAN PUTICA			
B. Civic Address - Street information (includes street number, name, type and direction)		Unit Identifier (identifies type of unit, such as suite & number)	
3483 SIXTH LINE			
C. Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
D. Municipality	Postal Station	Province/State	Country
HALTON	DAKVILLE	ON	CANADA
			Postal Code
			L6J 4Z2

6. Lessee Information (if applicable) - Complete A, B, and D or A, C, and D  Same as Client Mailing Address

A. Lessee Name			
FRED BREMNER			
B. Civic Address - Street information (includes street number, name, type and direction)		Unit Identifier (identifies type of unit, such as suite & number)	
P.O. Box 154			
C. Delivery Designator: <input type="checkbox"/> Rural Route <input type="checkbox"/> Suburban Service <input type="checkbox"/> Mobile Route <input type="checkbox"/> General Delivery		Delivery Identifier (a number identifying a Rural Route, Suburban Service or Mobile Route delivery mode)	
D. Municipality	Postal Station	Province/State	Country
HALTON	OAKVILLE	ON	CANADA
			Postal Code
			L9J 4Z5



7. Project Information

Type of Application: <input checked="" type="checkbox"/> New Certificate of Approval <input type="checkbox"/> Amendment to current Certificate of Approval		Current Certificate of Approval Number	Date of Issue (y/m/d)
Project Description Summary (If EBR is applicable, this summary will be used in the EBR posting notice)			
SURFACE APPLICATION OF CALCIUM CARBONATE LIME FROM REDPATH SUGAR REFINERY IN TORONTO. FIELD #2803, 2804 WILL BE LIMED ACCORDING TO OMAF PUBLICATION 811. LIME WILL BE INCORPORATED WITHIN 24 HOURS.			
Project Name (Project Identifier to be used as a reference in correspondence) RP 4510			
Project Type <input type="checkbox"/> Hauled Sewage(septage) Disposal Site		<input checked="" type="checkbox"/> Processed Organic Waste (biosolids) Disposal Site	
Source of Hauled Sewage/Processed Organic Waste Municipal <input type="checkbox"/> Provincial <input type="checkbox"/> Private		Type of Hauled Sewage/Processed Organic Waste <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input type="checkbox"/> Institutional <input type="checkbox"/> Industrial	
<input checked="" type="checkbox"/> Other(specify): REDPATH SUGAR REFINERY		<input checked="" type="checkbox"/> Other(specify): CALCIUM CARBONATE LIME	
Amount of Hauled Sewage/Processed Organic Waste Proposed to be Spread, Stored or Disposed at the Site based on a single application: (cubic metres)			29.18 dry tonnes.
Total Site Area(hectares (ha)): 29.25 ha (72.25A)		Total Usable Area(hectares(ha)): 21.53 ha (53.18A)	
Type of Soil: ONEPA CLAY LAM/CHIMBWA CONSV CLAY LAM		Soil Permeability: SLOW - VERY SLOW	
Average slope: <input type="checkbox"/> 0 - 3% (flat) <input checked="" type="checkbox"/> 3 - 6% (gentle slope) <input type="checkbox"/> 6 - 9% (moderate slope) <input type="checkbox"/> > 9% (steep slope)			
Depth to water table: <input type="checkbox"/> < one metre <input checked="" type="checkbox"/> > one metre		Average depth to bedrock: <input type="checkbox"/> 0 - 1.5 metres <input checked="" type="checkbox"/> over 1.5 metres	
Is the Site tile drained? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO			
Distance to nearest water course(metres): 10m (setback)		Distance to nearest well(metres): 15m (setback - drilled well)	
Distance to closest house on-site(metres): 25m (setback)		Well Type: dug, drilled	
Distance to closest house off-site(metres): 25m (setback)		Distance to other sensitive users(metres): n/a	
Distance to nearest residential development(two or more houses in a cluster)(metres): 90m (setback as per inspection).			
Proposed Winter Spreading/Storage <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No    If Yes, <input type="radio"/> Storage <input type="radio"/> Injection <input type="radio"/> Spreading		Rate of application 6 dry tonnes/ha (litres/square metre/seven day period)	
* based on target pH of 7.0			

8. Processed Organic Waste Source

Estimated Volume Handled on an annual basis:		tonnes: 90 000	cubic metres:
Plant/Facility Name REDPATH SUGARS	Plant/Facility Owner TATE & LYLE	Plant/Facility Type SUGAR REFINERY	
Civic Address- Street Information (applies to an address that has civic numbering and street information includes street number, name, type and direction)			Unit identifier (identifies type of unit, such as suite & number)
95 QUEEN'S QUAY EAST			
Survey Address (used for a rural location specified for a subdivided township, an unsubdivided township or unsurveyed territory)			
Lot and Conc.: used to indicate location within a subdivided township and consists of a lot number and a concession number.		Part and Reference: used to indicate location within an unsubdivided township or unsurveyed territory, and consists of a part and a reference plan number indicating the location within that plan. Attach copy of the plan.	Part Reference Plan
Municipality/Unorganized Township TORONTO	County/District TORONTO	Province/State ON	Country Postal Code CANADA MSE 1A3
Telephone Number (including area code & extension) (416) 366-3561		Fax Number (including area code) (416) 366-7550	E-mail Address

**9. Other Approvals**

List the Certificate of Approval number(s) for the Waste Management System associated with this application (if available at the time of the application)

A830036

**10. Supporting Information Checklist - This is a list of all supporting information to this application and is subject to the FOI/POPA.**

Supporting Information	Attached	Reference	Can be disclosed
Proof of Legal Name of Client	<input type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Sketch of the site showing relevant features, structures, setback areas, sensitive uses and spreading areas	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Topographical map showing site location	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No
Other Attached Information	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No

**Application Fee (check appropriate categories)**

Category Code	Category Description	Amount	Unit	Quantity	Sub Total
		\$ 100.00		1	\$ 100.00
<b>Total:</b>					<b>\$ 100.00</b>

**12. Statement of Client**

I, the undersigned hereby declare that, to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate in every way and that the Project Technical Information Contact identified in section 5 of this form is authorized to act on my behalf for the purpose of obtaining approval under Section 27 of the EPA for the waste disposal site identified herein.

Client Name Mark Janic Lustrac Environmental Ltd.	Signature 	Date (y/m/d) JUNE 27, 2003
---	---------------	-------------------------------

**13. Statement of Landowner (if not the client)**

I, the landowner of the property identified herein, hereby consent to the use of the property as described in this application for approval.

Client Name Stan Rutica	Signature 	Date (y/m/d) * RIGHT OF USE ATTACHED *
----------------------------	---------------	---

**14. Statement of Lessee (if applicable)**

I, the lessee of the property identified herein, hereby consent to the use of the property as described in this application for approval.

Client Name Fred Bremner	Signature 	Date (y/m/d)
-----------------------------	---------------	--------------

**15. Payment Information (including VISA or Mastercard information) NOTE: VISA & Mastercard accepted for payments UNDER \$1000.00 only.**

Name (please print)	Signature	
VISA or Mastercard Number	Expiry Date (m/y)	Amount enclosed \$



# AGRI-FOOD LABORATORIES

Unit 1, 503 Imperial Road North, Guelph, Ontario N1H 6T7 (519) 837-1400

K4512  
L31

C1INDS

AgTest Farm Soil Report

K4512  
L35

Farmer Fred Bremner  
TOWN OAKVILLE

Farmer Fred Bremner  
TOWN OAKVILLE

# AgTest

REGION OF HALTON - Adrian Mohammed, L. Steele-Terralec

Report# 195154

Page 1 of 1

Sample ID	Zinc Zn ppm	Zn Index	Manganese Mn ppm	Mn Index	Copper Cu ppm	Iron Fe ppm	Boron B ppm	Texture	Calcium Exchange MEQ/100g	KK%	Base Saturation Mg% Ca%	Calcium Ca ppm
A - K4159	283102	6.3	283102	7.0					23		107	250
B - K4159	283103	6.0	283104	6.8					24		99	209
A - K4512	283104	5.7	283105	6.5					14		87	149
B - K4512	283105	5.9	283107	6.5					13		94	144
C - K4512	283107	6.7							18		107	189
A							0.46	F				
B							0.34	M				
A							0.30	M				
B							0.39	M				
C							0.58	M				
Sample ID	Sodium Na ppm	Sulfate SO4 ppm	Chloride Cl ppm	Aluminum Al ppm		KMg Ratio	Exchangeable Acidity					
A						0.4						
B						0.5						
A						0.6						
B						0.7						
C						0.6						

REGION OF HALTON - Adrian Mohammed

L. Steele-Terralec  
Planning & Public Works Department

1151 Bronte Rd.  
Oakville, ON  
L6M3L1

Copy Sent To:

Terralec Environmental Ltd., Laura Steele  
Email: lsteale@airwater.com

Date Received: 23-May-2003  
Date Printed: 27-May-2003

Fax



Report Date: May 30, 2003

Submission #: L03-016032

Attn: LAURA STEELE  
TERRATEC ENVIRONMENTAL LTD  
200 EASTPORT BLVD  
HAMILTON, ON L8H 7S4

AZURIX NORTH AMERICA  
200 EASTPORT BLVD  
HAMILTON ON L8H 7S4

Phone: (905) 878-2800  
Fax: 1(905) 878-7332

Phone: (905) 544-0444  
Fax: 1(905) 544-0266

PO #: HAL-03-078  
Quotation #: 5

### Soil and Nutrient

Sample ID:	Substrate ID:	As	Cd	Co	Cr	Cu	Hg	Mo	Ni	Pb	Se	Zn
03-0035918	M3549	4.0	<1.0	12	17	20	0.063	<2.5	17	16	<1.0	57
03-0035919	H2523	4.0	<1.0	8.9	14	23	0.067	<2.5	18	14	<1.0	51
03-0035920	H2481	3.5	<1.0	7.8	13	21	0.061	<2.5	14	15	<1.0	46
03-0035921	M2654	3.8	<1.0	12	19	18	0.061	<2.5	19	18	<1.0	59
03-0035922	K4321	3.6	<1.0	10	15	19	0.056	<2.5	18	17	<1.0	55
03-0035923	K4159	3.9	<1.0	11	18	18	0.065	<2.5	19	21	<1.0	59
03-0035924	H3611	3.5	<1.0	7.0	11	22	0.063	<2.5	13	14	<1.0	43
03-0035925	H2416	3.2	<1.0	9.8	14	17	0.084	<2.5	16	15	<1.0	53
03-0035926	K4151	3.6	<1.0	10	17	17	0.077	<2.5	18	20	<1.0	58
03-0035927	B7643	4.7	<1.0	9.2	15	29	0.086	<2.5	18	16	<1.0	100
03-0035928	M1829	3.7	<1.0	12	17	17	0.059	<2.5	19	16	<1.0	58
03-0035929	K4512	3.4	<1.0	10	15	14	0.059	<2.5	17	19	<1.0	54
MOE limits (soil)		14	1.6	20	120	100	0.6	4	32	60	1.6	220
MOE limits (waste)		170	34	340	2800	1700	11	84	420	1100	34	4200

Notes & Details:  
All units are mg/kg.

Legend: NA - Not Analyzed, ND - Not Detected, UNS - Unsuitable, < MDL - Less than Method Detection Limit, TR - Trace

Page 1 of 2

Printed: June 02, 2003

95 Stone Rd. West, Box 3650 - Guelph - Ontario - Canada - N1H 8J7 - www.uoguelph.ca/labsrv

PEST DIAGNOSTIC CLINIC 12:39 86-82-83

000063

**TERRATEC ENVIRONMENTAL LTD.**  
 A SUBSIDIARY OF AMERICAN WATER SERVICES  
 CANADA CORP.

---

**FACSIMILE TRANSMITTAL SHEET**

---

<b>TO:</b> Anna Salemi	<b>FROM:</b> Laura Steele
<b>COMPANY:</b> Ministry of the Environment	<b>DATE:</b> AUGUST 1, 2003
<b>FAX NUMBER:</b> 905-319-9902	<b>TOTAL NO. OF PAGES INCLUDING COVER:</b> 1
<b>PHONE NUMBER:</b> 905-319-6539	<b>SENDER'S REFERENCE NUMBER:</b>
<b>RE:</b> Redpath Lime Biosolids Program - 24 Hour Notification	<b>YOUR REFERENCE NUMBER:</b>

---

URGENT     FOR REVIEW     PLEASE COMMENT     PLEASE REPLY     PLEASE RECYCLE

---

NOTES/COMMENTS:

Dear Anna,

Please consider this fax the 24-hour notification required by our Provisional Certificate of Approval S-122093-05-02 for site RP4512 of the Redpath Lime Biosolids Recycling Program. Terratec Environmental intends to spread lime biosolids on this farm on Tuesday August 5th 2003, weather permitting. Please do not hesitate to call if you have any questions or comments.

Yours truly,



Laura Steele  
 Biosolids Coordinator  
 Terratec Environmental Ltd.

---

200 EASTPORT BLVD.  
 HAMILTON, ON L8H 7S4  
 905-878-2800

000066



OAKVILLE

June 2, 2011

Ms. Shaheen Akhtar  
Golder Associates  
2390 Argentia Road  
Mississauga, ON L5N 5Z7



Dear Ms. Akhtar:

**Re: Freedom of Information Request 2011-0026  
Decision Letter**

Your request under the *Municipal Freedom of Information and Protection of Privacy Act (MFIPPA)* was to receive copies of any notices, charges, violations or records of any non-compliance events, complaints, spills or discharge sampling records regarding:

Part of Lot 15, Concession 1, North of Dundas, Geographic Township of Oakville,  
Regional Municipality of Halton.

Access is granted to all records.

In accordance with Section 45 of *MFIPPA* the fee for 15 minutes of search time at \$30.00 per hour is \$7.50. The fee for 2 minutes of preparation time at \$30.00 per hour is \$1.00. The fee for reproducing 4 pages at \$.20 per page totals \$.40. The total fee required to release this documentation is \$8.90. I have included a copy of Section 45 for your information.


If you wish to receive the records authorized for release please forward a certified cheque or money order for \$8.90 made out to the Town of Oakville or, come in person to the Town Hall, Clerk's Department, 1225 Trafalgar Road where we accept cash, debit, Visa, MasterCard and American Express.

You may request that this decision be reviewed by The Information and Privacy Commissioner/Ontario, 2 Bloor Street East, Suite 1400, Toronto, Ontario, M4W 1A8, Telephone: (416) 326-3333 or toll free 1-800-387-0073. Please note that you have 30 days from the receipt of this letter to request a review of the fee estimate. If you decide to request a review of this fee estimate, please provide the Commissioner's office with the following:

- the file numbers listed at the beginning of this letter;
- a copy of this letter;
- copies of the original requests for information you sent to our institution.

If you have any questions or concerns, you can reach me at 905-815-6053.

Yours truly,

A handwritten signature in black ink, appearing to read 'T. Tucker', with a stylized flourish at the end.

Tim Tucker  
Records & Freedom of Information Officer

- c. Cathie L. Best, Town Clerk  
Vicki Tytaneck, Assistant Clerk



OAKVILLE



July 4, 2011

Ms. Shaheen Akhtar  
Golder Associates  
2390 Argentia Road  
Mississauga, ON L5N 5Z7

Dear Ms. Akhtar:

**Re: Freedom of Information Request 2011-0026  
Release Letter**

Thank you for your payment of \$8.90 for the search, preparation and reproduction fees.

Access is granted to the enclosed records.

If you have any questions or concerns, you can reach me at 905-815-6053.

Yours truly,

Tim Tucker  
Records & Freedom of Information Officer

c. Cathie L. Best, Town Clerk  
Vicki Tytaneck, Assistant Clerk





41 Dundas St E [IB]

Folder | Property (1) | People (1) | Info (2) | Fixture | Fee/Charge | Process (4) | Document | File (1) | Inspection Req. | Comment | Attachment

Folder#	Ref
1996 030042 000 00 FS	
1998 161700 000 00 FN	
2003 204726 000 00 IE	
2004 214990 000 00 BF	
2007 104838 000 00 BF	
2007 111180 000 00 BF	
2010 107472 000 00 RC	
2010 111332 000 00 CC	

Gen. Year	Seq.	Type	Sub
20	03	204726	IB Inquiry: By-Law Enforce
Work	In Date	Status	Group
Private Proj	Jun 25, 2003	Active	Call Centre
Details of Problem / Notes to Crew			Row ID
Low lying area behind the playground of Murrins Childcare Center. It borders onto private property. This area is swampy, and there are lots of cedar trees present. Can anything be done to treat the area?			223311
			Priority
			Parent ID

Additional Info	Value
Notify Source	B <input checked="" type="checkbox"/> No
Investigation Type	C <input checked="" type="checkbox"/> Reactive

Property	1. Find	Last	Clear	Folders on Prop.	Property
<input checked="" type="radio"/> Property					
<input type="radio"/> People					
41	Dundas	St	E		
Roll #	2401010030063000000		City	Oakville	
X-Street		Type	Res		
Location	CON 1 NDS PT LOT 15		Name		
	Row ID	3138 Folder Unit			

Process	Started	Ended	Status
Inquiry Received: By-Law	6/25/2003	7/7/2003	1: Closed
By-law Investigation	6/27/2003	7/7/2003	1: Closed
Administrative Action: By-L			Open
Close Folder			Open

People	2. Find	Clear	Same	People
<input type="checkbox"/> Encrypt				
First	Last	Org.	( ) - e	
	ON		Inquirer	

Attempt	User	Result	Co
6/25/2003 09:MAF			

List View Related View Info Library Copy Print Re-Default GIS Email

Change of ownership



Folder #	Ref
1996 030042 000 00 FS	
1998 161700 000 00 FN	
2003 204726 000 00 IB	
2004 214990 000 00 BF	
2007 104838 000 00 BF	
2007 111180 000 00 BF	
2010 107472 000 00 RC	
2010 111332 000 00 CC	

Folder **03 204726 000 00 IB** Process **2005 By-law Investigation**

Property **41 Dundas St E** Inspection #

Status	Closed	Start Date	End Date
User	MAF	Schedule	6/25/2003 00:00:00
Sign Off	MAF	Actual	6/27/2003 15:01:04
Discipline	By-Law Enforcement	BaseLine	6/25/2003 00:00:00

Print Flag  Mandatory  Assign To-Do  Scheduled

Display Order 200 File Location ProcessRSN 1621223 Priority

COMMENTS

Date	User	Comment	Result	Time	Overtime	Unit	Mileage	Expense
6/27/2003 0	MAF	Spoke with John Kwast who indicated that his inspector had checked site and water was draining appropriately.		0.25				

Text Field Editor ( Maximum 4000 characters )

Spoke with John Kwast who indicated that his inspector had checked site and water was draining appropriately.



41 Dundas St E (IB)

Folder | Property (1) | People (1) | Info (2) | Fixture | Fee/Charge | **Process (4)** | Document | File (1) | Inspection Req. | Comment | Attachment

Folder #	Ref
1996 030042 000 00 FS	
1998 161700 000 00 FN	
2003 204726 000 00 IB	
2004 214990 000 00 BF	
2007 104838 000 00 BF	
2007 111180 000 00 BF	
2010 107472 000 00 RC	
2010 111332 000 00 CC	

Folder **03 204726 000 00 IB** Process **2005 By-law Investigation**

Property **41 Dundas St E** Inspection #

Status	Closed	Start Date	End Date
User	MAF	Schedule	6/25/2003 00:00:00
Sign Off	MAF	Actual	6/27/2003 15:01:04
Discipline	By-Law Enforcement	BaseLine	6/25/2003 00:00:00

Print Flag  Mandatory  Assign To-Do  Scheduled

Display Order  File Location  ProcessRSN  Priority

COMMENTS

**Attempt (3)** | Checklist | Memo | Deficiency | Attachment | Dependency | Info | Consent | Insp. Detail

Date	User	Comment	Result	Time	Overtime	Unit	Mileage	Expense
6/27/2003 0	MAF	Spoke with John Kwast who int		0.25				
6/27/2003 1	MAF	Letter sent requiring complianc		0.25				

Text Field Editor ( Maximum 4000 characters )

Letter sent requiring compliance by July 5, 2003, however, later conversation with John Kwast who advises the ground is drying out now.

Rows Returned

List View Related View

Ready



41 Dundas St E (10)

Folder | Property (1) | People (1) | Info (2) | Fixture | Fee/Charge | Process (4) | Document | File (1) | Inspection Req. | Comment | Attachment

Folder#	Ref
1996 030042 000 00 FS	
1998 161700 000 00 FN	
2003 204726 000 00 IB	
2004 214990 000 00 BF	
2007 104838 000 00 BF	
2007 111180 000 00 BF	
2010 107472 000 00 RC	
2010 111332 000 00 CC	

Folder **03 204726 000 00 IB** Process **2005 By-law Investigation**

Property **41 Dundas St E** Inspection #

Status	Closed	Start Date	6/25/2003 00:00:00	End Date	
User	MAF	Schedule	6/25/2003 00:00:00		
Sign Off	MAF	Actual	6/27/2003 15:01:04	7/7/2003 13:32:13	
Discipline	By-Law Enforcement	BaseLine	6/25/2003 00:00:00		

Print Flag  Mandatory  Assign To-Do  Scheduled

Display Order  File Location  ProcessRSN  Priority

COMMENTS

Attempt (3) | Checklist | Memo | Deficiency | Attachment | Dependency | Info | Consent |

Date	User	Comment	Result	Time	Overtime	Unit	Mileage	Expense
6/27/2003 0	MAF	Spoke with John Kwast who inc		0.25				
6/27/2003 1	MAF	Letter sent requiring complianc		0.25				
7/7/2003 13	MAF	Mrs. Pulica called re property		0.5				

Text Field Editor (Maximum 4000 characters)

called re property and indicated that water had drained - with rain overnight was wet again but would drain. she indicated that there was a pond on the property so I directed her to the Region of Halton for information regarding the use of larvicides. Advised inq of actions.

Rows Returned

List View Related View

Ready



May 20, 2011

Public Works  
Wastewater Services  
2195 North Service Road  
Oakville ON L6M 3H8  
Fax: 905 825-4095

Shaheen Akhtar  
Golder Associates Ltd.  
2390 Argentia Road  
Mississauga, Ontario  
L5N 5Z7

Dear Ms. Akhtar:

**RE: Records Review for NE Corner of Sixth Line & Dundas Street (HWY 5), Town of Oakville, Ont.**

---

In response to your correspondence dated May 13, 2011, we have only examined our Industrial Waste files and there are no records of any sanitary sewer discharge violations or spills to the Regional sanitary sewer system for the above noted property.

For any information regarding the Region's "Hazardous Land Use & Chemical Occurrence Inventory", please contact our Senior Project Manager at 905 825-6000 extension 7604.

In addition, we recommend you contact the Ministry of the Environment and the Town of Oakville to determine if the subject site has any outstanding environmental issues.

If you have any questions, please contact the undersigned at 905 825-6000 extension 7724.

Yours truly,

A handwritten signature in black ink, appearing to read "V. Vathy".

Victor Vathy, B.Sc.  
Industrial Waste Abatement Inspector

cc Dave Large, Supervisor, Industrial Waste, Halton Region



The Regional Municipality of Halton



## PROTECTING THE NATURAL ENVIRONMENT FROM LAKE TO ESCARPMENT

2596 Britannia Road West  
Burlington ON L7P 0G3  
905.336.1158 Fax 905.336.7014  
conservationhalton.ca

June 17, 2011

Shaheen Akhtar  
Golder Associates  
2390 Argenta Road  
Mississauga, ON  
L5N 5Z7



### BY MAIL AND BY FAX

Dear Ms. Akhtar:

**Re: Request for Information  
41 Dundas Street East  
Part Lot 15, Concession I (Trafalgar)  
Town of Oakville**

Staff has reviewed the above-noted property inquiry and the following is in response to the specific questions asked in your letter.

The subject property contains a tributary of Sixteen Mile Creek and the hazard lands associated with that watercourse, including floodplain, wetlands and a valley feature. Conservation Halton's regulation limit in this area is 15 metres from the limit of the greatest hazard associated with Sixteen Mile Creek and 120 metres from the limit of a wetland equal to or greater than 2 ha in size. As a result, a portion of the subject property is regulated pursuant to Ontario Regulation 1626/06. For information purposes, Conservation Halton staff has attempted to indicate the subject property on the attached mapping. Please be advised that any development (structures, grading, filling, etc.) within areas regulated pursuant to Ontario Regulation 162/06 requires review and approval from Conservation Halton prior to site alteration.

Staff confirms that to Conservation Halton's knowledge and according to the best information available, no violation notice, nor outstanding infractions or orders have been issued for the above noted property. Please note that this has not been confirmed via site visit by Conservation Halton staff.

Conservation Halton provides peer review advice to the Region of Halton and local municipalities on issues related to the Provincial Policy Statement. Conservation Halton also has a Level II Agreement with the Department of Fisheries and Oceans (DFO) to provide review related to the Fisheries Act. The above comments relate strictly to Conservation Halton's Ontario Regulation 162/06 and more specific comments would be provided at the time of a development application.



Conservation  
ONTARIO  
Natural Champions

A MEMBER OF THE CONSERVATION ONTARIO NETWORK

With regards to any spills or discharge sampling on site, staff suggest you contact the Ministry of the Environment to determine if they have any information on record.

Staff would also like to take this opportunity to note that the subject property is included within the North Oakville Secondary Plan as well as the North Oakville Creeks Subwatershed Study.

We trust the above is of assistance. If you require additional information please contact the undersigned at extension 231.

Yours truly,



Katie Jane Stewart  
Environmental Planning Technician  
KJS/9  
Encl. 2

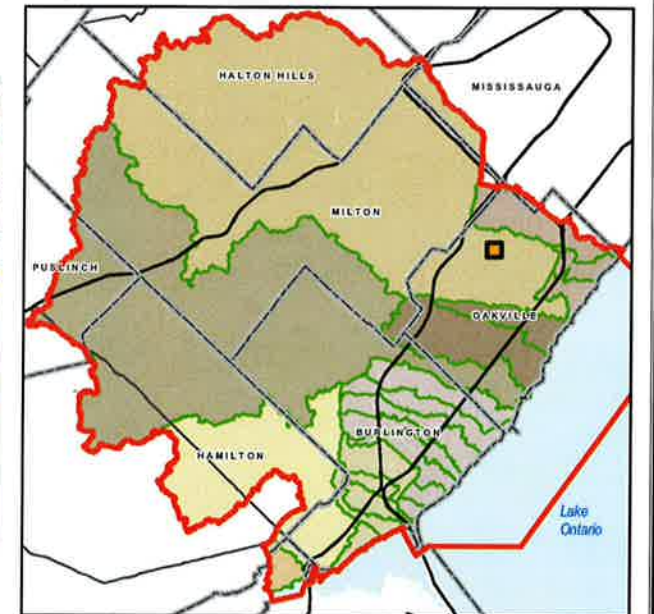
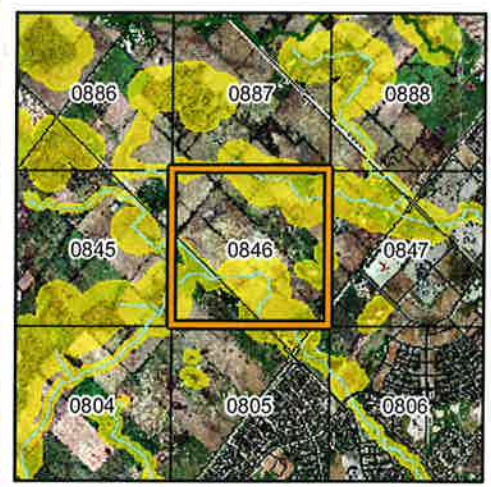


**PROTECTING THE NATURAL ENVIRONMENT FROM LAKE TO ESCARPMENT**

2596 Britannia Road West  
R.R. # 2 Milton, Ontario L9T 2X6  
Internet Address: [www.conservationhalton.on.ca](http://www.conservationhalton.on.ca)  
Phone: (905) 336-1158  
Fax: (905) 336-7014  
Email Address: [admin@hrca.on.ca](mailto:admin@hrca.on.ca)

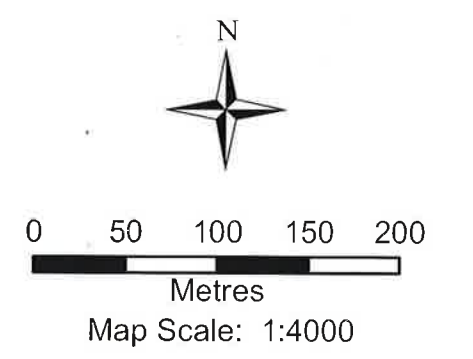
(ONTARIO REGULATION 97/04)  
REGULATION FOR DEVELOPMENT, INTERFERENCE WITH WETLANDS AND ALTERATIONS TO SHORELINES AND WATERCOURSES  
**(ONTARIO REGULATION 162/06)**  
**APPROXIMATE REGULATION LIMIT**

Map Sheet - **0846**



**LEGEND**

- Approximate Regulation Limit / Screening Area
- Regulated Watercourse
- Hydrologic Connection
- HRCA Jurisdiction Limit
- Teranet Property Boundary



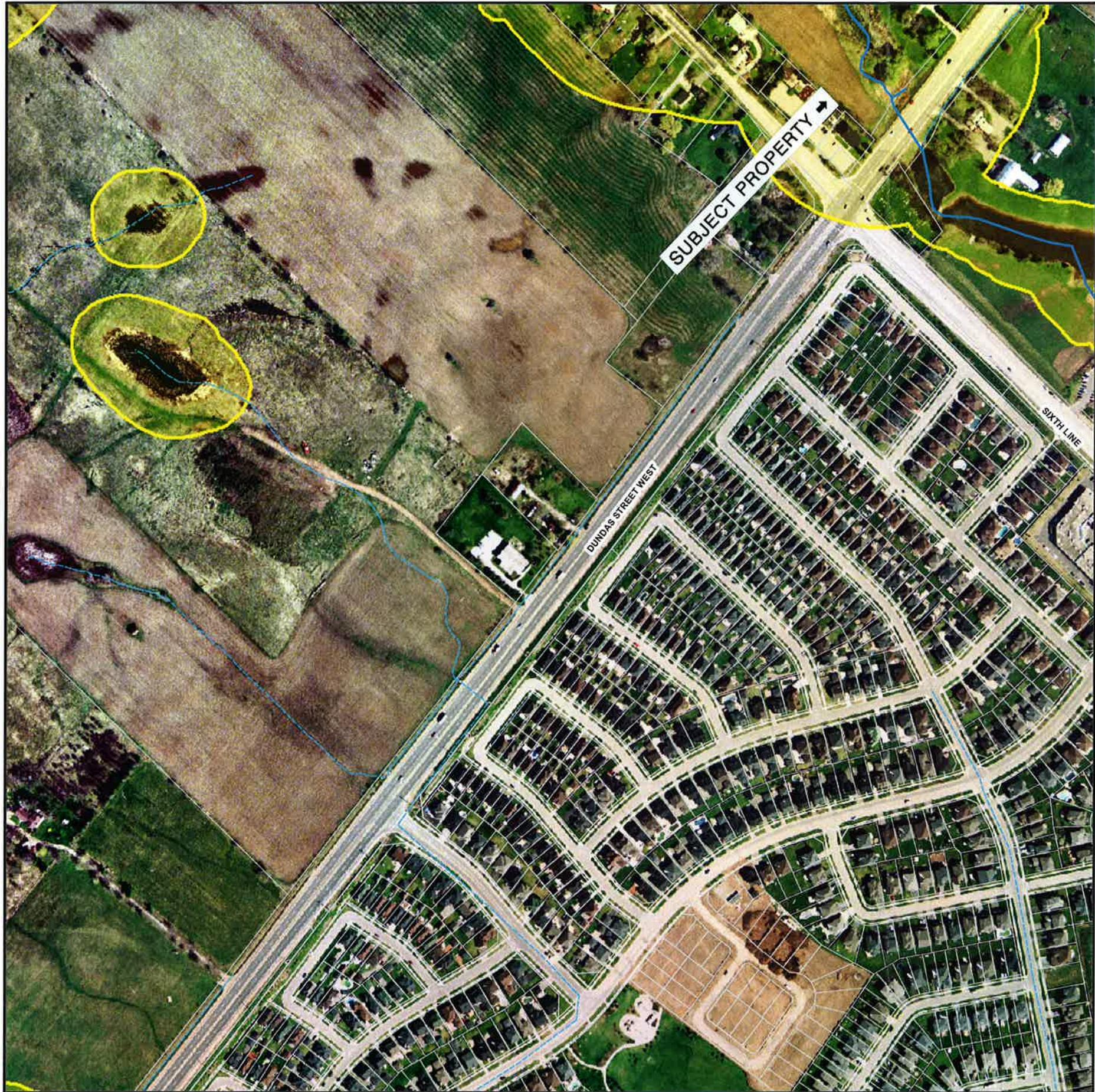
**Note on Stream Type Definitions:**  
'Regulated Watercourses' identify surface and subsurface water features that are regulated by Conservation Halton under Ont. Reg. 162/06. 'Hydrologic Connections' identify creek features that may/may not be considered fish habitat (direct or indirect) as defined by the Fisheries Act. Conservation Halton does not regulate these connections under Ont. Reg. 162/06.

The text of the Regulation takes precedence over the Approximate Regulation Limit. Some regulated features may not appear on the Approximate Regulation Limit mapping. This mapping should be used for information purposes only. The data displayed are derived from sources with different accuracies and all boundaries should therefore be considered approximate. Data on this map is used under license and is protected by copyright for different organizations, including but not limited to Teranet Enterprises Inc. and other agencies.  
Copyright Conservation Halton, January 2008.

**Revision History:**  
Last Update: January 28th, 2008 - A.R.L.  
Print Date: January 29th, 2008

**Previous Updates:**  
\*Approximate Regulation Limit - June 7th, 2007  
\*Approximate Regulation Limit - July 25th, 2006  
\*Approximate Regulation Limit - April 24th, 2006





**PROTECTING THE NATURAL ENVIRONMENT FROM LAKE TO ESCARPMENT**

2596 Britannia Road West  
R.R. # 2 Milton, Ontario L9T 2X6

Internet Address:  
www.conservationhalton.on.ca

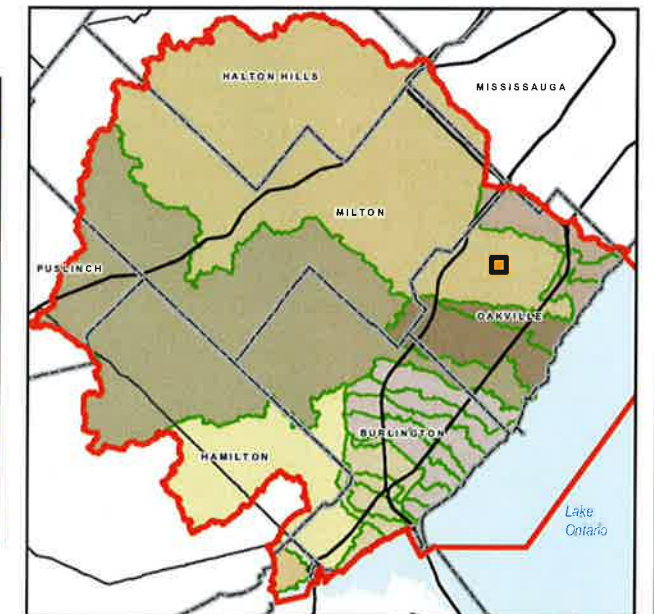
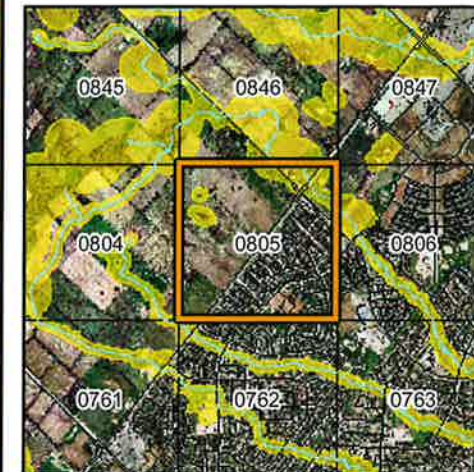
Phone: (905) 336-1158  
Fax: (905) 336-7014

Email Address:  
admin@hrca.on.ca






(ONTARIO REGULATION 97/04)  
REGULATION FOR DEVELOPMENT, INTERFERENCE WITH WETLANDS  
AND ALTERATIONS TO SHORELINES AND WATERCOURSES

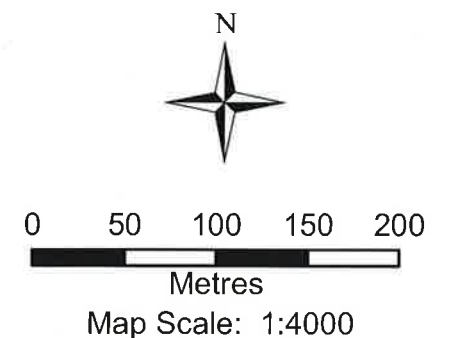
**(ONTARIO REGULATION 162/06)  
APPROXIMATE REGULATION LIMIT**

Map Sheet - **0805**



**LEGEND**

-  **Approximate Regulation Limit / Screening Area**
-  **Regulated Watercourse**
-  **Hydrologic Connection**
-  **HRCA Jurisdiction Limit**
-  **Teranet Property Boundary**



**Note on Stream Type Definitions:**  
'Regulated Watercourses' identify surface and subsurface water features that are regulated by Conservation Halton under Ont. Reg. 162/06. 'Hydrologic Connections' identify creek features that may/may not be considered fish habitat (direct or indirect) as defined by the Fisheries Act. Conservation Halton does not regulate these connections under Ont. Reg. 162/06.

The text of the Regulation takes precedence over the Approximate Regulation Limit. Some regulated features may not appear on the Approximate Regulation Limit mapping. This mapping should be used for information purposes only. The data displayed are derived from sources with different accuracies and all boundaries should therefore be considered approximate. Data on this map is used under license and is protected by copyright for different organizations, including but not limited to Teranet Enterprises Inc. and other agencies.  
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**Revision History:**  
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**Previous Updates:**  
\*Approximate Regulation Limit - June 7th, 2007  
\*Approximate Regulation Limit - July 25th, 2006  
\*Approximate Regulation Limit - April 24th, 2006



# Canada's Primary Environmental Risk Information Service

**Project Site:** Sixth Line Corporation  
Part of Lot 15, Concession 1, North of Dundas Street,  
Geographic Township of Oakville, Regional  
Oakville, ON

**Client:** Shaheen Akhtar  
Golder Associates Ltd.  
2390 Argentia Road  
Mississauga, ON L5N5Z7

**ERIS Project No:** 20110506032

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

**Prepared By:** Rafal Wojtasik  
[rwojtasik@eris.ca](mailto:rwojtasik@eris.ca)

**Date:** May 17, 2011

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## **Table of Contents**

Order Number: 20110506032

Site Name: Sixth Line Corporation

Site Address: Part of Lot 15, Concession 1, North of Dundas Street, Geographic Township of

Report Type: Oakville, Regional Oakville, ON

## Standard Report, 0.25 km Search Radius

**Report Summary** **Section**  
**i**  
*This outlines the number of records from each database that fall on the site, and within various distances from the site.*

**Site Diagram** **ii**  
*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.*

**Site Profile** **iii**  
*This table describes the records that relate directly to the property that is being researched.*

**Detail Report** **iv**  
*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.*

	<b><u>Page</u></b>
Certificates of Approval	<b>1</b>
ERIS Historical Searches	<b>2</b>
Ontario Regulation 347 Waste Generators Summary	<b>3</b>
Record of Site Condition	<b>4</b>
Ontario Spills	<b>5</b>
Water Well Information System	<b>6</b>

Appendix: Database Descriptions

# Report Summary

Order Number: 20110506032  
 Site Name: Sixth Line Corporation  
 Site Address: Part of Lot 15, Concession 1, North of Dundas Street, Geographic T  
 Report Type: Standard 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	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	0	0
CA	Certificates of Approval	Y	0	2	2
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	0	0
DRL	Drill Hole Database	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	2	2
EIIS	Environmental Issues Information System	Y	0	0	0
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	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
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	0	0
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
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	1	1
RST	Retail Fuel Storage Tanks	Y	0	0	0

## Report Summary

Order Number: 20110506032  
Site Name: Sixth Line Corporation  
Site Address: Part of Lot 15, Concession 1, North of Dundas Street, Geographic T  
Report Type: Standard Report, 0.25 km Search Radius

Database		Selected	On-site	Within 0.25	0.25km to 0.25km	Total
SCT	Scott's Manufacturing Directory	Y	0	0	0	0
SPL	Ontario Spills	Y	0	2	0	2
SRDS	Wastewater Discharger Registration Database	Y	0	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0	0
WWIS	Water Well Information System	Y	0	18	0	18
		TOTAL	0	26	0	26

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: Sixth Line Corporation  
Part of Lot 15, Concession 1,  
North of Dundas Street, Geographic  
Township of Oakville, Regional  
Oakville, ON

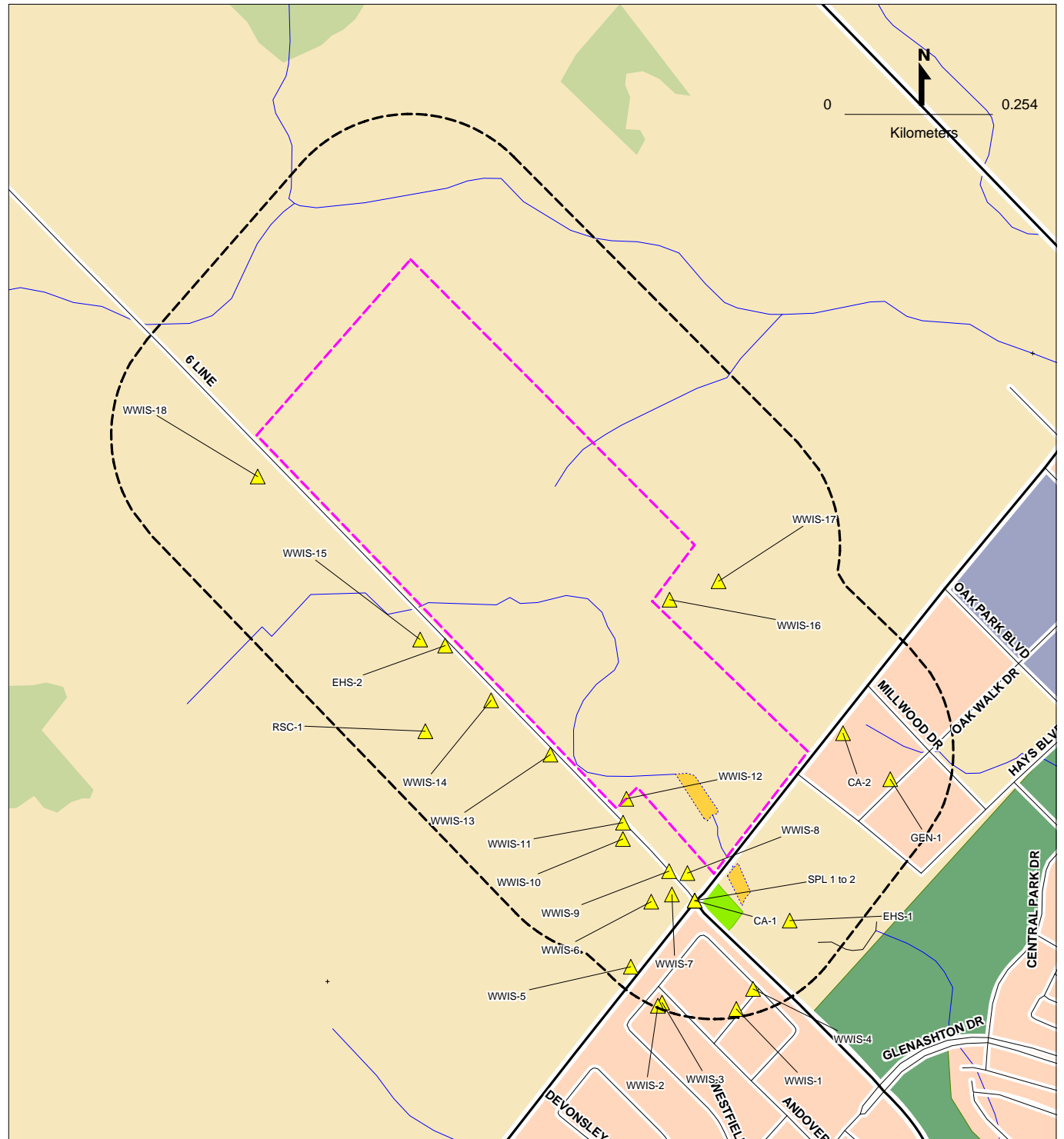
ERIS Project #: 20110506032

Date: MAY-17-2011

**LEGEND**

Project Property	<b>Landuse Classifications</b>
Database Location	Open Area
<b>Points of Interest</b>	Residential
Chimney	Commercial
Silo	Resource and Industrial
<b>Pipe &amp; Transmission Lines</b>	Government and Institutional
Pipeline	Parks and Recreational
Transmission Line	Waterbody
Transmission Tower	<b>Recreation</b>
Transformer Station	Golf Course/Driving Range
<b>Rail</b>	Park/Sports Field
Railway - Main	Other Recreation Area
Railway - Sidetrack	Sports/Race Track
Railway - Abandoned	Cemetery
Bridge	Campground
Tunnel	<b>Vegetation</b>
<b>Transportation - Other</b>	Wooded Area
Embankment	Orchard
Trail	Vineyard
Runway	<b>Industrial Resources</b>
<b>Hydrographic Features</b>	Conveyor
Permanent Waterway	Crane: Moveable
Intermittent Waterway	Crane: Stationary
Open Reservoir	Tank
Dyke/Levee	Rock Cut
Dam	Auto Wrecker
Breakwall	Lumber Yard
Wetland	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: 20110506032

Site Name: Sixth Line Corporation

Site Address: Part of Lot 15, Concession 1, North of Dundas Street, Geographic T

Report Type: Standard Report, 0.25 km Search Radius

FOR COMPLETE INFORMATION, REFER TO DETAIL REPORT

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



## Detail Report

Order Number: 20110506032

Site Name: Sixth Line Corporation

Site Address: Part of Lot 15, Concession 1, North of Dundas Street, Geographic T

Report Type: Standard Report, 0.25 km Search Radius

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

Certificates of Approval

ERIS Historical Searches

Ontario Regulation 347 Waste Generators Summary

Record of Site Condition

Ontario Spills

Water Well Information System

### Certificates of Approval

Map Key	Company	Address	Certificate #	Application Year	Issue Date	Approval Type	Status	Application Type
CA-1	OAKVILLE TOWN	E.SIDE SIXTH LINE/DUNDAS ST. OAKVILLE TOWN	3-0779-99-	99	7/13/1999	Municipal sewage	Approved	
			<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
CA-2	Halton Regional Police Service	90 Dundas St E Oakville L6H 7E1	1345-7VPLRD	2009	9/9/2009	Air	Approved	
			<b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					

## ERIS Historical Searches

---

Map Key	Company	Address	Order No.	Report Date	Report Type	Search Radius (km)
EHS-1		Dundas Street Town of Oakville	20091221007	12/31/2009	Custom Report	0.25
			<b>Addit. Info Ordered:</b>			
EHS-2		Dundas Street West @ Sixth Line Oakville	20080718023	7/29/2008	Custom Report	0.25
			<b>Addit. Info Ordered:</b>	Fire Insur. Maps And /or Site Plans; Title Search; Aerials Photos		

---

### Ontario Regulation 347 Waste Generators Summary

Map Key	Company	Address	SIC Code	SIC Description	Waste Code	Waste Description
GEN-1	Halton Regional Police Service	95 Oakwalk Drive Oakville L6H 0G6			312	Pathological wastes
			<b>Generator #:</b>	ON8592974		
			<b>Approval Yrs:</b>	As of Oct 2010		

### Record of Site Condition

Map Key	Company	Address	Date Submitted	Date Acknowledg.	Date Returned	Soil Type	Restoration Type
RSC-1	Timsin Holding Corporation	Part of Lot 16, Conc 1 North of Dundas Street, Oakville Oakville	Feb 07, 2006				
			<b>Registration #:</b>	2841			
			<b>Stratified (Y/N):</b>				
			<b>Criteria:</b>				
			<b>Consultant:</b>				
			<b>District Office:</b>	OAKVILLE			

### Ontario Spills

Map Key	Company	Address	Ref No.	Incident Dt	MOE Reported Dt	Contaminant Name	Contaminant Quantity
SPL-1	Terratec Environmental Ltd.	FARM FIELD AT NE CORNER OF 6TH LINE AND DUNDAS STREET<UNOFFICIAL> OAKVILLE	1073-5S4PFZ	10/7/2003	10/7/2003	Liquid Sewage	227.5 L
			<b>Incident Summary:</b>	Terratec Env: <50 Gal biosolids spill			
			<b>Incident Cause:</b>	Process Upset			
			<b>Incident Reason:</b>	Equipment Failure			
			<b>Nature of Impact:</b>	Soil Contamination; Surface Water Pollution			
			<b>Receiving Medium:</b>	Land & Water			
			<b>Environmental Impact:</b>	Possible			
SPL-2		6TH LINE SOUTHBOUND FROM HWY. 5<UNOFFICIAL> OAKVILLE	1448- 5NU2UH	6/24/2003	6/24/2003	DIESEL FUEL	
			<b>Incident Summary:</b>	Truck (n.o.s) - diesel fuel to road.			
			<b>Incident Cause:</b>				
			<b>Incident Reason:</b>				
			<b>Nature of Impact:</b>				
			<b>Receiving Medium:</b>	Land			
			<b>Environmental Impact:</b>	Not Anticipated			
n/a	Town of Halton Hills	Halton Regional Police Oakville	5202- 7UDHQV		7/28/2009	DIESEL FUEL	2 tonnes-Imp
			<b>Incident Summary:</b>	TankTek Env'l Services - contam. soil UST			
			<b>Incident Cause:</b>	Tank (Underground) Leak			
			<b>Incident Reason:</b>	Unknown - Reason not determined			
			<b>Nature of Impact:</b>	Soil Contamination			
			<b>Receiving Medium:</b>				
			<b>Environmental Impact:</b>	Confirmed			

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality												
WWIS-1		lot 16 con 1	2802307	016	01	DS S	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602842.6  <b>Northing Nad83:</b> 4814631  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 12/26/1963  <b>Primary Water Use:</b> Not Used  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 54  <b>Pump Rate (gpm):</b>  <b>Static Water Level (ft):</b>  <b>Flow Rate (gpm):</b>  <b>Clear/Cloudy:</b>  <b>Specific Capacity:</b>  <b>Final Well Status:</b> Abandoned-Quality  <b>Construction Method:</b> Cable Tool  <b>Flowing (y/n):</b>  <b>Elevation (m):</b> 169.667099  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 15  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> SALTY  <b>Casing Material:</b> </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>15</td> <td>15</td> <td>BROWN</td> <td>CLAY</td> </tr> <tr> <td>39</td> <td>54</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	15	15	BROWN	CLAY	39	54	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
15	15	BROWN	CLAY																	
39	54	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality												
WWIS-2		lot 16 con 1	2802306	016	01	DS S	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602707.6  <b>Northing Nad83:</b> 4814635  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 9/27/1960  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 68  <b>Pump Rate (gpm):</b> 1  <b>Static Water Level (ft):</b> 19  <b>Flow Rate (gpm):</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> 169.854232  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 39  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>29</td> <td>68</td> <td>RED</td> <td>SHALE</td> </tr> <tr> <td>39</td> <td>39</td> <td>BROWN</td> <td>CLAY</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	29	68	RED	SHALE	39	39	BROWN	CLAY
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
29	68	RED	SHALE																	
39	39	BROWN	CLAY																	



### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality												
WWIS-3		lot 16 con 1	2802308	016	01	DS S	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602714.6  <b>Northing Nad83:</b> 4814640  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 12/30/1963  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 53  <b>Pump Rate (gpm):</b> 0  <b>Static Water Level (ft):</b> 15  <b>Flow Rate (gpm):</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> 169.953994  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 15  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> SALTY  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Thickness (ft)</u></th> <th style="text-align: left;"><u>Original Depth (ft)</u></th> <th style="text-align: left;"><u>Material Colour</u></th> <th style="text-align: left;"><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>15</td> <td>15</td> <td>BROWN</td> <td>CLAY</td> </tr> <tr> <td>38</td> <td>53</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	15	15	BROWN	CLAY	38	53	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
15	15	BROWN	CLAY																	
38	53	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality								
WWIS-4		lot 15 con 1 OAKVILLE	2809850	015	01	DS S	HALTON	OAKVILLE TOWN								
			<p> <b>Easting Nad83:</b> 602871  <b>Northing Nad83:</b> 4814666  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 12/19/2003  <b>Primary Water Use:</b> Not Used  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b>  <b>Pump Rate (gpm):</b>  <b>Static Water Level (ft):</b>  <b>Flow Rate (gpm):</b>  <b>Clear/Cloudy:</b>  <b>Specific Capacity:</b>  <b>Final Well Status:</b> Abandoned-Other  <b>Construction Method:</b> Other Method  <b>Flowing (y/n):</b>  <b>Elevation (m):</b> 169.177413  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b>  <b>Overburden/Bedrock:</b> No formation data  <b>Water Type:</b>  <b>Casing Material:</b> </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>				
<u>Thickness (ft)</u>	<u>Original Depth (ft)</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-5		lot 16 con 1	7050130	016	01		HALTON	OAKVILLE TOWN								
			<p> <b>Easting Nad83:</b> 602660  <b>Northing Nad83:</b> 4814701  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 10 - 30 m  <b>Construction Date:</b> 8/17/2007  <b>Primary Water Use:</b> Not Used  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b>  <b>Pump Rate (gpm):</b>  <b>Static Water Level (ft):</b>  <b>Flow Rate (gpm):</b>  <b>Clear/Cloudy:</b>  <b>Specific Capacity:</b>  <b>Final Well Status:</b> Abandoned-Other  <b>Construction Method:</b>  <b>Flowing (y/n):</b>  <b>Elevation (m):</b> 170.50415  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b>  <b>Overburden/Bedrock:</b>  <b>Water Type:</b>  <b>Casing Material:</b> </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>						<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>				
<u>Thickness (ft)</u>	<u>Original Depth (ft)</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-6		lot 16 con 1	2802133	016	01	DS N	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602693.6  <b>Northing Nad83:</b> 4814813  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 12/14/1965  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 37  <b>Pump Rate (gpm):</b> 4  <b>Static Water Level (ft):</b> 4  <b>Flow Rate (gpm):</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> 172.102676  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 5  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>5</td> <td>5</td> <td>BROWN</td> <td>CLAY</td> </tr> <tr> <td>32</td> <td>37</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	5	5	BROWN	CLAY	32	37	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
5	5	BROWN	CLAY																	
32	37	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality												
WWIS-7		lot 16 con 1	2802123	016	01	DS N	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602728.6  <b>Northing Nad83:</b> 4814826  <b>Zone:</b> 17  <b>Utm Reliability:</b> unknown UTM  <b>Construction Date:</b> 11/27/1952  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 45  <b>Pump Rate (gpm):</b>  <b>Static Water Level (ft):</b> 15  <b>Flow Rate (gpm):</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> 172.081115  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 10  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>10</td> <td>10</td> <td></td> <td>CLAY</td> </tr> <tr> <td>35</td> <td>45</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	10	10		CLAY	35	45	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
10	10		CLAY																	
35	45	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality																
WWIS-8		lot 15 con 1	2805288	015	01	DS N	HALTON	OAKVILLE TOWN																
<p> <b>Easting Nad83:</b> 602754.6  <b>Northing Nad83:</b> 4814863  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 30 m - 100 m  <b>Construction Date:</b> 10/18/1978  <b>Primary Water Use:</b> Commerical  <b>Secondary Water Use:</b> Domestic  <b>Well Depth (ft):</b> 38  <b>Pump Rate (gpm):</b> 4  <b>Static Water Level (ft):</b> 10  <b>Flow Rate (gpm):</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> 171.004837  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 7  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Thickness (ft)</u></th> <th style="text-align: left;"><u>Original Depth (ft)</u></th> <th style="text-align: left;"><u>Material Colour</u></th> <th style="text-align: left;"><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>5</td> <td>5</td> <td>BROWN</td> <td>CLAY, LOOSE</td> </tr> <tr> <td>2</td> <td>7</td> <td>RED</td> <td>CLAY, LOOSE</td> </tr> <tr> <td>31</td> <td>38</td> <td>RED</td> <td>SHALE, HARD</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	5	5	BROWN	CLAY, LOOSE	2	7	RED	CLAY, LOOSE	31	38	RED	SHALE, HARD
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																					
5	5	BROWN	CLAY, LOOSE																					
2	7	RED	CLAY, LOOSE																					
31	38	RED	SHALE, HARD																					

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality												
WWIS-9		lot 16 con 1	2802125	016	01	DS N	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602723.6  <b>Northing Nad83:</b> 4814866  <b>Zone:</b> 17  <b>Utm Reliability:</b> unknown UTM  <b>Construction Date:</b> 8/4/1955  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 62  <b>Pump Rate (gpm):</b> 5  <b>Static Water Level (ft):</b> 10  <b>Flow Rate (gpm):</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> 171.50859  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 11  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>11</td> <td>11</td> <td></td> <td>CLAY</td> </tr> <tr> <td>51</td> <td>62</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	11	11		CLAY	51	62	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
11	11		CLAY																	
51	62	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-10		lot 16 con 1 Oakville L6M 4J9	7135755	016	01	DS N	HALTON	OAKVILLE TOWN
			<b>Easting Nad83:</b> 602643 <b>Northing Nad83:</b> 4814920 <b>Zone:</b> 17 <b>Utm Reliability:</b> margin of error : 10 - 30 m <b>Construction Date:</b> 11/5/2009 <b>Primary Water Use:</b> Not Used <b>Secondary Water Use:</b> <b>Well Depth (ft):</b> <b>Pump Rate (gpm):</b> <b>Static Water Level (ft):</b> 4.9868768 <b>Flow Rate (gpm):</b> <b>Clear/Cloudy:</b> <b>Specific Capacity:</b> <b>Final Well Status:</b> Abandoned-Other <b>Construction Method:</b> <b>Flowing (y/n):</b> <b>Elevation (m):</b> 171.917938 <b>Elevation Reliability:</b> <b>Depth to Bedrock (ft):</b> <b>Overburden/Bedrock:</b> <b>Water Type:</b> <b>Casing Material:</b> STEEL					
			<u>Thickness</u> <u>(ft)</u>	<u>Original</u> <u>Depth (ft)</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-11		lot 16 con 1	2802124	016	01	DS N	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602642.6  <b>Northing Nad83:</b> 4814948  <b>Zone:</b> 17  <b>Utm Reliability:</b> unknown UTM  <b>Construction Date:</b> 7/27/1955  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 61  <b>Pump Rate (gpm):</b> 3  <b>Static Water Level (ft):</b> 12  <b>Flow Rate (gpm):</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> 171.887954  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 15  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>15</td> <td>15</td> <td></td> <td>CLAY</td> </tr> <tr> <td>46</td> <td>61</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	15	15		CLAY	46	61	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
15	15		CLAY																	
46	61	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality												
WWIS-12		lot 15 con 1	2802118	015	01	DS N	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602647.6  <b>Northing Nad83:</b> 4814989  <b>Zone:</b> 17  <b>Utm Reliability:</b> unknown UTM  <b>Construction Date:</b> 8/19/1954  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 40  <b>Pump Rate (gpm):</b> 3  <b>Static Water Level (ft):</b> 16  <b>Flow Rate (gpm):</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> 171.935943  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 20  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>20</td> <td>20</td> <td></td> <td>PREVIOUSLY DUG</td> </tr> <tr> <td>20</td> <td>40</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	20	20		PREVIOUSLY DUG	20	40	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
20	20		PREVIOUSLY DUG																	
20	40	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality								
WWIS-13		lot 16 con 1 Oakville L6M 4J9	7135756	016	01	DS N	HALTON	OAKVILLE TOWN								
			<p><b>Easting Nad83:</b> 602516  <b>Northing Nad83:</b> 4815063  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 10 - 30 m  <b>Construction Date:</b> 11/5/2009  <b>Primary Water Use:</b> Not Used  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b>  <b>Pump Rate (gpm):</b>  <b>Static Water Level (ft):</b> 1.968504  <b>Flow Rate (gpm):</b>  <b>Clear/Cloudy:</b>  <b>Specific Capacity:</b>  <b>Final Well Status:</b> Abandoned-Other  <b>Construction Method:</b>  <b>Flowing (y/n):</b>  <b>Elevation (m):</b> 172.442916  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b>  <b>Overburden/Bedrock:</b>  <b>Water Type:</b>  <b>Casing Material:</b></p> <table style="width: 100%; border: none;"> <tr> <td style="text-align: left;"><u>Thickness</u></td> <td style="text-align: left;"><u>Original</u></td> <td style="text-align: left;"><u>Material Colour</u></td> <td style="text-align: left;"><u>Material</u></td> </tr> <tr> <td style="text-align: left;"><u>(ft)</u></td> <td style="text-align: left;"><u>Depth (ft)</u></td> <td></td> <td></td> </tr> </table>						<u>Thickness</u>	<u>Original</u>	<u>Material Colour</u>	<u>Material</u>	<u>(ft)</u>	<u>Depth (ft)</u>		
<u>Thickness</u>	<u>Original</u>	<u>Material Colour</u>	<u>Material</u>													
<u>(ft)</u>	<u>Depth (ft)</u>															

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality												
WWIS-14		lot 16 con 1	2802129	016	01	DS N	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602412.6  <b>Northing Nad83:</b> 4815155  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 1/17/1959  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 36  <b>Pump Rate (gpm):</b> 8  <b>Static Water Level (ft):</b> 16  <b>Flow Rate (gpm):</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> 173.495727  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 15  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>15</td> <td>15</td> <td></td> <td>PREVIOUSLY DUG</td> </tr> <tr> <td>21</td> <td>36</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	15	15		PREVIOUSLY DUG	21	36	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
15	15		PREVIOUSLY DUG																	
21	36	RED	SHALE																	

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality																
WWIS-15		lot 16 con 1	2802128	016	01	DS N	HALTON	OAKVILLE TOWN																
<p> <b>Easting Nad83:</b> 602288.6  <b>Northing Nad83:</b> 4815257  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 100 m - 300 m  <b>Construction Date:</b> 1/16/1959  <b>Primary Water Use:</b> Domestic  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 46  <b>Pump Rate (gpm):</b> 6  <b>Static Water Level (ft):</b> 18  <b>Flow Rate (gpm):</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> 173.866378  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 4  <b>Overburden/Bedrock:</b> Mixed in a Layer  <b>Water Type:</b> FRESH  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>4</td> <td>4</td> <td>BROWN</td> <td>CLAY</td> </tr> <tr> <td>3</td> <td>7</td> <td>RED</td> <td>CLAY, SHALE</td> </tr> <tr> <td>39</td> <td>46</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	4	4	BROWN	CLAY	3	7	RED	CLAY, SHALE	39	46	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																					
4	4	BROWN	CLAY																					
3	7	RED	CLAY, SHALE																					
39	46	RED	SHALE																					

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality																				
WWIS-16			7103429				HALTON	OAKVILLE TOWN																				
<p> <b>Easting Nad83:</b> 602717  <b>Northing Nad83:</b> 4815332  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 10 - 30 m  <b>Construction Date:</b> 12/20/2007  <b>Primary Water Use:</b> Not Used  <b>Secondary Water Use:</b>  <b>Well Depth (ft):</b> 16.4042  <b>Pump Rate (gpm):</b>  <b>Static Water Level (ft):</b>  <b>Flow Rate (gpm):</b>  <b>Clear/Cloudy:</b>  <b>Specific Capacity:</b>  <b>Final Well Status:</b> Test Hole  <b>Construction Method:</b> Boring  <b>Flowing (y/n):</b>  <b>Elevation (m):</b> 172.899154  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b>  <b>Overburden/Bedrock:</b>  <b>Water Type:</b>  <b>Casing Material:</b> </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>0.3</td> <td>0.984252</td> <td>BLACK</td> <td>TOPSOIL</td> </tr> <tr> <td></td> <td></td> <td>BROWN</td> <td></td> </tr> <tr> <td></td> <td>10.498688</td> <td>BROWN</td> <td>CLAY, SILT, DENSE</td> </tr> <tr> <td>1.8</td> <td>16.4042</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	0.3	0.984252	BLACK	TOPSOIL			BROWN			10.498688	BROWN	CLAY, SILT, DENSE	1.8	16.4042	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																									
0.3	0.984252	BLACK	TOPSOIL																									
		BROWN																										
	10.498688	BROWN	CLAY, SILT, DENSE																									
1.8	16.4042	RED	SHALE																									

### Water Well Information System

Map Key	Company	Address	Well Id	Lot	Concession	Concession Name	County	Municipality
WWIS-17		lot 15 con 1 Oakville	7122506	015	01	DS N	HALTON	OAKVILLE TOWN
			<b>Easting Nad83:</b> 602801 <b>Northing Nad83:</b> 4815365 <b>Zone:</b> 17 <b>Utm Reliability:</b> margin of error : 10 - 30 m <b>Construction Date:</b> 3/24/2009 <b>Primary Water Use:</b> <b>Secondary Water Use:</b> <b>Well Depth (ft):</b> <b>Pump Rate (gpm):</b> <b>Static Water Level (ft):</b> <b>Flow Rate (gpm):</b> <b>Clear/Cloudy:</b> <b>Specific Capacity:</b> <b>Final Well Status:</b> Abandoned-Other <b>Construction Method:</b> <b>Flowing (y/n):</b> <b>Elevation (m):</b> <b>Elevation Reliability:</b> <b>Depth to Bedrock (ft):</b> <b>Overburden/Bedrock:</b> <b>Water Type:</b> <b>Casing Material:</b>					
			<u>Thickness</u> <u>(ft)</u>	<u>Original</u> <u>Depth (ft)</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-18		lot 16 con 1	2803433	016	01	DS N	HALTON	OAKVILLE TOWN												
<p> <b>Easting Nad83:</b> 602004.6  <b>Northing Nad83:</b> 4815533  <b>Zone:</b> 17  <b>Utm Reliability:</b> margin of error : 30 m - 100 m  <b>Construction Date:</b> 9/7/1970  <b>Primary Water Use:</b> Livestock  <b>Secondary Water Use:</b> Domestic  <b>Well Depth (ft):</b> 45  <b>Pump Rate (gpm):</b> 4  <b>Static Water Level (ft):</b> 12  <b>Flow Rate (gpm):</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> 173.947845  <b>Elevation Reliability:</b>  <b>Depth to Bedrock (ft):</b> 11  <b>Overburden/Bedrock:</b> Bedrock  <b>Water Type:</b> SALTY  <b>Casing Material:</b> STEEL, OPEN HOLE                 </p> <table border="1"> <thead> <tr> <th><u>Thickness (ft)</u></th> <th><u>Original Depth (ft)</u></th> <th><u>Material Colour</u></th> <th><u>Material</u></th> </tr> </thead> <tbody> <tr> <td>11</td> <td>11</td> <td>BROWN</td> <td>CLAY</td> </tr> <tr> <td>34</td> <td>45</td> <td>RED</td> <td>SHALE</td> </tr> </tbody> </table>									<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>	11	11	BROWN	CLAY	34	45	RED	SHALE
<u>Thickness (ft)</u>	<u>Original Depth (ft)</u>	<u>Material Colour</u>	<u>Material</u>																	
11	11	BROWN	CLAY																	
34	45	RED	SHALE																	



## 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 2010**

**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 1800-2005**

**AMIS**

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

#### **Borehole 1875-Sept 2010**

**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-Mar 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.

#### **TSSA Commercial Fuel Oil Tanks 1948-Aug 2010**

**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.

**Coal Gasification Plants 1987, 1988\***

**COAL**

This inventory of all known and historical coal gasification plants was collected by the Ministry of Environment. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, landuse, soil condition, site operators/occupants, site description, and potential environmental impacts. This information is effective to 1988, but the program has since been discontinued.

**Compliance and Convictions 1989-Apr 2011**

**CONV**

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

**Drill Holes 1886-2005**

**DRL**

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

**Environmental Registry 1994-Apr 2011**

**EBR**

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, licence, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes things like; Approval for discharge into the natural environment other than water (i.e. Air), Permit to Take Water (PTTW), Certificate of Property Use (CPU), Approval for a waste disposal site, Order for preventative measures.(EPA s. 18), Order for conformity with Act for waste disposal sites.(EPA s. 44), Order for remedial work.(EPA s. 17) and many more.

**TSSA Fuel Storage Tanks Current to Jun 2010**

**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.

**Mineral Occurrences 1846-Nov 2010**

**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), 1994-2009**

**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-Nov 2010**

**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.

**Pesticide Register 1988-Jan 2010**

**PES**

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

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

**PRT**

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

**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-Apr 2011**

**RSC**

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

**Ontario Spills 1988-Jun 2010**

**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 1990-2009**

**SRDS**

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

**Waste Disposal Sites - MOE CA Inventory 1970-Mar 2011**

**WDS**

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. For more current information for Waste Disposal Sites please see the EBR database, which will include information such as 'Approval for a waste disposal site (EPA s.27)' and 'Approval for use of a former waste disposal site (EPA s.46)'.

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

**WDSH**

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

**Water Well Information System 1955-Sept 2010**

**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 2011**

**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 2010**

**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-Mar 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.*



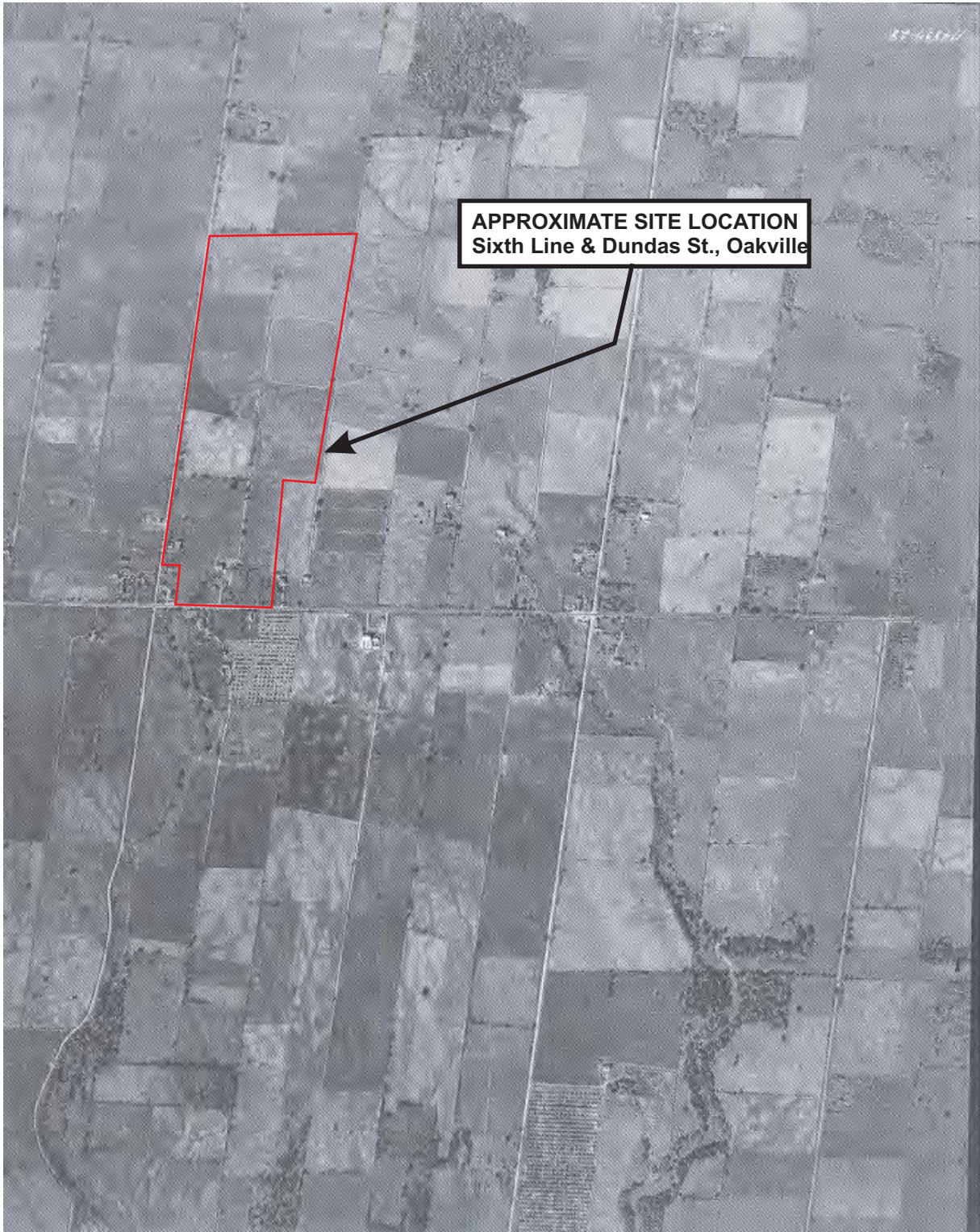
# **APPENDIX C**

## **Aerial Photographs**



**AERIAL PHOTOGRAPH  
CIRCA 1934**

**SCALE: 1 : 20 000**



Date June 2011  
Project 11-1186-0103 (3010)



Drawn SA  
Chkd. VU

**AERIAL PHOTOGRAPH  
CIRCA 1965**

**SCALE: 1 : 20 000**



**APPROXIMATE SITE LOCATION  
Sixth Line & Dundas St., Oakville**

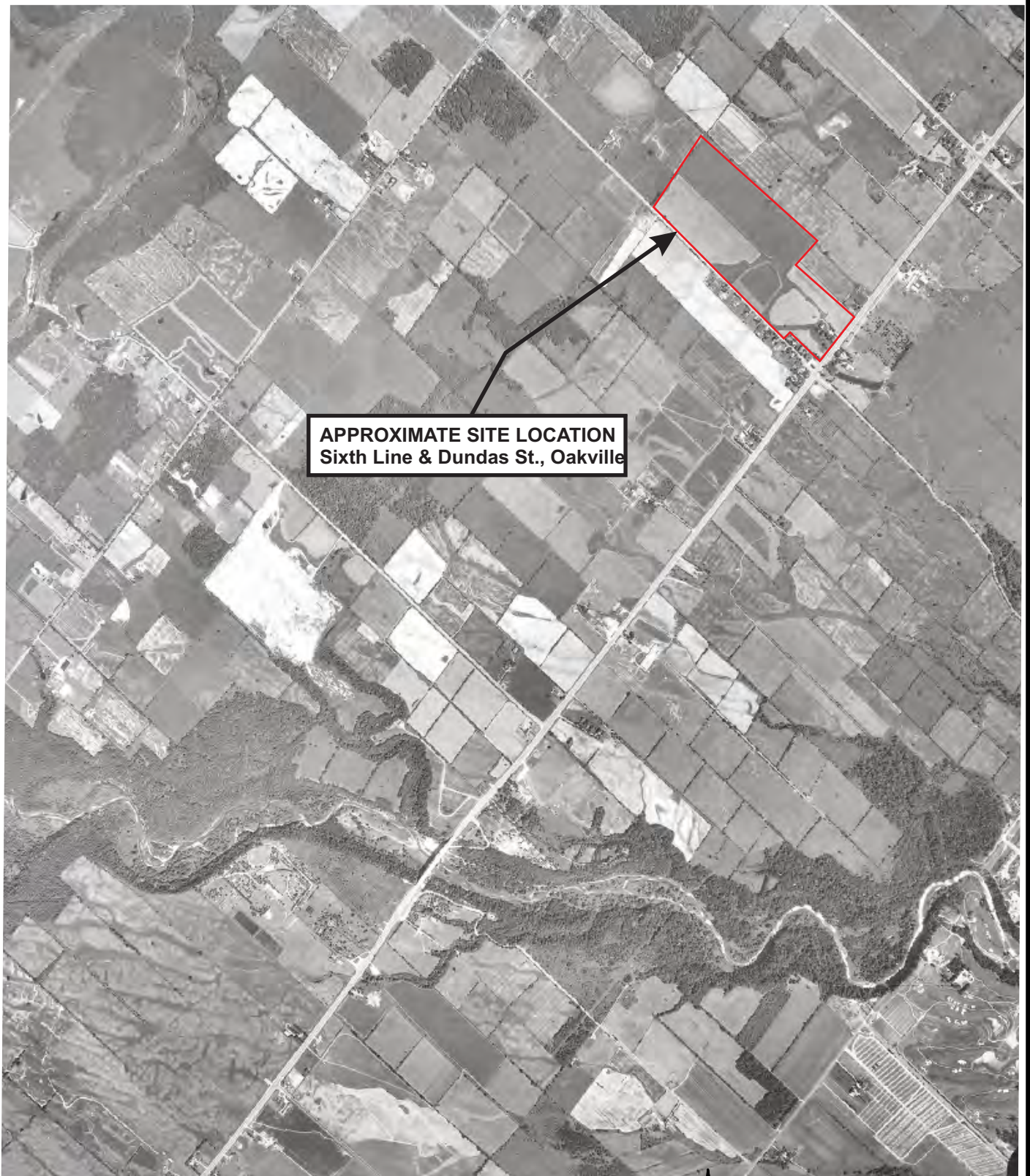
Date June 2011  
Project 11-1186-0103 (3010)



Drawn SA  
Chkd. VU

**AERIAL PHOTOGRAPH  
CIRCA 1979**

**SCALE: 1 : 25 000**



**APPROXIMATE SITE LOCATION  
Sixth Line & Dundas St., Oakville**



Date June 2011  
Project 11-1186-0103 (3010)



Drawn SA  
Chkd. VU

**AERIAL PHOTOGRAPH  
CIRCA 1988**

**SCALE: 1 : 40 000**



Date June 2011  
Project 11-1186-0103 (3010)



Drawn SA  
Chkd. VU



# **APPENDIX D**

## **Site Photographs**



**Photograph 1:** General view of the southeast portion of the Site, looking northwest.



**Photograph 2:** General view of the northern portion of the Site, looking northeast.



**Photograph 3:** Irrigation ditch located in the central portion of the Site.



**Photograph 4:** Culvert located on the western portion of the Site, off Sixth Line.



**Photograph 5:** PVC pipe located on the northern portion of the Site.



**Photograph 6:** Monitoring water well observed on the neighbouring property east of the Site.





**Photograph 7:** View of the watercourse (tributary of Sixteen Mile Creek) located in the southwest portion of the Site.



**Photograph 8:** Pile of material mixed with asphalt located on the northwest portion of the Site.



**Photograph 9:** Mound of material observed along the southeast boundary of the Site.



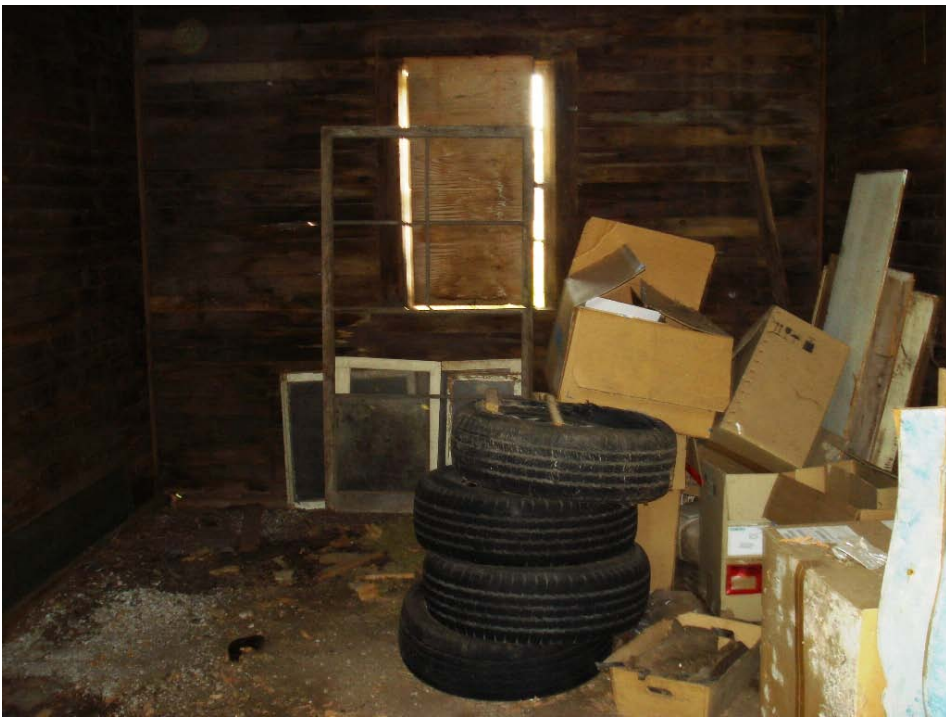
**Photograph 10:** View of bricks observed along the slope of the wetland area, west of the house.



**Photograph 11:** General view of the on-site residential house, looking east.



**Photograph 12:** View of the hand dug water well, located northeast of the house.



**Photograph 13:** General view of storage within the small shed.



**Photograph 14:** General view of storage within the large shed.



**Photograph 15:** General view of mould and ceiling water damage in the second floor of the house.



**Photograph 16:** Pipe observed in the mudroom of the house.



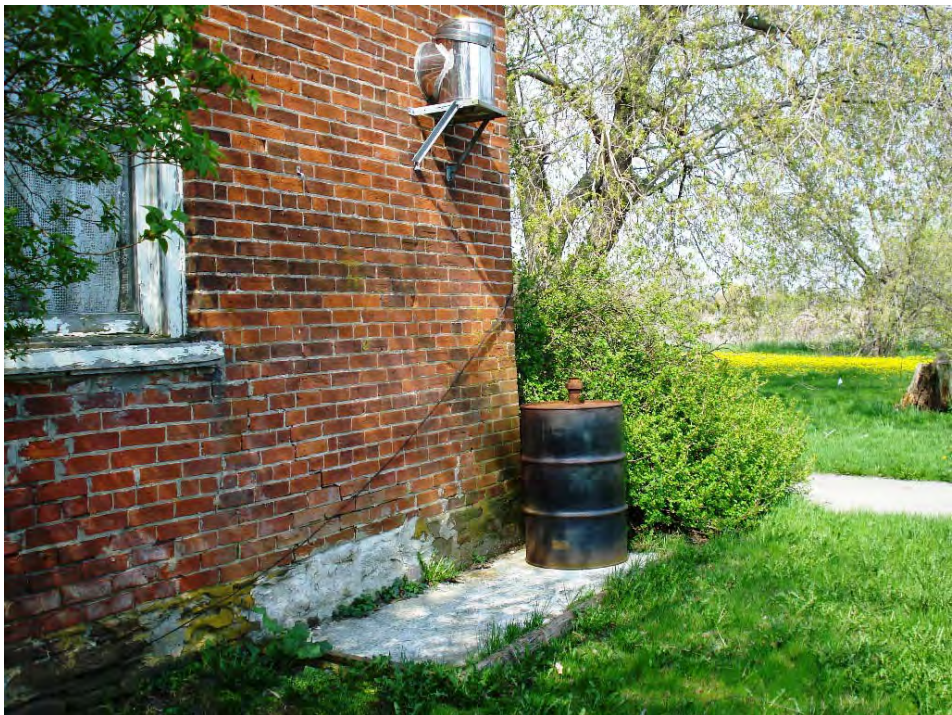
**Photograph 17:** View of the basement of the house.



**Photograph 18:** Paint cans and storage observed in the basement of the house.



**Photograph 19:** Pipe observed on the southern wall of the house.



**Photograph 20:** Unlabelled metal drum observed on the east side of the house.



# **APPENDIX E**

## **Topographic Map**



# TOPOGRAPHIC MAP SIXTH LINE AND DUNDAS STREET, OAKVILLE



Date May 2011  
Project 11-1186-0103 (3010)



Drawn SA  
Chkd. VU



# **APPENDIX F**

## **Land Title Information**



# Ontario ServiceOntario

LAND  
REGISTRY  
OFFICE #20

24929-0117 (LT)

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

PAGE 1 OF 2

PREPARED FOR DKruka01  
ON 2010/07/09 AT 09:28:15

\* CERTIFIED BY LAND REGISTRAR IN ACCORDANCE WITH LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

PROPERTY DESCRIPTION: PT LT 15, CON 1 TRAFALGAR, NORTH OF DUNDAS STREET, AS IN 657536, OAKVILLE/TRAFALGAR

PROPERTY REMARKS:  
ESTATE/QUALIFIER:  
FEE SIMPLE  
LT CONVERSION QUALIFIED

RECENTLY:  
FIRST CONVERSION FROM BOOK  
PIN CREATION DATE:  
1996/03/25

OWNERS' NAMES  
PUTICA, MATO  
PUTICA, ANTONIA  
PUTICA, STOJAN  
PUTICA HOLDINGS INC.  
CAPACITY SHARE  
NC 20%  
NC 20%  
TCOM 10%  
50%

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
**EFFECTIVE 2000/07/29		THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/03/25 ON THIS PIN**				
**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/03/25**						
** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE: 1996/03/22 **						
**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:						
**		SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *				
**		AND ESCHEATS OR FORFEITURE TO THE CROWN.				
**		THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF				
**		IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY				
**		CONVENTION.				
**		ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.				
**DATE OF CONVERSION TO LAND TITLES: 1996/03/25 **						
219171	1967/02/28	CHARGE	\$40,000	TARZWELL, HOWARD R.		C
289434	1970/03/02	TRANSFER OF CHARGE		HAYS, THOMAS		C
657536	1987/01/06	TRANSFER	\$1,114,320	PUTICA, STOJAN PUTICA, DRAGICA PUTICA, MATO PUTICA, ANTONIA PUTICA, DRAGICA PUTICA, STOJAN		C
H808134	1999/08/30	TRANSMISSION-LAND		PUTICA, DRAGICA (DECEASED)	PUTICA, DRAGICA -ESTATE	C

*mtg of a mtg  
back the mtg of mtg ... disch'd*

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.



# Ontario ServiceOntario

PARCEL REGISTER (ABBREVIATED) FOR PROPERTY IDENTIFIER

LAND  
REGISTRY  
OFFICE #20

24929-0117 (LT)

PAGE 2 OF 2  
PREPARED FOR DKruka01  
ON 2010/07/09 AT 09:28:15

\* CERTIFIED BY LAND REGISTRAR IN ACCORDANCE WITH LAND TITLES ACT \* SUBJECT TO RESERVATIONS IN CROWN GRANT \*

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
	REMARKS: 657536					
H808135	1999/08/30	TRANSFER		PUTICA, DRAGICA -ESTATE PUTICA, STOJAN	PUTICA, STOJAN	C
H808136	1999/08/30	TRANSFER	\$1,712,500	PUTICA, STOJAN	PUTICA HOLDINGS INC.	C
20R17818	2008/06/19	PLAN REFERENCE				C

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.  
NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

# Transfer/Deed of Land

Form 1 — Land Registration Reform Act, 1984

**A**

<p style="text-align: center; font-size: 24pt; font-weight: bold;">657536</p> <p style="text-align: center; font-size: 18pt;">JAN 6 4 29 PM '87</p> <p style="font-size: 10pt;">New Property Identifiers</p> <p style="font-size: 10pt;">Additional: See Schedule <input type="checkbox"/></p> <p style="font-size: 10pt;">Exemptions</p> <p style="font-size: 10pt;">Additional: See Schedule <input type="checkbox"/></p>	<p>(1) Registry <input checked="" type="checkbox"/> Land Titles <input type="checkbox"/></p>	<p>(2) Page 1 of 3 pages <i>cb</i></p>	<p>(3) Property Identifier(s) Block Property Additional: See Schedule <input type="checkbox"/></p>																																			
	<p>(4) Consideration ONE MILLION ONE HUNDRED AND FOURTEEN THOUSAND THREE HUNDRED AND TWENTY-----00/ Dollars \$ 1,114,320.00</p>																																					
	<p>(5) Description This is a: Property Division <input type="checkbox"/> Property Consolidation <input type="checkbox"/></p> <p style="text-align: center;">Part of Lot 15, Concession 1, North of Dundas Street, Town of Oakville, Regional Municipality of Halton, Registry Office for the Registry Division of Halton</p> <p style="text-align: right;">(cont'd on Schedule)</p>																																					
	<p>(6) This Document Contains (a) Redescription New Easement Plan/Sketch <input type="checkbox"/> (b) Schedule for: Description <input checked="" type="checkbox"/> Additional Parties <input type="checkbox"/> Other <input type="checkbox"/> (7) Interest/Estate Transferred Fee Simple</p>																																					
<p>(8) Transferor(s) The transferor hereby transfers the land to the transferee and certifies that the transferor is at least eighteen years old and that all of us are spouses, none of us are separated from our spouses, the property has never been occupied by any of us or our spouses as a matrimonial home and the property has never been occupied by any beneficiary of this trust or his/her spouse as their matrimonial home.</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; border-bottom: 1px solid black;">Name(s)</td> <td style="width:20%; border-bottom: 1px solid black;">Signature(s)</td> <td style="width:10%; border-bottom: 1px solid black;">Date of Signature</td> <td style="width:10%; border-bottom: 1px solid black;">Y</td> <td style="width:10%; border-bottom: 1px solid black;">M</td> <td style="width:10%; border-bottom: 1px solid black;">D</td> </tr> <tr> <td>KULM, August</td> <td><i>[Signature]</i></td> <td>1987</td> <td>01</td> <td>6</td> <td></td> </tr> <tr> <td>REBANE, Heino</td> <td><i>[Signature]</i></td> <td>1987</td> <td>01</td> <td>6</td> <td></td> </tr> <tr> <td>TAUL, Edward</td> <td><i>[Signature]</i></td> <td>1986</td> <td>11</td> <td>22</td> <td></td> </tr> </table>				Name(s)	Signature(s)	Date of Signature	Y	M	D	KULM, August	<i>[Signature]</i>	1987	01	6		REBANE, Heino	<i>[Signature]</i>	1987	01	6		TAUL, Edward	<i>[Signature]</i>	1986	11	22												
Name(s)	Signature(s)	Date of Signature	Y	M	D																																	
KULM, August	<i>[Signature]</i>	1987	01	6																																		
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TAUL, Edward	<i>[Signature]</i>	1986	11	22																																		
<p>(9) Spouse(s) of Transferor(s) I hereby consent to this transaction</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; border-bottom: 1px solid black;">Name(s)</td> <td style="width:20%; border-bottom: 1px solid black;">Signature(s)</td> <td style="width:10%; border-bottom: 1px solid black;">Date of Signature</td> <td style="width:10%; border-bottom: 1px solid black;">Y</td> <td style="width:10%; border-bottom: 1px solid black;">M</td> <td style="width:10%; border-bottom: 1px solid black;">D</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>				Name(s)	Signature(s)	Date of Signature	Y	M	D																													
Name(s)	Signature(s)	Date of Signature	Y	M	D																																	
<p>(10) Transferor(s) Address for Service c/o 185 Dell Park Avenue, Toronto, Ontario, M6B 2V5</p>																																						
<p>(11) Transferee(s)</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:70%; border-bottom: 1px solid black;">Name</td> <td style="width:10%; border-bottom: 1px solid black;">Date of Birth</td> <td style="width:10%; border-bottom: 1px solid black;">Y</td> <td style="width:10%; border-bottom: 1px solid black;">M</td> <td style="width:10%; border-bottom: 1px solid black;">D</td> </tr> <tr> <td>PUTICA, Stojan as to an undivided 20% interest</td> <td>1930</td> <td>01</td> <td>12</td> <td></td> </tr> <tr> <td>PUTICA, Dragica as to an undivided 20% interest</td> <td>1938</td> <td>04</td> <td>17</td> <td></td> </tr> <tr> <td>PUTICA, Mato as to an undivided 20% interest</td> <td>1959</td> <td>06</td> <td>22</td> <td></td> </tr> <tr> <td>PUTICA, Antonia as to an undivided 20% interest</td> <td>1965</td> <td>06</td> <td>13</td> <td></td> </tr> <tr> <td>PUTICA, Dragica in trust, as to an undivided 10% interest</td> <td>1938</td> <td>04</td> <td>17</td> <td></td> </tr> <tr> <td>PUTICA, Stojan in trust, as to an undivided 10% interest</td> <td>1930</td> <td>01</td> <td>12</td> <td></td> </tr> </table>				Name	Date of Birth	Y	M	D	PUTICA, Stojan as to an undivided 20% interest	1930	01	12		PUTICA, Dragica as to an undivided 20% interest	1938	04	17		PUTICA, Mato as to an undivided 20% interest	1959	06	22		PUTICA, Antonia as to an undivided 20% interest	1965	06	13		PUTICA, Dragica in trust, as to an undivided 10% interest	1938	04	17		PUTICA, Stojan in trust, as to an undivided 10% interest	1930	01	12	
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<p>(12) Transferee(s) Address for Service c/o Anthony Ambrozic, 861 College St., Toronto, Ontario, M6H 1A1</p>																																						
<p>(13) Transferor(s) The transferor verifies that to the best of the transferor's knowledge and belief, this transfer does not contravene section 49 of the Planning Act, 1983.</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; border-bottom: 1px solid black;">Signature</td> <td style="width:20%; border-bottom: 1px solid black;">Date of Signature</td> <td style="width:10%; border-bottom: 1px solid black;">Y</td> <td style="width:10%; border-bottom: 1px solid black;">M</td> <td style="width:10%; border-bottom: 1px solid black;">D</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table> <p>Solicitor for Transferor(s) I have explained the effect of section 49 of the Planning Act, 1983 to the transferor and I have made inquiries of the transferor to determine that this transfer does not contravene that section and based on the information supplied by the transferor, to the best of my knowledge and belief, this transfer does not contravene that section. I am an Ontario solicitor in good standing.</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; border-bottom: 1px solid black;">Name and Address of Solicitor</td> <td style="width:20%; border-bottom: 1px solid black;">Signature</td> <td style="width:10%; border-bottom: 1px solid black;">Date of Signature</td> <td style="width:10%; border-bottom: 1px solid black;">Y</td> <td style="width:10%; border-bottom: 1px solid black;">M</td> <td style="width:10%; border-bottom: 1px solid black;">D</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>				Signature	Date of Signature	Y	M	D						Name and Address of Solicitor	Signature	Date of Signature	Y	M	D																			
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<p>(14) Solicitor for Transferee(s) I have investigated the title to this land and to abutting land where relevant and I am satisfied that the title records reveal no contravention as set out in subclause 49 (21a) (c) (i) of the Planning Act, 1983 and that to the best of my knowledge and belief this transfer does not contravene section 49 of the Planning Act 1983. I act independently of the solicitor for the transferor(s) and I am an Ontario solicitor in good standing.</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:60%; border-bottom: 1px solid black;">Name and Address of Solicitor</td> <td style="width:20%; border-bottom: 1px solid black;">Signature</td> <td style="width:10%; border-bottom: 1px solid black;">Date of Signature</td> <td style="width:10%; border-bottom: 1px solid black;">Y</td> <td style="width:10%; border-bottom: 1px solid black;">M</td> <td style="width:10%; border-bottom: 1px solid black;">D</td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>				Name and Address of Solicitor	Signature	Date of Signature	Y	M	D																													
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24	01	010	030	06300																																		
<p>(16) Municipal Address of Property</p> <p>41 Dundas Street East Oakville, Ontario L5A 1V9</p>		<p>(17) Document Prepared by:</p> <p>TED R. LAAN Barrister and Solicitor 1401-111 Richmond St. West Toronto, Ontario M5H 2G4</p>																																				
<p>(18) Fees and Tax</p> <table style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; border-bottom: 1px solid black;">Registration Fee</td> <td style="width:50%; border-bottom: 1px solid black;">16.00</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Land Transfer Tax</td> <td style="border-bottom: 1px solid black;">10,818.20</td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;"> </td> <td style="border-bottom: 1px solid black;"> </td> </tr> <tr> <td style="border-bottom: 1px solid black;">Total</td> <td style="border-bottom: 1px solid black;"> </td> </tr> </table>		Registration Fee	16.00	Land Transfer Tax	10,818.20					Total		<p style="writing-mode: vertical-rl; transform: rotate(180deg); font-size: 8pt;">FOR OFFICE USE ONLY</p>																										
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Land Transfer Tax	10,818.20																																					
Total																																						

SCHEDULEDESCRIPTION:

COMMENCING at a point in the southwesterly limit of Lot 15, said point being distant 666 feet, 2½ inches measured North 44 degrees, 22 minutes and 30 seconds west thereon from the most southerly angle of said Lot;

THENCE continuing North 44 degrees, 22 minutes, and 30 seconds West along said westerly limit of the said lot 15, a distance of 2,817 feet 7½ inches to a point in the limit between the north and south halves of Lot 15.

THENCE North 38 degrees, 25 minutes East along the said Half Lot line a distance of 1,326 feet and 1/2 inch to a point in the limit between Lots 14 and 15.

THENCE South 44 degrees 32 minutes 50 seconds East along the said line between Lots 14 and 15 a distance of 2,251 feet 11 inches to a point.

THENCE SOUTH 38 degrees 34 minutes 30 seconds West a distance of 353 feet 5 inches to a point;

THENCE SOUTH 44 degrees 38 minutes East a distance of 1,218 feet 6½ inches to a point in the northwesterly limit of Dundas Street as widened by deposited Plan 312.

THENCE SOUTH 38 degrees 39 minutes West along the said northwesterly limit of Dundas Street as widened, 833 feet 3½ inches to a point.

THENCE NORTH 45 degrees 35 minutes West, a distance of 140 feet 10 inches to a

THENCE SOUTH 44 degrees 21 minutes West, a distance of 11 feet, 10½ inches to a point;

THENCE NORTH 45 degrees, 10 minutes West, a distance of 504 feet, 4 inches to a point;

THENCE SOUTH 39 degrees 21 minutes West a distance of 129 feet 7 3/4 inches more or less to the point of commencement, as previously described in instrument No. 219169 OAKVILLE.

Form 1 - Land Transfer Tax Act  
 Affidavit of Residence and of Value of the Consideration  
 Refer to all instructions on reverse side.

DYE & CURRIE CO. LIMITED  
 Form No. 800  
 (Amended Aug. 1, 1984)

3

THE MATTER OF THE CONVEYANCE OF (insert brief description of land) Part of Lot 15, Concession 1, North of Dundas Street, Town of Oakville, Regional Municipality of Halton.

BY (print names of all transferors in full) August Kulm, Heino Rebane and Eduard Taul

TO (see instruction 1 and print names of all transferees in full) Stojan Putica, Dragica Putica, Mato Putica, Antonia Putica and Dragica Putica, in trust, and Stojan Putica in trust.

X BY (see instruction 2 and print name(s) in full) Stojan Putica, Dragica Putica, Mato Putica, Antonia Putica and Dragica Putica IN trust, and Stojan Putica in trust.

MAKE OATH AND SAY THAT:

1. I am (place a check mark within the square opposite that one of the following paragraphs that describes the capacity of the deponent(s)): (see instruction 2)

- (a) A person in trust for whom the land conveyed in the above-described conveyance is being conveyed;
- (b) A trustee named in the above-described conveyance to whom the land is being conveyed;
- (c) A transferee named in the above-described conveyance;
- (d) The authorized agent or solicitor acting in this transaction for (insert name(s) of person(s)) \_\_\_\_\_

(e) The President, Vice-President, Manager, Secretary, Director, or Treasurer authorized to act for (insert name(s) of corporation(s)) \_\_\_\_\_

(f) A transferee described in paragraph (a), (b), or (c) above; (make out references to inapplicable paragraphs) and am making this affidavit on my own behalf and on behalf of (insert name of spouse) \_\_\_\_\_ who is my spouse described in paragraph ( ) (insert only one of paragraph (a), (b) or (c) above, as applicable) and as such, I have personal knowledge of the facts herein deposed to.

2. To be completed where the value of the consideration for the conveyance exceeds \$250,000.

I have read and considered the definition of "single family residence" set out in clause 1(1)(a) of the Act. The land conveyed in the above-described conveyance contains at least one and not more than two single family residences. **Note: Clause 2(1) (d) imposes an additional tax at the rate of one-half of one per cent upon the value of consideration in excess of \$250,000 where the conveyance contains at least one and not more than two single family residences.**

does not contain a single family residence.

contains more than two single family residences. (see instruction 2)

3. I have read and considered the definitions of "non-resident corporation" and "non-resident person" set out respectively in clauses 1(1)(f) and (g) of the Act and each of the following persons to whom or in trust for whom the land is being conveyed in the above-described conveyance is a "non-resident corporation" or a "non-resident person" as set out in the Act. (see instructions 4 and 5) None

4. THE TOTAL CONSIDERATION FOR THIS TRANSACTION IS ALLOCATED AS FOLLOWS:

(a) Monies paid or to be paid in cash	\$ 400,000.00	
(b) Mortgages (i) Assumed (show principal and interest to be credited against purchase price)	\$ Nil	
(ii) Given back to vendor	\$ 714,320.00	
(c) Property transferred in exchange (detail below)	\$ Nil	
(d) Securities transferred to the value of (detail below)	\$ Nil	
(e) Liens, legacies, annuities and maintenance charges to which transfer is subject	\$ Nil	
(f) Other valuable consideration subject to land transfer tax (detail below)	\$ Nil	
(g) VALUE OF LAND, BUILDING, FIXTURES AND GOODWILL SUBJECT TO LAND TRANSFER TAX (Total of (a) to (f))	\$ 1,114,320.00	\$ 1,114,320.00
(h) VALUE OF ALL CHATTELS - items of tangible personal property (detail below)	\$ Nil	
(i) Other consideration for transaction not included in (g) or (h) above	\$ Nil	
(j) TOTAL CONSIDERATION	\$ 1,114,320.00	\$ 1,114,320.00

All Boxes Must Be Filled In. Insert "Nil" Where Applicable.

5. If consideration is nominal, describe relationship between transferor and transferee and state purpose of conveyance. (see instruction 4) N/A

6. If the consideration is nominal, is the land subject to any encumbrance? N/A

7. Other remarks and explanations, if necessary. The value of the dwelling house located on the lands hereinbefore described does not exceed \$250,000.00, and in consideration of the registration of this instrument we hereby undertake to provide either additional information or additional tax payable to in respect to the above transaction.

Sworn before me at the City of Toronto in the Municipality of Metropolitan Toronto this 10th day of January 19 87

[Signature]  
 A Commissioner for taking Affidavits, etc.

[Signature]  
[Signature]  
 (Signatures)

Property Information Record

A. Describe nature of instrument: Transfer /Deed of Land

B. (i) Address of property being conveyed (if available) 41 Dundas Street East, Oakville, Ontario

(ii) Assessment Roll No. (if available) 24 01 010 030 06300

C. Mailing address(es) for future Notices of Assessment under the Assessment Act for property being conveyed (see instruction 7) 41 Dundas Street East, Oakville, Ontario

D. (i) Registration number for last conveyance of property being conveyed (if available) \_\_\_\_\_

(ii) Legal description of property conveyed: Same as in D.(i) above. Yes  No  Not known

E. Name(s) and address(es) of each transferee's solicitor

For Land Registry Office use only REGISTRATION NO. Land Registry Office No. Registration Date
--

Anthony Ambrozic  
Barrister & Solicitor  
861 College Street  
Toronto, Ontario  
M6H 1A1

<p style="text-align: right; font-weight: bold;">808135</p> <p style="text-align: center;">CERTIFICATE OF RECEIPT PROPERTY REGISTRATION <i>B.M.</i> 1999 AUG 30 AM 11 55</p> <p>New Property Identifiers _____ Additional See Schedule <input type="checkbox"/></p> <p>Executions _____ Additional See Schedule <input type="checkbox"/></p>	<p>(1) Registry <input type="checkbox"/> Land Titles <input checked="" type="checkbox"/> (2) Page 1 of 2 pages <i>AC</i></p> <p>(3) Property Identifier(s) Block 24929 Property 0117 (LT) Additional See Schedule <input type="checkbox"/></p> <p>(4) Consideration TWO-----Dollars \$ 2.00</p> <p>(5) Description This is a Property Division <input type="checkbox"/> Property Consolidation <input type="checkbox"/> Part of Lot 15, Concession 1 Trafalgar North of Dundas Street as previously described in Instrument No. 657536 Town of Oakville Regional Municipality of Halton being the whole of P.I.N. 24929 0117 (LT)</p>								
<p>(6) This Document Contains (a) Redescription New Easement Plan/Sketch <input type="checkbox"/> (b) Schedule for Description <input type="checkbox"/> Additional Parties <input type="checkbox"/> Other <input checked="" type="checkbox"/> (7) Interest/Estate Transferred Fee Simple</p>	<p>(8) Transferor(s) The transferor hereby transfers the land to the transferee and certifies that the transferor is at least eighteen years old and that the deceased was a spouse at the date of her death. The transferee was the spouse of the deceased, at the time of her death.</p> <p>Name(s) PUTICA, Stojan Signature _____ Date of Signature Y M D 1999 02 12 Executor for the Estate of DRAGICA PUTICA as to an undivided 30% interest</p>								
<p>(9) Spouse(s) of Transferor(s) I hereby consent to this transaction</p> <p>Name(s) _____ Signature(s) _____ Date of Signature Y M D</p>	<p>(10) Transferor(s) Address for Service 3483 Sixth Line, R.R. #1, Oakville, Ontario</p>								
<p>(11) Transferee(s)</p> <p>Name(s) PUTICA, Stojan Date of Birth Y M D 1930 01 12 as to an undivided 30% interest</p>	<p>(12) Transferee(s) Address for Service 3483 Sixth Line, R.R. #1, Oakville, Ontario</p>								
<p>(13) Transferor(s) The transferor verifies that to the best of the transferor's knowledge and belief, this transfer does not contravene section 50 of the Planning Act.</p> <p>Date of Signature Y M D _____ Signature _____</p> <p>Solicitor for Transferor(s) I have explained the effect of section 50 of the Planning Act to the transferor and I have made inquiries of the transferor to determine that the transfer does not contravene that section and based on the information supplied by the transferor, to the best of my knowledge and belief, this transfer does not contravene that section. I am an Ontario solicitor in good standing.</p> <p>Name and Address of Solicitor _____ Signature _____ Date of Signature Y M D</p>	<p>(14) Solicitor for Transferee(s) I have investigated the title to this land and to adjoining land where relevant and I am satisfied that the title records reveal no contravention as set out in subclause 50 (22) (c) (i) of the Planning Act and that to the best of my knowledge and belief this transfer does not contravene section 50 of the Planning Act. I act independently of the solicitor for the transferor(s) and I am an Ontario solicitor in good standing.</p> <p>Name and Address of Solicitor _____ Signature _____ Date of Signature Y M D</p>								
<p>(15) Assessment Roll Number of Property: City 24, Municipality 01, Map 010, Sub 030, Par 06300</p>	<p>(16) Municipal Address of Property: 41 Dundas Street East, Oakville, Ontario L5A 1V9</p>								
<p>(17) Document Prepared by: ROSE, PERSIKO, RAKOWSKY, 390 Bay Street, Suite 500, Toronto, Ontario M5H 2Y2, ATTN: A.A. Rakowsky, AAR:lou 990032</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2" style="text-align: center;">Fees and Tax</th> </tr> </thead> <tbody> <tr> <td style="width:70%;">Registration Fee</td> <td style="text-align: right;">50.00</td> </tr> <tr> <td>Land Transfer Tax</td> <td style="text-align: right;">Nil</td> </tr> <tr> <td>Total</td> <td></td> </tr> </tbody> </table>	Fees and Tax		Registration Fee	50.00	Land Transfer Tax	Nil	Total	
Fees and Tax									
Registration Fee	50.00								
Land Transfer Tax	Nil								
Total									

FOR OFFICE USE ONLY

FOR OFFICE USE ONLY



**Affidavit of Residence and of Value of the Consideration**  
**Form 1 - Land Transfer Tax Act**

Refer to all instructions on reverse side.

THE MATTER OF THE CONVEYANCE OF (insert brief description of land) Part of Lot 15, Concession 1 Trafalgar North of Dundas Street, Town of Oakville, Regional Municipality of Halton being the whole of P.I.N. 24929-0117 (L.T.)

(print names of all transferors in full) STOJAN PUTICA, EXECUTOR OF THE ESTATE OF DRAGICA PUTICA

(see instruction 1 and print names of all transferees in full) STOJAN PUTICA

(see instruction 2 and print names in full) STOJAN PUTICA

**MAKE OATH AND SAY THAT:**

1. I have placed a clear mark within the square opposite that one of the following paragraphs that describes the capacity of the deponent(s): (see instruction 2)
- (a) A trustee in trust for whom the land described in the above described conveyance is being conveyed.
  - (b) A trustee named in the above described conveyance to whom the land is being conveyed.
  - (c) A transferee named in the above described conveyance.
  - (d) The author and agent or solicitor acting in this transaction for (insert names) of principal(s) \_\_\_\_\_

(e) The President, Vice-President, Manager, Secretary, Director, or Treasurer authorized to act for (insert names) of corporation(s) \_\_\_\_\_ described in paragraphs (a), (b), (c) above. (strike out references to inapplicable paragraphs)

(f) A transferee described in paragraph ( ) (insert only one of paragraph (a), (b) or (c) above, as applicable) and am making this affidavit on my own behalf and on behalf of (insert name of spouse) \_\_\_\_\_ who is my spouse described in paragraph ( ) (insert only one of paragraph (a), (b) or (c) above, as applicable) and as such, I have personal knowledge of the facts herein deposed to.

**2. (To be completed where the value of the consideration for the conveyance exceeds \$400,000.)**

- I have read and considered the definition of "single family residence" set out in clause 1(1)(a) of the Act. The land conveyed in the above-described conveyance
- contains at least one and not more than two single family residences
  - does not contain a single family residence
  - contains more than two single family residences (see instruction 3)
- Note: Clause 2(1)(d) imposes an additional tax at the rate of one-half of one per cent upon the value of consideration in excess of \$400,000 where the conveyance contains at least one and not more than two single family residences.**

3. I have read and considered the definitions of "non-resident corporation" and "non-resident person" set out respectively in clauses 1(1)(f) and (g) of the Act and each of the following persons to whom or in trust for whom the land is being conveyed in the above-described conveyance is a "non-resident corporation" or a "non-resident person" as set out in the Act (see instructions 4 and 5) none

**4. THE TOTAL CONSIDERATION FOR THIS TRANSACTION IS ALLOCATED AS FOLLOWS:**

(a) Money paid or to be paid in cash	\$ <u>2.00</u>	
(b) Mortgages (i) assumed (show principal and interest to be credited against purchase price)	\$ <u>nil</u>	
(ii) Given back to vendor	\$ <u>nil</u>	
(c) Property transferred in exchange (detail below)	\$ <u>nil</u>	
(d) Securities transferred to the value of (detail below)	\$ <u>nil</u>	
(e) Liens, mortgages, annuities and maintenance charges to which transfer is subject	\$ <u>nil</u>	
(f) Other valuable consideration subject to land transfer tax (detail below)	\$ <u>nil</u>	
(g) VALUE OF LAND, BUILDING, FIXTURES AND GOODWILL SUBJECT TO LAND TRANSFER TAX (Total of (a) to (f))	\$ <u>2.00</u>	\$ <u>2.00</u>
(h) VALUE OF ALL CHATTELS - items of tangible personal property (Retail Sales Tax is payable on the value of all chattels unless exempt under the provisions of the "Retail Sales Tax Act", R.S.O. 1980, c.454, as amended)	\$ <u>nil</u>	
(i) Other consideration for transaction not included in (g) or (h) above	\$ <u>nil</u>	
(j) TOTAL CONSIDERATION	\$ <u>2.00</u>	\$ <u>2.00</u>

All Blanks Must Be Filled In. Insert "Nil" Where Applicable

5. If consideration is nominal, describe relationship between transferor and transferee and state purpose of conveyance. (see instruction 6) Transfer from Estate to Beneficiary

6. If the consideration is nominal, is the land subject to any encumbrance? NO

7. Other remarks and explanations, if necessary This is a transfer from an Estate to the sole Beneficiary. The Transferee is the spouse of the deceased.

Sworn before me at the City of Toronto  
in the Province of Ontario  
this 12 day of February 19 99

Commissioner for taking Affidavits, etc. [Signature]  
Stojan Putica

<b>Property Information Record</b> A. Describe nature of instrument <u>Transfer</u> B. (i) Address of property being conveyed (if available) <u>41 Dundas Street East, Oakville, Ontario</u> (ii) Assessment Roll No. (if available) <u>24 01 010 030 06300</u> Sliding addresses for future Notices of Assessment under the Assessment Act for property being conveyed (see instruction 7) <u>3483 Sixth Line, R.R. #1 Oakville, Ontario</u> (iii) Registration number for last conveyance of property being conveyed (if available) <u>657536</u> (iv) Brief description of property conveyed Same as in B.(i) above Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not known <input type="checkbox"/> (v) Name(s) and address(es) of each transferor's solicitor <u>MARVIN S. ARNOLD, Q.C., 390 Bay Street, Suite 500, Toronto, Ontario M5H 2Y2</u>	<b>For Land Registry Office Use Only</b> Registration No. _____ Registration Date _____ Land Registry Office No. _____	
--	--	--

**School Tax Support (Voluntary Election) See reverse for explanation**

1. Do you wish to support the French Public School Board? Yes  No

2. Do you wish to support the French Catholic Separate School Board? Yes  No

3. Do you wish to support the French Language Senior Board (where established)? Yes  No

NOTE: As to (c) and (d) the land being transferred will be assigned to the French Public School Board or Cutor unless otherwise directed in (a) and (b).



Province of Ontario

3  
308136

# Transfer/Deed of Land

Form 1 — Land Registration Reform Act

DYE & BURMAN 05 INC. Form No. 970 Amended NOV. 1992

A

CERTIFICATE OF RECEIPT  
 308136  
 '99 JUN 30 AM 11 55  
 New Property Identifiers  
 Executions

(1) Registry  Land Titles  (2) Page 1 of 2 pages AC

(3) Property Identifier(s) Block 24929 Property 0117 (LT) Additional See Schedule

(4) Consideration ONE MILLION SEVEN HUNDRED TWELVE THOUSAND FIVE HUNDRED Dollars \$ 1,712,500.00

(5) Description This is a Property Division  Property Consolidation   
 Part of Lot 15, Concession 1 Trafalgar North of Dundas Street as previously described in Instrument No. 657536 Town of Oakville Regional Municipality of Halton being the whole of P.I.N. 24929 0117 (LT)

(6) This Document Contains (a) Redescription New Easement Plan/Sketch  (b) Schedule for Description  Additional Parties  Other  (7) Interest/Estate Transferred Fee Simple

(8) Transferor(s) The transferor hereby transfers the land to the transferee and certifies that the transferor is at least eighteen years old and that I am not a spouse.

Name(s): PUTICA, Stojan  
 as to an undivided 50% interest

Signature: [Signature]  
 Date of Signature: 1999 06 12

(9) Spouse(s) of Transferor(s) I hereby consent to this transaction  
 Name(s): \_\_\_\_\_ Signature(s): \_\_\_\_\_ Date of Signature: Y M D

(10) Transferor(s) Address for Service 3483 Sixth Line, R.R. #1, Oakville, Ontario

(11) Transferee(s) PUTICA HOLDINGS INC.  
 Date of Birth: Y M D

(12) Transferee(s) Address for Service 3483 Sixth Line, R.R. #1, Oakville, Ontario

(13) Transferor(s) The transferor verifies that to the best of the transferor's knowledge and belief, this transfer does not contravene section 50 of the Planning Act.  
 Date of Signature: Y M D  
 Signature: \_\_\_\_\_  
 Solicitor for Transferor(s) I have explained the effect of section 50 of the Planning Act to the transferor and I have made inquiries of the transferor to determine that this transfer does not contravene that section and based on the information supplied by the transferor, to the best of my knowledge and belief, this transfer does not contravene that section. I am an Ontario solicitor in good standing.  
 Date of Signature: Y M D  
 Name and Address of Solicitor: \_\_\_\_\_ Signature: \_\_\_\_\_

(14) Solicitor for Transferee(s) I have investigated the title to this land and to abutting land where relevant and I am satisfied that the title records reveal no contravention as set out in subclause 50 (22) (c) (i) of the Planning Act and that to the best of my knowledge and belief this transfer does not contravene section 50 of the Planning Act. I act independently of the solicitor for the transferor(s) and I am an Ontario solicitor in good standing.  
 Date of Signature: Y M D  
 Name and Address of Solicitor: \_\_\_\_\_ Signature: \_\_\_\_\_

(15) Assessment Roll Number of Property: City 24, Mun 01, Map 010, Sub 030, Pir 06300

(16) Municipal Address of Property: 41 Dundas Street East, Oakville, Ontario L5A 1V9  
 (17) Document Prepared by: ROSE, PERSIKO, RAKOWSKY, 390 Bay Street, Suite 500, Toronto, Ontario M5H 2Y2, ATTN: A.A. Rakowsky, AAR:lou 990032

Fees and Tax	
Registration Fee	50.00
Land Transfer Tax	30725.00
Total	

FOR OFFICE USE ONLY

FOR OFFICE USE ONLY

Part of Lot 15, Concession 1 Trafalgar North of Dundas Street, Town of Oakville, Regional Municipality of Halton being the whole of P.I.N. 24929-0017 (LT)

STOJAN PUTICA PUTICA HOLDINGS INC. STOJAN PUTICA

MAKE OATH AND SAY THAT:

- 1. I am a person in trust for whom the land conveyed in the above described conveyance is being conveyed.
2. I am the President of PUTICA HOLDINGS INC. authorized to act for (insert name(s) of corporation(s))

3. I have read and considered the definition of "single family residence" set out in clause 1(1)(j) of the Act. The land conveyed in the above-described conveyance contains at least one and not more than two single family residences.

4. I have read and considered the definitions of "non-resident corporation" and "non-resident person" set out respectively in clauses 1(1)(f) and (g) of the Act and each of the following persons to whom or in trust for whom the land is being conveyed in the above-described conveyance is a "non-resident corporation" or a "non-resident person" as set out in the Act: none

Table with 2 columns: Description of consideration and Amount. Includes rows for Money paid, Mortgages, Property transferred in exchange, Securities transferred, and Total Consideration.

5. If consideration is nominal, describe relationship between transferor and transferee and state purpose of conveyance. n/a
6. If the consideration is nominal, is the land subject to any encumbrance? n/a
7. Other remarks and explanations, if necessary: The consideration for this transfer is shares in the capital stock of Putica Holdings Inc.

Signed before me at the City of Toronto Municipality of Metropolitan Toronto on 12th day of February 1999

Signature of Stojan Putica

Property Information Record form with fields for instrument description, address, assessment roll, and registration details.

School Tax Support (Voluntary Election) form with checkboxes for French language school board support.

**Properties**

*PIN* 24929 - 0117 LT *Interest/Estate* Fee Simple  Redescription  
*Description* PART OF LOT 15, CONCESSION 1, NDS BEING DESIGNATED AS PART 1 ON PLAN  
 20R-17818, TOWN OF OAKVILLE, REGION OF HALTON  
*Address* 41 DUNDAS STREET EAST  
 OAKVILLE

**Consideration**

*Consideration* \$ 34,600,000.00

**Transferor(s)**

The transferor(s) hereby transfers the land to the transferee(s).

*Name* PUTICA HOLDINGS INC.  
*Address for Service* c/o Stan Putica, 3483 Sixth Line  
 Oakville, Ontario L6H 7C6

I, STOJAN PUTICA, President, have the authority to bind the corporation.

This document is not authorized under Power of Attorney by this party.

*Name* PUTICA, ANTONIA  
*Address for Service* c/o Stan Putica, 3483 Sixth Line  
 Oakville, Ontario L6H 7C6

I am at least 18 years of age.

I am not a spouse

This document is not authorized under Power of Attorney by this party.

*Name* PUTICA, MATO  
*Address for Service* c/o Stan Putica, 3483 Sixth Line  
 Oakville, Ontario L6H 7C6

I am at least 18 years of age.

The property is not ordinarily occupied by me and my spouse, who is not separated from me, as our family residence.

This document is not authorized under Power of Attorney by this party.

*Name* PUTICA, STOJAN  
*Address for Service* c/o Stan Putica, 3483 Sixth Line  
 Oakville, Ontario L6H 7C6

I am at least 18 years of age.

The property is not ordinarily occupied by me and my spouse, who is not separated from me, as our family residence.

This document is not authorized under Power of Attorney by this party.

<b>Transferee(s)</b>	<b>Capacity</b>	<b>Share</b>
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<i>Name</i> SIXTH LINE CORPORATION		
<i>Address for Service</i> 2500 Appleby Line, Suite 200, Burlington, Ontario L7L 0A2		

STATEMENT OF THE TRANSFEROR (S): The transferor(s) verifies that to the best of the transferor's knowledge and belief, this transfer does not contravene the Planning Act.

The applicant(s) hereby applies to the Land Registrar.

yyyy mm dd Page 2 of 2

STATEMENT OF THE SOLICITOR FOR THE TRANSFEROR (S): I have explained the effect of the Planning Act to the transferor(s) and I have made inquiries of the transferor(s) to determine that this transfer does not contravene that Act and based on the information supplied by the transferor(s), to the best of my knowledge and belief, this transfer does not contravene that Act. I am an Ontario solicitor in good standing.

STATEMENT OF THE SOLICITOR FOR THE TRANSFEREE (S): I have investigated the title to this land and to abutting land where relevant and I am satisfied that the title records reveal no contravention as set out in the Planning Act, and to the best of my knowledge and belief this transfer does not contravene the Planning Act. I act independently of the solicitor for the transferor(s) and I am an Ontario solicitor in good standing.

**Signed By**

Issie Fishman	1110 Finch Ave. West, Suite 400 Toronto M3J 2T2	acting for Transferor(s)	Signed	2010 07 30
Tel	4162226526			
Fax	4162226663			

I am the solicitor for the transferor(s) and I am not one and the same as the solicitor for the transferee(s).

I have the authority to sign and register the document on behalf of the Transferor(s).

Ali Ani Irani	700-40 Sheppard Ave. W. North York M2N 6K9	acting for Transferee(s)	Signed	2010 07 30
Tel	4162259400			
Fax	4162254805			

I am the solicitor for the transferee(s) and I am not one and the same as the solicitor for the transferor(s).

I have the authority to sign and register the document on behalf of the Transferee(s).

**Submitted By**

GOLDMAN, SPRING, KICHLER & SANDERS LLP	700-40 Sheppard Ave. W. North York M2N 6K9			2010 07 30
Tel	4162259400			
Fax	4162254805			

**Fees/Taxes/Payment**

Statutory Registration Fee	\$60.00
Provincial Land Transfer Tax	\$517,475.00
Total Paid	\$517,535.00

**File Number**

Transferor Client File Number :	6176
Transferee Client File Number :	56037-SIXTH LINE P/F PUTICA

**LAND TRANSFER TAX STATEMENTS**

In the matter of the conveyance of: 24929 - 0117 PART OF LOT 15, CONCESSION 1, NDS BEING DESIGNATED AS PART 1 ON PLAN 20R-17818, TOWN OF OAKVILLE, REGION OF HALTON

BY: PUTICA HOLDINGS INC.  
PUTICA, ANTONIA  
PUTICA, MATO  
PUTICA, STOJAN

TO: SIXTH LINE CORPORATION %(all PINs)

1. KRPAN, JOHN

I am

- (a) A person in trust for whom the land conveyed in the above-described conveyance is being conveyed;
- (b) A trustee named in the above-described conveyance to whom the land is being conveyed;
- (c) A transferee named in the above-described conveyance;
- (d) The authorized agent or solicitor acting in this transaction for \_\_\_\_ described in paragraph(s) ( ) above.
- (e) The President, Vice-President, Manager, Secretary, Director, or Treasurer authorized to act for SIXTH LINE CORPORATION described in paragraph(s) ( C ) above.
- (f) A transferee described in paragraph ( ) and am making these statements on my own behalf and on behalf of \_\_\_\_ who is my spouse described in paragraph ( ) and as such, I have personal knowledge of the facts herein deposited to.

2. I have read and considered the definition of "single family residence" set out in subsection 1(1) of the Act. The land being conveyed herein:

does not contain a single family residence or contains more than two single family residences.

3. The total consideration for this transaction is allocated as follows:

(a) Monies paid or to be paid in cash	8,000,000.00
(b) Mortgages (i) assumed (show principal and interest to be credited against purchase price)	0.00
(ii) Given Back to Vendor	26,600,000.00
(c) Property transferred in exchange (detail below)	0.00
(d) Fair market value of the land(s)	0.00
(e) Liens, legacies, annuities and maintenance charges to which transfer is subject	0.00
(f) Other valuable consideration subject to land transfer tax (detail below)	0.00
(g) Value of land, building, fixtures and goodwill subject to land transfer tax (total of (a) to (f))	34,600,000.00
(h) VALUE OF ALL CHATTELS - items of tangible personal property	0.00
(i) Other considerations for transaction not included in (g) or (h) above	0.00
(j) Total consideration	34,600,000.00

PROPERTY Information Record

- A. Nature of Instrument: Transfer  
LRO 20 Registration No. HR865184 Date: 2010/07/30
- B. Property(s): PIN 24929 - 0117 Address 41 DUNDAS STREET EAST Assessment 2401010 - 030063000000 Roll No  
OAKVILLE
- C. Address for Service: 2500 Appleby Line, Suite 200,  
Burlington, Ontario L7L 0A2
- D. (i) Last Conveyance(s): PIN 24929 - 0117 Registration No. H808136  
(ii) Legal Description for Property Conveyed : Same as in last conveyance? Yes  No  Not known
- E. Tax Statements Prepared By: Ali Ani Irani  
700-40 Sheppard Ave. W.  
North York M2N 6K9

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.

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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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