PROJECT NO. 7202

REPORT TO

1967012 ONTARIO INC.

ON

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT

1335, 1343, 1349 AND 1355 PLAINS ROAD EAST
BURLINGTON, ONTARIO

CONDUCTED BY:

S2S Environmental Inc.

1099 KINGSTON ROAD, SUITE 260
PICKERING, ONTARIO
L1V 1B5

TEL: (416) 410-4333
FAX: (416) 410-4088
www.s2se.com

NOVEMBER 23, 2017

1.0 EXECUTIVE SUMMARY

S2S Environmental Inc. (S2S) was retained by 1967012 Ontario Inc. (Client) to conduct a Phase One Environmental Site Assessment (ESA) for the three vacant properties and one commercial property municipally addressed as 1335, 1343, 1349 and 1355 Plains Road East in Burlington, Ontario (Phase One Property). For the purposes of this report, the four buildings on the Phase One Property with municipal addresses of 1335 Plains Road East will be referred as Building A, 1343 Plains Road East will be referred to as Building B, 1349 Plains Road East will be referred to as Building C and 1355 Plains Road East will be referred to as Building D.

At the time of the site reconnaissance, the Phase One Property consisted of two two-storey vacant buildings with full basements (Buildings A and B), one single-storey vacant building with no basement (Building C) and one single-storey commercial building with no basement (Building D) (collectively, the Subject Buildings). Building A was located on the west portion of the Phase One Property and was reportedly constructed in approximately the early-1970s; Building B was located on the west-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; Building C was located on the east-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; and Building D was located on the east portion of the Phase One Property and was reportedly constructed in approximately the early-1950s. Vehicular access to the Phase One Property was from four asphalt paved driveways off Plains Road East, located on the south side of the Phase One Property; and from one asphalt paved driveway off Helena Street, located on the northeast side of the Phase One Property. Asphalt paved surface parking and driveway areas were located on the north, east and south sides of Building A; the north and east sides of Buildings B and C; and the north and west sides of Building D. Landscaped areas were generally present along the north, east and south property boundaries and on the west-central portion of the Phase One Property. The total floor area of the Subject Buildings was reportedly 1,691 m^2 (18,202 ft^2), and the Phase One Property had a total area of 0.5 hectares (1.2 acres). The Property Identification Numbers (PINs) for the Phase One Property are 07081-0236, 07081-0214 and 07081-0213, respectively. The properties which comprise the Phase One Property with the municipal addresses 1335, 1343 and 1349 Plains Road East were reportedly owned by 1967012 Ontario Inc., while the property located at 1355 Plains Road East was reportedly owned by 1445470 Ontario Inc.

It is understood that this Phase One ESA is being carried out for redevelopment purposes with the City of Burlington (the City). It is understood that a Record of Site Condition (RSC) pursuant to *Ontario Regulation 153/04 – Records of Site Condition – Part XV.1 of the Environmental Protection Act, as amended (O. Reg. 153/04)*, will be filed for the Phase One Property with the Ontario Ministry of the Environment and Climate Changes (MOECC).

Based on information gathered and observations made, the Phase One ESA has identified the following Areas of Potential Environmental Concern (APECs) resulting from Potentially Contaminating Activities (PCAs) at the Phase One Property or within the Phase One Study Area:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 1 Subsurface soils in the vicinity of the east portion of the Phase One Property	East portion of the Phase One Property	52 – Storage, Maintenance, Fueling and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems	On-site	VOCs, PHCs, PAHs, metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN^-	Soil, Groundwater
APEC 2 Near surface soils (i.e. fill materials) at the Phase One Property	Entire Phase One Property	30 – Importation of Fill Material of Unknown Quality	On-site	PAHs, metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN^-, EC, SAR	Soil
APEC 3 Subsurface soils in the vicinity of the southwest, east-central and east portions of the Phase One Property	Southwest, east-central and east portions of the Phase One Property	28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs	Soil, Groundwater

Based on the above-noted APECs identified during the completion of this Phase One ESA, it is recommended that a Phase Two ESA be completed at the Phase One Property to assess the quality of the soils and groundwater in accordance with the current applicable MOECC *O. Reg. 153/04* Standards.

The statements made in this Executive Summary text are subject to the same limitations included in the Closure (see Section 11.0), and are to be read in conjunction with the remainder of this report.

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2.0 INTRODUCTION

S2S Environmental Inc. (S2S) was retained by 1967012 Ontario Inc. (Client) to conduct a Phase One Environmental Site Assessment (ESA) for the three vacant properties and one commercial property municipally addressed as 1335, 1343, 1349 and 1355 Plains Road East in Burlington, Ontario (Phase One Property). For the purposes of this report, the four buildings on the Phase One Property with municipal addresses of 1335 Plains Road East will be referred as Building A, 1343 Plains Road East will be referred to as Building B, 1349 Plains Road East will be referred to as Building C and 1355 Plains Road East will be referred to as Building D.

This Phase One ESA was completed in accordance with *Ontario Regulation 153/04 (O. Reg. 153/04) (including amendments up to O. Reg. 333/13 – Record of Site Condition (as amended))*. It is understood that this Phase One ESA is being carried out for redevelopment purposes with the City of Burlington (the City). It is understood that a Record of Site Condition (RSC) pursuant to *O. Reg. 153/04 (as amended)* will be filed for the Phase One Property with the Ontario Ministry of the Environment and Climate Change (MOECC).

The purpose of the Phase One ESA was to identify where any potentially contaminating activities (PCAs) are occurring, or have occurred, which may have resulted in the identification of current or historic areas of potential environmental concern (APECs) at the Phase One Property (i.e. PCAs as outlined in Table 2 of Schedule D of *O. Reg. 153/04* (as amended)). The purpose of the Phase One ESA was also to determine whether a Phase Two ESA is required at the Phase One Property.

2.1 Phase One Property Information

At the time of the site reconnaissance, the Phase One Property consisted of two two-storey vacant buildings with full basements (Buildings A and B), one single-storey vacant building with no basement (Building C) and one single-storey commercial building with no basement (Building D) (collectively, the Subject Buildings). Building A was located on the west portion of the Phase One Property and was reportedly constructed in approximately the early-1970s; Building B was located on the west-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; Building C was located on the east-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; and Building D was located on the east portion of the Phase One Property and was reportedly constructed in approximately the early-1950s. Vehicular access to the Phase One Property was from four asphalt paved driveways off Plains Road East, located on the south side of the Phase One Property; and from one asphalt paved driveway off Helena Street, located on the northeast side of the Phase One Property. Asphalt paved surface parking and driveway areas were located on the north, east and south sides of Building A; the north and east sides of Buildings B and C; and the north and west sides of Building D. Landscaped areas were generally present along the north, east and south property boundaries and on the west-central portion of the Phase One Property. The total floor area of the Subject Buildings was reportedly 1,691 m^2 (18,202 ft^2), and the Phase One Property had a total area of 0.5 hectares (1.2 acres). The Property Identification Numbers (PINs) for the Phase One Property are 07081-0236,

07081-0214 and 07081-0213, respectively. The properties which comprise the Phase One Property with the municipal addresses 1335, 1343 and 1349 Plains Road East were reportedly owned by 1967012 Ontario Inc., while the property located at 1355 Plains Road East was reportedly owned by 1445470 Ontario Inc.

The Phase One Property was located near the northwest corner of the intersection of Plains Road East and Helena Street in the City of Burlington. A site location map (Ontario Base Map (OBM)), an aerial photograph depicting the Phase One Conceptual Site Model (CSM) and any PCAs affecting the Phase One Property, and a site plan showing neighbouring land uses, and any APECs on the Phase One Property are included in Appendix A of this report as Drawing Nos. 1 to 3, respectively.

Authorization to proceed with this Phase One ESA was received from Mr. Ayaz Adatiya of 1967012 Ontario Inc. on September 12, 2017. At the time of the Phase One ESA, the Phase One Property was owned by 1967012 Ontario Inc. and 1445470 Ontario Inc. The owner contact information is as follows:

Table 1 - Property Ownership Details

1335, 1343 and 1349 Plains Road East, Burlington, Ontario	
Company Name	1967012 Ontario Inc.
Company Address	1 Kawana Road, Brampton, Ontario
Company Contact Name	Mr. Ayaz Adatiya
Contact Telephone Number	(416) 520-0969
Contact Email Address	ayazadatiya@gmail.com
1355 Plains Road East, Burlington, Ontario	
Company Name	1445470 Ontario Inc.
Company Address	17 Carl Crescent, Waterdown, Ontario
Company Contact Name	Mr. Peter Contant
Contact Telephone Number	(905) 631-8281
Contact Email Address	pmc.57@hotmail.com

3.0 SCOPE OF INVESTIGATION

3.1 Regulatory Framework

Applicable federal, provincial and municipal regulations were reviewed to identify the presence of current or historical PCAs which may have resulted in the identification of APECs at the Phase One Property, and to develop appropriate recommendations. It should be noted, however, that this assessment did not include a review or audit of operational environmental compliance and health and safety issues, zoning/property ownership issues, easements or encumbrances, or of any environmental management systems (EMS), which may exist for the property.

In Ontario, the roles and powers of the Ontario MOECC when dealing with contaminated sites are outlined primarily in the Environmental Protection Act (R.S.O. 1990). The MOECC has a mandate to address conditions where there is an adverse effect, or the likelihood of an adverse

effect, associated with the presence or discharge of a contaminant. *O. Reg. 153/04* (as amended) (including amendments up to *O. Reg. 333/13*) - Records of Site Condition, provides advice and information to property owners and consultants to use when assessing the environmental condition of a property, when determining whether or not restoration is required and in determining the kind of restoration needed to allow continued use or reuse of the site. The regulation includes generic numerical standards for soil and groundwater quality for specific land and groundwater uses. A Phase One ESA is an initial step in the site assessment process, which may lead to the requirement for restoration work if actual or potential sources of environmental contamination are identified.

A Phase One ESA also involves a review of the Subject Buildings (if present) for the potential presence of hazardous materials related to building components and materials. Specific federal or provincial regulations exist for these individual hazardous materials. Where required, the applicable regulation was utilized to determine appropriate conclusions and formulate appropriate recommendations.

3.2 Scope of Work

A Phase One ESA is a preliminary assessment of the environmental condition of a property, based on a review of current and historical activities occurring at both the Phase One Property and within 250 m of the boundaries of the Phase One Property. This Phase One ESA was completed to provide sufficient information to determine if any PCAs within 250 m of the Phase One Property boundaries have resulted in the identification of APECs at the Phase One Property, and to determine the necessity for a Phase Two ESA, if required, at the Phase One Property. The Phase One ESA carried out by S2S on this Phase One Property was based on the requirements of the *O. Reg. 153/04* (as amended).

The Phase One ESA consisted of a Records Review including the following:

- Readily available city directories and Fire Insurance Plans (FIPs) from the Toronto Reference Library;
- Aerial photographs from the National Air Photo Library (NAPL) and Google Earth;
- Previous environmental reports (if made available to S2S);
- Information obtained from Opta Information Intelligence Inc. (Opta) including available Property Underwriters Reports (PURs) and Property Underwriters Plans (PUPs) (as requested and if available);
- An environmental database review completed by EcoLog Environmental Risk Information Services Ltd. (ERIS) for both the Phase One Property and all properties within a 300 m radius of the Phase One Property boundaries;
- Selected topographic and geological maps;
- On-line Provincial Plan Areas & Land Use Designations and Environmentally Sensitive Areas maps provided by Halton Region; and Areas of Natural and Scientific Interest (ANSIs) maps provided online by the Ministry of Natural Resources and Forestry (MNRF)
- Contact with selected regulatory officials and personnel associated with the Phase One

Property (through Freedom of Information (FOI) and Technical Standards & Safety Authority (TSSA)) requests and personnel;
- Title searches (detailing property ownership from Crown ownership to the present) for PINs 07081-0236, 07081-0214 and 07081-0213 were conducted for the Phase One Property on August 18, 2016 and September 21, 2017 at Land Registry Office #20, Milton, Ontario, and prepared by Stewart Davey Title Search;
- Site Reconnaissance;
- Reviewing the current and historical land use for both the Phase One Property and surrounding properties within the Phase One Study Area; and
- Evaluation of information and preparation of the report provided herein.

The professional qualifications of the project team are provided in Appendix C.

4.0 RECORDS REVIEW

4.1 General

4.1.1 Phase One Study Area Determination

As discussed in Section 2.1 above, the Phase One Property was located near the northwest corner of the intersection of Plains Road East and Helena Street, and was municipally addressed as 1335, 1343, 1349 and 1355 Plains Road East. The Phase One Property consisted of two two-storey vacant buildings with full basements (Buildings A and B) which were constructed in approximately the early-1970s and late-1950s, respectively; one single-storey vacant building with no basement (Building C) which was constructed in approximately the late-1950s; and one single-storey commercial building with no basement (Building D) which was constructed in approximately the early-1950s. The remainder of the Phase One Property consisted of vehicular access to the Phase One Property from five asphalt paved driveways, asphalt paved surface parking and driveway areas, and landscaped areas. The Phase One Property had a total area of 0.5 hectares (1.2 acres), and was 95 m in length and 60 m in width.

The Phase One Study Area consisted of the Phase One Property and all adjacent or neighbouring land/properties located totally or partially within a 250 m radius of the Phase One Property. The applicable search distance for the records review for the Phase One Study Area included all properties within 250 m of the Phase One Property, where PCAs are occurring, or have occurred, and may have resulted in the identification of current or historic APECs at the Phase One Property (i.e. PCAs as outlined in Table 2 of Schedule D of *O. Reg. 153/04* (as amended)). Properties located more than 250 m from the Phase One Property were not included in the Phase One Study Area based on our review of both current and historical property uses and activities, the inferred direction of groundwater flow, and the assumed permeability of the subsoils. Essentially, S2S concluded that assessing information pertaining to properties within 250 m of the Phase One Property was sufficient to achieve the objectives of the Phase One ESA.

4.1.2 First Developed Use Determination

The first developed use was derived from an assessment of the available records, including, but not limited to aerial photographs, title search information, city directories and information provided by knowledgeable persons associated with the Phase One Property.

Based on the available information to-date, the east portion of the Phase One Property was first developed with a light industrial building (Building D) in approximately the early-1950s. The remaining portions of the Phase One Property were developed with single-family residential dwellings (1335 and 1339 Plains Road East and Building B) and a light industrial building (Building C) in approximately the late-1950s.

4.1.3 Fire Insurance Plans

A search of FIP records was conducted in September, 2017 at the City of Toronto Reference Library. One FIP was available for both the Phase One Property and/or the adjacent and neighbouring properties from September, 1971. The FIP indicated the initial development and historical development patterns of the Phase One Property and the immediate adjacent/neighbouring properties within the Phase One Study Area, where available. Based on our review, the following information was noted:

Table 2 - Summary of Available Fire Insurance Plans

Date of FIP	Phase One Property	Adjacent/Neighbouring Properties within the Phase One Study Area	PCA	APEC
September, 1971	The Phase One Property appeared to be developed with an unknown number of "mostly wood dwellings" and two light industrial buildings (an organ manufacturer and a machine shop) at that time. The light industrial buildings located on the east-central and east portions of the Phase One Property appeared to be the current Buildings C and D, with the municipal addresses of 1349 and 1355 Plains Road East.	**North of the Phase One Property** The immediate adjacent properties to the north were not covered in this FIP.	None identified	None identified
		East of the Phase One Property The immediate neighbouring properties to the east (across Helena Street) were occupied by a single-family residential dwelling (1019 Helena Street) and a multi-tenant residential building (1365 Plains Road East).	None identified	None identified
		South of the Phase One Property The immediate neighbouring properties to the south (across Plains Road East) were occupied by a single-family residential dwelling and a motorcycle sales and service shop (1364 Plains Road East, formerly 1352 and 1358 Plains Road East), and a single-family residential dwelling (1368 Plains Road East, formerly 1364 Plains Road East).	None identified	None identified

Date of FIP	Phase One Property	Adjacent/Neighbouring Properties within the Phase One Study Area	PCA	APEC
		West of the Phase One Property The immediate adjacent property (1333 Plains Road East) to the west of the Phase One Property was occupied by one single-family residential dwelling.	None identified	None identified

Further information regarding the above adjacent and neighbouring properties is discussed in Section 9.1 of this report.

4.1.4 Chain of Title

As discussed in Section 2.1 of this report, the PINs for the Phase One Property are 07081-0236, 07081-0214 and 07081-0213. Chain of Title Searches, completed on August 18, 2016 and September 21, 2017, were undertaken by Stewart Davey Title Search, a professional land title searcher, at Land Registry Office #20, Milton, Ontario. The chain of title was commissioned to determine the history of ownership and occupants of the Phase One Property dating back to crown ownership. Table 8, Current and Past Uses of the Phase One Property, (please refer to Section 9.1.2 of this report) provides a detailed list of all land owners of the Phase One Property, with associated dates of ownership, from crown ownership to the present. A summary of the Chain of Title for the Phase One Property is provided in Table 3 below, and outlines individual and group ownership at the Phase One Property:

Table 3 - List of Individuals and Group Owners of the Phase One Property with the Reported Dates of Ownership

PIN		Owner(s)	Dates of Ownership
07081-0236	1335 Plains Road East	1967012 Ontario Inc.	2017 to present
		2230168 Ontario Inc.	2010 to 2017
		Alfred M. Ressel and Jolanta G. Ressel	1965 to 2010
		Wasyl Hrycak and Aline Hrycak	1953 to 1965
		Peter Pawlowski	1948 to 1953
		Joseph Kerry and Helen Kerry	1946 to 1948
		Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	1945 to 1946
		Oskar Neuman and Wanda Neuman	1940 to 1945
		Charles Ernest Taylor	1920 to 1940
		Joseph Freeman	1875 to 1920
		Joseph Freeman	1845 to 1875

PIN		Owner(s)	Dates of Ownership
		Joshua Freeman	1818 to 1845
		Ralph Holden	1810 to 1818
		Joseph Brant	1798 to 1810
		Crown Lands	Prior to 1798
	1339 Plains Road East	1967012 Ontario Inc.	2017 to present
		2230168 Ontario Inc.	2010 to 2017
		Alfred M. Ressel and Jolanta G. Ressel	1981 to 2010
		Mariola H. McGinn (nee Ressel)	1973 to 1981
		Hillibrand Van Der Zevan and Grace Van Der Zevan	1964 to 1973
		Arend Buiter and Aaltic Buiter	1953 to 1964
		Charles H. Umare	1953 to 1953
		Charles Lamare and Rose Marie Lamare	1950 to 1953
		Joseph Kerry, Helen Kerry, Charles Lamare and Rose Marie Lamare	1948 to 1950
		Joseph Kerry and Helen Kerry	1946 to 1948
		Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	1945 to 1946
		Oskar Neuman and Wanda Neuman	1940 to 1945
		Charles Ernest Taylor	1920 to 1940
		Joseph Freeman	1875 to 1920
		Joseph Freeman	1845 to 1875
		Joshua Freeman	1818 to 1845
		Ralph Holden	1810 to 1818
		Joseph Brant	1798 to 1810
		Crown Lands	Prior to 1798
	1343 Plains Road East	1967012 Ontario Inc.	2017 to present
		2230168 Ontario Inc.	2010 to 2017
		Alfred M. Ressel and Jolanta G. Ressel	1985 to 2010
		Poldy G. Kush and Vivian G. Kush	1948 to 1985
		Joseph Kerry and Helen Kerry	1946 to 1948
		Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	1945 to 1946
		Oskar Neuman and Wanda Neuman	1940 to 1945
		Charles Ernest Taylor	1920 to 1940
		Joseph Freeman	1875 to 1920
		Joseph Freeman	1845 to 1875
		Joshua Freeman	1818 to 1845
		Ralph Holden	1810 to 1818
		Joseph Brant	1798 to 1810
		Crown Lands	Prior to 1798
07081-0214		1967012 Ontario Inc.	2017 to present
		1810880 Ontario Inc.	2010 to 2017
		770560 Ontario Inc.	1988 to 2010

PIN	Owner(s)	Dates of Ownership
	Jean Guy Dube and Jeannine Dube	1967 to 1988
	Olive Viola Healy (nee Owens)	1964 to 1967
	Olive Viola Owens and John Paul Owens	1960 to 1964
	John Fuller and His Wife and John Paul Owens	1950 to 1960
	John Fuller	1950 to 1950
	Joseph Kerry and Helen Kerry	1946 to 1950
	Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	1945 to 1946
	Oskar Neuman and Wanda Neuman	1940 to 1945
	Charles Ernest Taylor	1920 to 1940
	Joseph Freeman	1875 to 1920
	Joseph Freeman	1845 to 1875
	Joshua Freeman	1818 to 1845
	Ralph Holden	1810 to 1818
	Joseph Brant	1798 to 1810
	Crown Lands	Prior to 1798
07081-0213	1445470 Ontario Inc.	2001 to present
	Comcare Limited	1990 to 2001
	William Weins	1950 to 1990
	Joseph and Helen Kerry	1945 to 1950
	Oskar Neuman and Wanda Neuman	1940 to 1945
	Charles Ernest Taylor	1920 to 1940
	Joseph Freeman	1875 to 1920
	Joseph Freeman	1845 to 1875
	Joshua Freeman	1818 to 1845
	Ralph Holden	1810 to 1818
	Joseph Brant	1798 to 1810
	Crown Lands	Prior to 1798

4.1.5 Environmental Reports

S2S requested the Client to provide all available information for the Phase One Property with respect to the current Phase One ESA. Company records provided by the Client consisted of previous environmental assessments of the Phase One Property.

These previous reports/documents were used as sources of background information by S2S during the completion of this Phase One ESA report.

A summary of each of the previous environmental reports is discussed below:

***"Plan of Survey Showing Part of Lot 12 and Lot 13, Registered Plan 393, City of Burlington, Regional Municipality of Halton"*, prepared by Sewell & Sewell Ontario Land Surveyors, dated March 30, 1977**

***"Survey of Plan 393, City of Burlington, Municipality of Halton"*, prepared by Yates & Yates Ontario Land Surveyors, dated October 16, 1990**

***"Phase I Environmental Site Assessment, 1335-1349 Plains Road East, Burlington, Ontario"* report, prepared for DVLP Property Group Inc., prepared by S2S, dated August 26, 2016 (hereinafter referred to as the '2016 S2S Phase I ESA' report)**

In 2016, S2S completed a Phase I ESA for the west, west-central and east-central portions of the Phase One Property associated with the municipal addresses 1335, 1343 and 1349 Plains Road East. The following information within the 2016 S2S Phase I ESA report was of note:

- According to available PUPs and PURs for 1339 and 1349 Plains Road East, the buildings on these properties were historically heated by oil-fired forced-air. This suggests the presence of historical aboveground storage tanks (ASTs) associated with the storage of fuel/furnace oil for a boiler or furnace within these buildings; and

S2S concluded in the report, "based on information gathered and observations made to-date, the Phase I ESA has revealed that the likelihood of current significant adverse environmental contaminant impact to the Subject Property appears low" and "there are no recommendations made for a Phase II ESA at the Subject Property at this time based on the findings of this Phase I ESA".

***"1335 Plains Rd Est. Development"* site plan, prepared by Chamberlain Architects Constructors Managers, dated July 29, 2016**

***"Plan of Survey and Topography of Part of Lot 15, Registered Plan 99 and Lot 13 and Part of Lot 21, Registered Plan 393, City of Burlington, Regional Municipality of Halton"*, prepared by J.H. Gelbloom Surveying Limited Ontario Land Surveyor, dated September 1, 2016**

***"Plains Road"* site plan, prepared by Chamberlain Architects Constructors Managers, dated July 5, 2017**

4.2 Environmental Source Information

4.2.1 Selected Regulatory History

Appropriate selected regulatory agencies at the provincial level (MOECC) and TSSA were contacted (via the FOI process) to determine if there had been any reported incidents for the Phase One Property (see Appendix D for sources contacted). Information that was requested included:

i). Environmental permits;
ii). Past or pending environmental control orders, charges, convictions or complaints;
iii). Outstanding environmental regulatory non-compliance issues, including reportable spills; and

iv). Any other pertinent information they may provide with respect to environmental search requests.

Technical Standards & Safety Authority

Correspondence with the TSSA on September 25, 2017 indicated that there were no records on file (from 1990 to present) indicating any historical or present aboveground storage tanks (ASTs) or USTs (for private/retail fuel outlets (PFOs/RFOs) at either the Phase One Property or the following properties located within the Phase One Study Area:

- 1325, 1364 and 1365 Plains Road East, Burlington;
- 1317 and 1321 Bonnie Court, Burlington; and
- 1024 Helena Street, Burlington.

It should be noted that the Fuels Safety Division of the TSSA did not license or register private fuel underground/aboveground storage tanks prior to January of 1990 or furnace oil tanks prior to May 1, 2002. Also note that the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences or aboveground gasoline or diesel tanks for non-retail fuel outlets.

MOECC Freedom of Information and Privacy Protection Office

Written requests were made to the FOI and Privacy Protection Office, of the MOECC, on September 14, 2017, for any information available at the MOECC Halton-Peel District Office, Investigations and Enforcement Branch, Sector Compliance Branch, and/or Safe Drinking Water Branch in regard to the Phase One Property. Written responses were received from the MOECC on September 25, 2017 and October 3, 2017. Based on the records reviewed, the following records for the Phase One Property were found in the files of the MOECC:

- Two MOECC drinking water inspection reports for Buildings A and C, dated June 21, 2012. A lead exceedance was noted in the drinking water in Building A on September 23, 2015. Corrective actions (daily flushing of the water for 10 minutes prior to opening the facility) were put into place to address this exceedance. Based on the findings of these reports, the MOECC concluded that "the analysis of ministry data confirms that none of the test results from the most recent 24 months have exceeded the Ontario Drinking Water Quality Standards (ODWQS) for lead (10 µg/L)."

MOECC Publications Review

A review of the following publications was carried out as part of this Phase One ESA:

1. MOECC Inventory of Coal Gasification Plant Waste Sites in Ontario, Vol. I & II, April, 1987;
2. MOECC Waste Disposal Site inventory, June, 1991;

3. MOECC Ontario Inventory of Polychlorinated Biphenyl (PCB) Storage Sites, October, 2004;
4. The MOECC Hazardous Waste Information Systems (HWIS), Public Information Data Set, 1986 to 2015;
5. The MOECC on-line Hazardous Waste Information Network (HWIN), Registered Generator List (October, 2017); and
6. The MOECC on-line Brownfields Environmental Site Registry (ESR) (November, 2017).

The review of the above publications did not indicate the presence of any nearby coal gasification plant waste sites, historical waste disposal site or PCB storage site within 1 km of the Phase One Property.

The Phase One Property was not listed on the Brownfields Environmental Site Registry, in accordance with the RSC *O. Reg. 153/04* as amended requirements of Part XV.1 of the Environmental Protection Act. However, the following adjacent/neighbouring properties were listed on the Brownfields Environmental Site Registry:

- RSC #45717, filed in October, 2008 for 1401 Plains Road East (approximately 175 m east of the Phase One Property, in an assumed cross-gradient location) – A Phase I ESA, Phase II ESA, delineation of contaminant-impacted soil, and soil remediation and confirmatory soil sampling were reportedly completed in conjunction with the RSC. The above-mentioned property was observed to be occupied by a multi-tenant commercial/residential building at the time of site reconnaissance.

- RSC #58115, filed in July, 2009 for 1401 Plains Road East (approximately 175 m east of the Phase One Property, in an assumed cross-gradient location) – A Phase I ESA, Phase II ESA, delineation of contaminant impacted soil, soil remediation and confirmatory soil sampling, supplemental soil sampling and updated supplemental soil sampling were reportedly completed in conjunction with the RSC. The above-mentioned property was observed to be occupied by a multi-tenant commercial/residential building at the time of site reconnaissance.

- RSC #214226, filed in July, 2014 for 1325 Plains Road East (approximately 20 m west of the Phase One Property, in an assumed cross-gradient location) – A Phase I ESA was reportedly completed in conjunction with the RSC. The above-mentioned property was observed to be occupied by a multi-tenant residential building at the time of site reconnaissance.

It should be noted that there was no Risk Assessments requested/completed for the above-noted properties. Based on the above-mentioned records, the distances and location of the above-noted RSC properties to the Phase One Property, it is unlikely that there is environmental contaminant impact to the Phase One Property from the above-noted neighbouring RSC properties.

The Phase One Property and the immediate adjacent properties in the vicinity of the Phase One Property were not listed on the MOECC HWIN (October, 2017) list as generators of registerable wastes. Additionally, the Phase One Property was not listed on the MOECC HWIS (1986 to 2015) list as a generator of registerable wastes. However, the following neighbouring property in the vicinity of the Phase One Property was listed on the MOECC HWIS (1986 to 2015) list as a generator of registerable wastes:

- Burlington Taxi Limited, located at 1364 Plains Road East (approximately 40 m south (across Plains Road East), in an assumed down-gradient location) was listed under Generator Number ON1166700 as a generator of the following registerable waste:
    - Waste crankcase oils and lubricants (252 L) from approximately 1989 to 2000;
    - Petroleum distillates (213 I) from approximately 1995 to 2000; and
    - Aliphatic solvents and residues (212 L) from approximately 1998 to 2000.

It is unknown how the above-mentioned registerable wastes were historically stored and managed on this neighbouring property. However, at the time of the site visit, observations of this neighbouring property (where accessible/visible) did not reveal any visual evidence of outside chemical storage in drums and/or obvious visual evidence of spills or staining. Based on our visual observations and available information to-date, it is unlikely that there is significant adverse environmental contaminant impact to the Phase One Property from the historical generation of registerable wastes at the above-noted neighbouring property.

Based on the above regulatory history searches and responses or information received (from regulatory agencies) to-date, and our visual observations, it is unlikely that there is significant adverse environmental contaminant impact to the Phase One Property.

EcoLog Environmental Risk Information Service (ERIS) Report

An ERIS Report was requested and reviewed as part of this Phase One ESA. A copy of the report is provided in Appendix F. The following is a summary of pertinent information (that could be considered a potential environmental concern to the Phase One Property) associated with the Phase One Property and the immediate adjacent/neighbouring properties in all directions of the Phase One Property.

Phase One Property

There was no pertinent information included in the EcoLog ERIS report regarding the Phase One Property.

Adjacent/Neighbouring Properties within the Phase One Study Area

List of TSSA Expired Facilities (EXP) Database

Burlington Taxi Ltd., located at 1364 Plains Road East (approximately 40 m south of the Phase One Property, in an assumed down-gradient location), was registered for two expired Fuel Safety (FS) propane tanks and one expired FS propane refill centre.

Based on our visual observations, the benign nature of the contents of the expired propane tanks and the assumed down-gradient location of this neighbouring property, it is unlikely that the former propane storage at this neighbouring property represents a potential environmental concern to the Phase One Property.

Ontario Regulation 347 Waste Generators Summary (GEN) Database

Historical generators of registerable wastes within the Phase One Study area which were not previously summarized include the following:

- Stone Gate Properties Inc., located at 1400 Plains Road East (approximately 110 m southeast of the Phase One Property, in an assumed down/cross-gradient location) was listed under Generator Number ON6982753 to generate the following registerable wastes from 2009 to 2011, from 2013 to 2014 and in 2016:
    - Inert inorganic wastes (150) (2009 to 2011 and 2013 to 2014 only); and
    - Waste oils/sludges (petroleum based) (251).

- Holland Chevrolet Oldsmobile, located at 1401 Plains Road East (approximately 175 m east of the Phase One Property, in an assumed cross-gradient location) was listed under Generator Number ON2740338 as a generator of the following registerable waste from 2007 to 2008:
    - Light fuels (221).

- Canadian Tire Corporation, located at 1435 Plains Road East (approximately 245 m east of the Phase One Property, in an assumed cross-gradient location) was listed under Generator Number ON3881175 as a generator of the following registerable wastes from 2016 to the present:
    - Miscellaneous waste organic chemicals (263); and
    - Waste compressed gases, including cylinders (331 I).

- General Printing Ink Corp, located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON0086701 as a generator of the following registerable wastes from 1986 to 1989 and from 1992 to 1998:
    - Wastes from the use of paints, pigments and coatings (145); and
    - Petroleum distillates (213).

- May & Baker Canada Inc., located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON0048001 as a generator of the following registerable wastes from 1986 to 1998:
    - Chemical fertilizer wastes (147);
    - Miscellaneous waste inorganic chemicals (148);
    - Aromatic solvents and residues (211);
    - Aliphatic solvents and residues (212);

  - Halogenated solvents and residues (241);
  - Halogenated pesticides and herbicides (242);
  - Miscellaneous waste organic chemicals (263); and
  - Organic non-halogenated pesticide and herbicide wastes (269).

- Canada Printing Ink, located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON0018303 as a generator of the following registerable waste from 1986 to 1988:
  - Polymeric resins (232).

- Sun Chemical Corporation Limited, located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON1386703 as a generator of the following registerable wastes from 1993 to 2002:
  - Wastes from the use of paints, pigments and coatings (145);
  - Other specified inorganic sludges, slurries or solids (146);
  - Aromatic solvents and residues (211);
  - Petroleum distillates (213);
  - Waste oils/sludges (petroleum based) (251) (1999 to 2002 only); and
  - Waste crankcase oils and lubricants (252) (1999 to 2002 only).

- Reichold Chemicals, located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON7690996 as a generator of registerable wastes from 2011 to 2012. It should be noted that there were no records of waste generation for this generator.

- Reichold Limited, located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON0018305 as a generator of the following registerable wastes in 1990, from 1992 to 2001:
  - Halogenated pesticides and herbicides (242).

- Sun Chemical Limited, located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON1386703 as a generator of the following registerable wastes from 2003 to 2012:
  - Alkaline solutions, sludges and residues containing heavy metals (122);
  - Wastes from the use of paints, pigments and coatings (145);
  - Other specified inorganic sludges, slurries or solids (146);
  - Aromatic solvents and residues (211);
  - Petroleum distillates (213);
  - Halogenated pesticides and herbicides (242);
  - Waste oils/sludges (petroleum based) (251); and

  - Waste crankcase oils and lubricants (252).

- Niagara Chemical, located at 1274 Plains Road East (approximately 90 m south of the Phase One Property, in an assumed down-gradient location) was listed under Generator Number ON0226100 as a generator of registerable wastes from 1986 to 1994. It should be noted that there were no records of waste generation for this generator.

It is unknown how the above-mentioned registerable wastes were historically stored and managed on these neighbouring properties. However, at the time of the site visit, observations of these neighbouring properties (where accessible/visible) did not reveal any visual evidence of outside chemical storage in drums and/or obvious visual evidence of spills or staining. Based on our visual observations, the distances from the Phase One Property (ranging from 90 m to 245 m), it is unlikely that there is environmental contaminant impact to the Phase One Property from generation of registerable wastes at the above-noted neighbouring properties.

Private Retail Tank (PRT) Database

Burlington Taxi Ltd., located at 1364 Plains Road East (approximately 40 m south of the Phase One Property, in an assumed down-gradient location) was registered for one expired retail tank with a capacity of 2,000 L. This retail tank reportedly expired in 1994.

Based on our visual observations and the down-gradient location of this neighbouring property, it is unlikely that historical fuel storage in this expired retail tank represents a potential environmental concern to the Phase One Property.

Retail Fuel Storage Tanks (RST) Database

Gaslink Services Inc., located at 1364 Plains Road East (approximately 40 m south of the Phase One Property, in an assumed down-gradient location), was registered as a propane gas refilling, sales and service facility.

Based on our visual observations, the benign nature of propane, and the assumed down-gradient location of this neighbouring property, it is unlikely that the propane storage at this neighbouring property represents a potential environmental concern to the Phase One Property.

Ontario Spills (SPL) Database

Approximately 20 L of furnace oil was reportedly spilled from a tank truck to the road at the intersection of Helena Street and Plains Road East on January 26, 2001. According to the MOECC incident report provided in the SPL database, this spill was cleaned and environmental impact was not anticipated.

Based on our visual observations and available information, it is unlikely that this historical spill represents a potential environmental concern to the Phase One Property.

Boreholes (BORE) Database

- A total of 11 borehole records were listed within a 300 m radius of the Phase One Property. A summary of the borehole records indicated the following:
    - The boreholes were drilled for geotechnical/geological investigation purposes with dates between 1965 and 1967;
    - The minimum borehole depth was 2.3 m bgs;
    - The maximum borehole depth was 11.1 m bgs; and
    - Bedrock was not encountered in any of the boreholes.

Water Well Information System (WWIS) Database

- A total of 7 observation/monitoring/test holes use water wells were listed within a 300 m radius of the Phase One Property, within the Phase One Study Area. A summary of the well records indicated the following:
    - The wells were installed between 1952 and 2016;
    - The wells depths ranged from 3.0 m bgs to 27.4 m bgs, with two unknown depths;
    - The wells were completed as observation wells/monitoring wells or domestic groundwater wells.

Further information regarding the above-noted properties and the reported associated historical and current operations at the above-noted properties, as detailed in the ERIS report, and the potential for environmental contaminant impact from these neighbouring properties is discussed in Sections 9.1.3 and 9.1.4 of this report.

Property Underwriters' Reports (PURs) and Property Underwriters' Plans (PUPs)

One PUR dated 1985 was available for the property located at 1335 Plains Road East (Building A) and was obtained from Opta. According to the PUR, the following relevant information was noted:

- Building A was occupied by an institutional tenant (The Ressel Day Nursery School) at that time.

One PUR dated 1985 was available for the property located at 1339 Plains Road East and was obtained from Opta. According to the PUR, the following relevant information was noted:

- A single-storey institutional building with a basement was present on this portion of the Subject Property at that time; and
- The source of heating for this institutional building was an oil-fired forced-air system at that time.

Two PURs dated 1977 were available for the property located at 1349 Plains Road East (Building C) and were obtained from Opta. According to these PURs, the following relevant

information was noted:

- Building C was occupied by a pipe organ manufacturer (Dubay Organs Ltd.) at that time;
- A storage shed was present on the west side of Building C at that time;
- No manufacturing of organ pipes occurred in Building C at that time; and
- The source of heating for Building C was an oil-fired forced-air heating system at that time.

One PUR dated 1978 was available for the property located at 1355 Plains Road East (Building D) and were obtained from Opta. According to the PUR, the following relevant information was noted:

- Building D was occupied by a machine shop (WGM Products) at that time;
- Lubricants and oil were reportedly used for machining operations, and oil spills associated with the machine shop were reported at that time; and
- The source of heating for Building D was two oil-fired forced-air furnaces at that time.

A copy of the above noted PURs are provided in Appendix G.

4.3 Physical Setting Sources

4.3.1 Aerial Photographs

Selected aerial photographs were obtained from the NAPL and Google Earth for the years 1934, 1959, 1973, 1986, 2004, 2009, 2014 and 2016. These aerial photographs are provided in Appendix G of this report. The aerial photographs reviewed detailed the period of time prior to the Phase One Property's first developed use to the near current time, and included both initial development and the historical development patterns of both the Phase One Property and immediate adjacent/neighbouring properties within the Phase One Study Area, where available. In order to determine both the initial development and the historical development patterns of the Phase One Property and the Phase One Study Area, S2S selected aerial photographs from above noted years, based on both availability/clarity and date intervals of the selected aerial photographs. Table 4 below summarizes the information from the review of relevant aerial photographs.

Table 4 - Summary of Aerial Photography

Year of Photograph	Findings for Phase One Property and Adjacent/Neighbouring Properties	
1934	Phase One Property, North, East, South and West	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast, east (across Helena Street), south (across Plains Road East) and west appeared to be undeveloped.
1959	Phase One Property	The Phase One Property appeared to be developed with three single-family residential dwellings on the west and west-

Year of Photograph	Findings for Phase One Property and Adjacent/Neighbouring Properties	
		central portions of the Phase One Property and two inferred commercial, institutional and/or light industrial buildings on the east-central and east portions of the Phase One Property with similar sizes and configurations to Buildings C and D.
	Northwest	The adjacent properties to the northwest of the Phase One Property appeared to be undeveloped.
	Northeast	The adjacent property to the northeast of the Phase One Property appeared to be occupied by a single-family residential dwelling.
	East	The neighbouring properties to the east (across Helena Street) of the Phase One Property appeared to be developed with a single-family residential dwelling and a multi-tenant residential building.
	South:	The neighbouring properties to the south (across Plains Road East) of the Phase One Property appeared to be developed with single-family residential dwellings.
	West:	The adjacent property to the west of the Phase One Property appeared to be occupied by a single-family residential dwelling.
1973	Phase One Property	The Phase One Property appeared to be developed with three inferred commercial, institutional and/or light industrial buildings with similar sizes and configurations as Buildings A, C and D and two single-family residential dwellings similar in size and configuration to Building B and the building formerly present at 1339 Plains Road East.
	Northwest, Northeast and West	The adjacent properties to the northwest, northeast and west of the Phase One Property appeared to be similar to that observed in the 1959 aerial photograph.
	East	The neighbouring properties to the east (across Helena Street) of the Phase One Property appeared to be occupied by a single-family residential dwelling and an inferred multi-tenant residential building.
	South	The neighbouring properties to the south (across Plains Road East) of the Phase One Property appeared to be redeveloped with inferred commercial buildings.
1986	Phase One Property, Northwest, Northeast, East, South and West	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast, east (across Helena Street), south (across Plains Road East) and west appeared to be similar to that observed in the 1973 aerial photograph.
2004	Phase One Property, Northeast, East, South and West	The Phase One Property and the adjacent/neighbouring properties to the northeast, east (across Helena Street), south (across Plains Road East) and west appeared to be similar to that observed in the 1973 aerial photograph.
	Northwest	The adjacent properties to the northwest of the Phase One Property appeared to be developed with single-family residential dwellings.
2009	Phase One Property, Northwest, Northeast, East, South and West	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast, east (across Helena Street), south (across Plains Road East) and west appeared to be similar to that observed in the 2004 aerial photograph.
2014	Phase One Property	The Phase One Property appeared to be developed with three inferred commercial, institutional and/or light industrial

Year of Photograph	Findings for Phase One Property and Adjacent/Neighbouring Properties	
		buildings and one inferred single-family residential dwelling similar in size and configuration as Buildings A, B, C and D.
	Northwest, Northeast, East and South	The adjacent/neighbouring properties to the northwest, northeast, east (across Helena Street) and south (across Plains Road East) of the Phase One Property appeared to be similar to that observed in the 2004 aerial photograph.
	West	The adjacent property to the west of the Phase One Property appeared to be vacant land.
2016	Phase One Property, Northwest, Northeast, East and South	The Phase One Property and the adjacent/neighbouring properties to the northwest, northeast, east (across Helena Street) and south (across Plains Road East) appeared to be similar to that observed in the 2014 aerial photograph.
	West	The adjacent property to the west of the Phase One Property appeared to be redeveloped with a multi-tenant residential building similar in size and configuration as the current multi-tenant residential building occupying this adjacent property.

The earliest available aerial photograph with coverage of the Phase One Study Area was from 1934, which indicated that the Phase One Property and the adjacent/neighbouring properties to the northwest, northeast, east (across Helena Street), south (across Plains Road East) and west of the Phase One Property were occupied by undeveloped lands. According to an aerial photograph from 1959, the Phase One Property appeared to be developed with three single-family residential dwellings (1335 and 1339 Plains Road East and Building B) on the west and west-central portions of the Phase One Property and two light industrial buildings (Buildings C and D) on the east-central and east portions of the Phase One Property at that time. According to an aerial photograph from 1973, the west portion of the Phase One Property appeared to be redeveloped with an institutional building (Building A). According to an aerial photograph from 2014, the single-family residential dwelling located at 1339 Plains Road East had been demolished at that time. According to an aerial photograph from 2016, the Phase One Property appeared to be occupied by the current Subject Buildings (Buildings A, B, C and D).

4.3.2 Topography, Hydrology, and Geology

Topography

Topographic information obtained from Google Earth, showed the site elevation to range from approximately 99 m to 103 m above mean sea level (amsl). The ground surface at the Phase One Property was generally visually noted to be flat, and surface water at the Phase One Property was assumed to infiltrate into the on-site landscaped areas; or drain towards on-site catch basins, which reportedly discharged to the municipal storm sewer system. It should be noted that the immediate adjacent/neighbouring properties to the northwest, northeast, east (across Helena Street), south (across Plains Road East) and west of the Phase One Property visually appeared to be generally at the same elevation as the Phase One Property.

Hydrology

The shallow horizontal groundwater flow direction in the area, based on apparent topography, was likely southeast towards Lake Ontario, located approximately 2.4 km southeast of the Phase One Property. It should be noted that the direction of shallow groundwater flow in limited areas are also be influenced by the presence of underground utility corridors and is not necessarily a reflection of local groundwater flow or a replica of the Phase One Property or area topography. A site-specific determination of groundwater flow would be required to obtain groundwater flow direction information for the Phase One Property.

Geology

Based on available surficial geology maps, accessed using Google Earth, the native surficial soils in the vicinity of the Phase One Property, are reportedly predominantly comprised of sand and gravel with minor silt and clay. Available geology maps (Ontario Geological Survey (OGS) database "Surface Geology Report") indicated that the Phase One Study Area is comprised of bedrock in the northeast portion and sand in the remaining portions of the Phase One Study Area.

According to information provided in the reviewed EcoLog ERIS report, a search of the Water Well Information System (WWIS) database for the Phase One Property and Phase One Study Area indicated that a total of 7 water well sites were located within 300 m of the Phase One Property. WWIS Well ID No. 7164921, an observation/monitoring well, was reportedly advanced on January 31, 2011, on the neighbouring property located at 1401 Plains Road East (approximately 175 m east of the Phase One Property) (UTM Zone 17, UTM Co-ordinates Northing – 4798939, Easting – 595833). In addition, it should be noted that S2S obtained the well record for this observation/monitoring well as part of a provincial online well record search. This monitoring and test hole was reportedly advanced to a depth of 4.6 m below ground surface (bgs) and consisted of the following stratigraphy:

- Packed brown gravel and sand from ground surface (0.0 m) to a reported depth of approximately 0.6 m bgs;
- Porous brown sand from a reported depth of 0.6 m bgs to a reported depth of 1.8 m bgs;
- Dense grey clay and silt from a reported depth of 1.8 m bgs to a reported depth of 2.7 m bgs; and
- Red shale from a reported depth of 2.7 m bgs to a reported depth of 4.6 m bgs (the maximum extent of the observation/monitoring well).

Furthermore, according to information provided in the reviewed EcoLog ERIS report, a search of the Borehole (BORE) database for the Phase One Property and Phase One Study Area indicated that a total of 11 boreholes were located within 300 m of the Phase One Property. Borehole ID No. 621051, a geotechnical/geological investigation borehole, was reportedly advanced in September, 1965, on the neighbouring property located at 1325 Plains Road East (approximately 20 m west of the Phase One Property) (UTM Zone 17, UTM Co-ordinates Northing – 4798643, Easting – 595575). This borehole was reportedly advanced to a depth of 6.2 m bgs and consisted of the following stratigraphy:

- Post-glacial age soil from ground surface (0.0 m) to a reported depth of 0.2 m bgs;
- Glacial age loose brown sand, silt and clay from a reported depth of 0.2 m bgs to a reported depth of 0.9 m bgs; and
- Glacial age hard brown till, clay, silt and sand from a reported depth of 0.9 m bgs to a reported depth of 6.2 m bgs.

Based on the OGS database "Bedrock Geology of Ontario" (2011), the Phase One Property is assumed to be underlain by Ordivician shale, limestone, dolostone and siltstone from the Queenston Formation. According to information provided in the WWIS database in the EcoLog ERIS report, bedrock was encountered at depths ranging between 1.5 m and 19.5 m bgs in three water well sites within 300 m of the Phase One Property.

4.3.3 Fill Materials

At the time of the site reconnaissance, fill materials were not observed at the Phase One Property. However, it appears that fill materials may have been applied at various locations when the Phase One Property was in the process of being developed (i.e., construction/development and landscaping). Furthermore, the surrounding areas of the Phase One Property have been redeveloped since their initial development and fill material of unknown environmental quality may have been imported as part of the redevelopment. It is possible that the unknown environmental quality of these fill materials may represent a potential environmental concern to the Phase One Property.

In addition to this, due to the inherent nature of properties immediately adjacent to roadways and the common use of road salt during the winter months, the application of road salt along Plains Road East, Helena Street and Glendor Avenue may represent a potential environmental concern along the east and south property boundaries of the Phase One Property. However, as road salt on these streets was applied for the purposes of keeping these streets safe for traffic under conditions of snow or ice, exemptions for potential road salt impacts to the Phase One Property are provided for under Section 2 of *Regulation 339* of the Revised Regulations of Ontario, 1990 (Classes of Contaminant – Exemptions).

4.3.4 Water Bodies and Areas of Natural Significance

The Phase One Study Area and the Phase One Property are situated in a developed portion of the City of Burlington. The Provincial Plan Areas & Land Use Designations and Environmentally Sensitive Areas maps provided online by Halton Region, and Areas of Natural and Scientific Interest (ANSIs) maps provided by EcoLog ERIS and provided online by the Ministry of Natural Resources and Forestry (MNRF) were reviewed to determine if any environmentally sensitive areas are located within the Phase One Study Area. Based on our review of these plans and maps, the following is of note:

- No water bodies or other permanent bodies of water were identified on the Phase One Property or in the Phase One Study Area; and

- No ANSIs were identified on the Phase One Property or in the Phase One Study Area.

At the time of the site reconnaissance, there was no evidence of stressed vegetation (potentially associated with PCAs or APECs), pits, potable water wells, standing water, lagoons or watercourses observed on the Phase One Property.

4.3.5 Well Records

As indicated in Section 4.3.2 above, according to information provided in the reviewed ERIS report, a search of the WWIS database for the Phase One Property and Phase One Study Area indicated that a total of 7 water well sites were located within 300 m of the Phase One Property. WWIS Well ID No. 7164921, an observation/monitoring well, was reportedly advanced on January 31, 2011, on the neighbouring property located at 1401 Plains Road East (approximately 175 m east of the Phase One Property) (UTM Zone 17, UTM Co-ordinates Northing – 4798939, Easting – 595833). In addition, it should be noted that S2S obtained the well record for this observation/monitoring well as part of a provincial online well record search. This monitoring and test hole was reportedly advanced to a depth of 4.6 m below ground surface (bgs) and consisted of the following stratigraphy:

- Packed brown gravel and sand from ground surface (0.0 m) to a reported depth of approximately 0.6 m bgs;
- Porous brown sand from a reported depth of 0.6 m bgs to a reported depth of 1.8 m bgs;
- Dense grey clay and silt from a reported depth of 1.8 m bgs to a reported depth of 2.7 m bgs; and
- Red shale from a reported depth of 2.7 m bgs to a reported depth of 4.6 m bgs (the maximum extent of the observation/monitoring well).

At the time of the site reconnaissance, no potable or non-potable water wells were identified within the accessible exterior areas of the Phase One Property.

4.3.6 Site Operating Records

The Phase One Property was reportedly first developed with single-family residential dwellings and light industrial properties in approximately the early-1950s, and was used for residential, commercial, institutional and light industrial purposes from that time to the present. Due to this property land use, the Phase One Property is not considered an Enhanced Investigation Property in accordance with the requirement of *O. Reg. 153.04*, as amended, under the Environmental Protection Act.

No Site Operating Records for the Phase One Property were provided to S2S for review.

5.0 INTERVIEWS

Interviews were carried out by S2S to obtain information to assist S2S in identifying PCAs or APECs in, on, or below the Phase One Property. The following individuals were identified as the individuals to be most knowledgeable regarding current and historical operations at the Phase One Property.

- Mr. Ayaz Adatiya (Property Owner's Representative) of 1967012 Ontario Inc. was interviewed by Mr. David Beimers of S2S during the completion of the site reconnaissance on September 20, 2017;
- Mr. Peter Contant (Property Owner's Representative) of 1445470 Ontario Inc. was interviewed by Mr. Beimers of S2S during the completion of the site reconnaissance on September 20, 2017; and
- Mr. Greg Ressel (Previous Property Owner's Representative) of 2230168 Ontario Inc. and 1810880 Ontario Inc. was interviewed by Mr. Beimers of S2S after completion of the site reconnaissance on September 20, 2017.

Information gathered from these interviews is outlined below and included throughout this Phase One ESA report. The details of each of these interviews are contained within S2S' site inspection field notes.

Name of Person Interviewed and Name of Company	Position	Interview Details (Date, Place, Method)	Relevant Information from Interview
Mr. Ayaz Adatiya of 1967012 Ontario Inc.	Property Owner's Representative (for 1335, 1343 and 1349 Plains Road East)	Interviewed during completion of site reconnaissance on September 20, 2017, for information pertaining to the Phase One Property operations and possible historical knowledge. Interviewed in person on September 20, 2017.	Mr. Adatiya provided an overview of current operations at the Phase One Property.
Mr. Peter Contant of 1445470 Ontario Inc.	Property Owner's Representative (for 1355 Plains Road East)	Interviewed at the time of the site reconnaissance for information pertaining to the Phase One Property operations and historical knowledge. Interviewed in person on September 20, 2017	Mr. Contant provided an overview of current and historical operations at the Phase One Property, including heating methods, chemical use/storage and information on current and previous tenants.
Mr. Greg Ressel of 2230168 Ontario Inc. and 1810880 Ontario Inc.	Previous Property Owner's Representative (for 1335, 1343 and 1349 Plains Road East)	Interviewed after the completion of the site reconnaissance for information pertaining to the Phase One Property operations and historical knowledge. Interviewed via telephone on October 13, 2017	Mr. Ressel provided an overview of current and historical operations at the Phase One Property, including heating methods, chemical use/storage and information on current and previous tenants.

A summary of interviewees and contact information is presented in Appendix D.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

The Phase One ESA site reconnaissance was conducted on September 20, 2017 by Mr. David Beimers of S2S under the supervision of Mr. Riyaz Punjani, P. Eng., a Qualified Person as defined by *O. Reg. 153/04*. The weather was sunny, and the ambient temperature was approximately 23°C on September 20, 2017. The S2S representative was accompanied by Mr. Ayaz Adatiya of 1967012 Ontario Inc. and Mr. Peter Contant of 1445470 Ontario Inc. during the site reconnaissance.

S2S was permitted to access all the interior areas of the Subject Buildings; and all exterior areas of the Phase One Property at the time of the site visit. S2S was not permitted to access the roof sections of the Subject Buildings due to safety concerns.

The Phase One Property and readily visible and publicly accessible portions of the adjacent and neighbouring properties were examined for the presence and identification of PCAs and/or APECs associated with the Phase One Property during the site reconnaissance.

Selected photographs of the Phase One Property and some of the adjacent and neighbouring properties within the Phase One Study Area are included in Appendix G.

6.2 Specific Observations at the Phase One Property

6.2.1 Site Description

At the time of the site reconnaissance, the Phase One Property consisted of two two-storey vacant buildings with full basements (Buildings A and B), one single-storey vacant building with no basement (Building C) and one single-storey commercial building with no basement (Building D) (collectively, the Subject Buildings). Building A was located on the west portion of the Phase One Property and was reportedly constructed in approximately the early-1970s; Building B was located on the west-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; Building C was located on the east-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; and Building D was located on the east portion of the Phase One Property and was reportedly constructed in approximately the early-1950s. Vehicular access to the Phase One Property was from four asphalt paved driveways off Plains Road East, located on the south side of the Phase One Property; and from one asphalt paved driveway off Helena Street, located on the northeast side of the Phase One Property. Asphalt paved surface parking and driveway areas were located on the north, east and south sides of Building A; the north and east sides of Buildings B and C; and the north and west sides of Building D. Landscaped areas were generally present along the north, east and south property boundaries and on the west-central portion of the Phase One Property. The total floor area of the Subject Buildings was reportedly 1,691 m^2 (18,202 ft^2), and the Phase One Property had a total area of 0.5 hectares (1.2 acres). The Property Identification Numbers (PINs) for the Phase One Property are 07081-0236, 07081-0214 and 07081-0213, respectively. The properties which comprise the Phase One Property with the municipal addresses 1335, 1343 and 1349 Plains Road East were reportedly

owned by 1967012 Ontario Inc., while the property located at 1355 Plains Road East was reportedly owned by 1445470 Ontario Inc.

A summary of pertinent information on the Phase One Property is presented below in Table 5.

Table 5 - Summary of Property Information

Phase One Property	
Property Identification Numbers (PINs)	PINs: 07081-0236, 07081-0214 and 07081-0213
Max Length, Max Width	95 m, 60 m
Area	0.5 hectares (1.2 acres)
Phase One Property	
Exit and Entry Points of the Phase One Property	Vehicular access to the Phase One Property was from four asphalt paved driveways off Plains Road East, located on the south side of the Phase One Property; and from one asphalt paved driveway off Helena Street, located on the northeast side of the Phase One Property.
Approximate Location of Utility Services: Sewer, Water, Natural Gas,	Utility drawings were not available for the Phase One Property; however, utility lines for Union Gas, Burlington Hydro and Municipal sewer and water lines may traverse the Phase One Property.
Potable/Non-Potable Water Sources	Potable water in the Phase One Study Area is provided by Halton Region which is obtained from Lake Ontario and potable water wells. No potable water wells were identified at the Phase One Property. One potable water well was identified within the Phase One Study Area.
Subject Buildings	
Number and Age of Physical Structures	**Building A:** Approximately the early-1970s (approximately 46 years old in 2017) **Building B and C:** Approximately the late-1950s (approximately 60 years old in 2017) **Building D:** Approximately the early-1950s (approximately 66 years old in 2017)
Number of Storeys	**Building A and B:** Two-storey **Buildings C and D:** One-storey
Basements or Below Grade Structures	Full basements beneath the entire extent of Buildings A and B
Foundation Walls	Poured concrete
Subject Buildings	

Roofs	**Building A:** Torch-on modified bitumen membrane roof **Building B:** Pitched asphalt shingles **Buildings C and D:** Thermoplastic polyolefin (TPO) roof
Details of Tanks (ASTs/USTs)	No obvious visual evidence of chemical or fuel storage in USTs or ASTs was observed at the Phase One Property (where visible) at the time of the site reconnaissance.
Heating Systems (Existing and Former Heating Systems: Type and Fuel Source)	**Heating at the time Site Reconnaissance** **Building A:** Natural gas-fired rooftop Heating Ventilation and Air Conditioning (HVAC) units, natural gas-fired furnaces and electric baseboard heaters **Buildings B & C:** Natural-gas fired furnaces and electric baseboard heaters **Building D:** Natural gas-fired rooftop HVAC units and electric baseboard heaters **Historic Heating** **Building A:** Natural gas-fired HVAC units, natural gas-fired furnaces and electric baseboard heaters **Building B:** Natural gas-fired furnaces and electric baseboard heaters **Buildings C & D:** Oil-fired force-air heating furnaces and electric baseboard heaters
Cooling Systems (Existing and Former Cooling Systems: Type and Fuel Source)	Tenant-owned electric air-conditioning units
Drains, Pits, Sumps (Use and Former Use)	At the time of the site reconnaissance, floor drains were observed in the concrete floors of the basements of Buildings A and B and the garage area in Building C.

A site location map (Ontario Base Map (OBM)), an aerial photograph depicting the Phase One Conceptual Site Model (CSM) and any PCAs affecting the Phase One Property, and a site plan showing neighbouring land uses, and any APECs on the Phase One Property are included in Appendix A of this report as Drawing Nos. 1 to 3, respectively.

6.2.2 Underground/Aboveground Storage Tanks

No obvious visual evidence of chemical or fuel storage in USTs or ASTs was observed at the Phase One Property (where visible) at the time of the site reconnaissance. Furthermore, no obvious visual evidence of vent or fill pipes indicating the potential presence of abandoned or decommissioned USTs was identified at the Phase One Property.

Based on the above observations, it is unlikely that current chemical handling/storage at the Phase One Property represents a potential environmental concern to the Phase One Property.

6.2.3 Fill Materials

At the time of the site reconnaissance, fill materials were not observed at the Phase One Property.

6.2.4 Stressed Vegetation

At the time of the site reconnaissance, there was no obvious visual evidence of stressed vegetation (potentially associated with environmental contaminant impact) on the Phase One Property.

6.2.5 Water Bodies and Water Wells

At the time of the site reconnaissance, there was no obvious visual evidence of potable water wells, standing water, lagoons or watercourses observed on the Phase One Property.

6.2.6 Waste Materials

There was no evidence of the generation of hazardous wastes at the Phase One Property at the time of the site reconnaissance. Waste materials generated at the Phase One Property reportedly consisted of typical commercial wastes (solid, non-hazardous wastes) including cardboard, plastic and other recyclable materials. The commercial wastes were stored in plastic waste bins on the east side of Building A, the northeast side of Building B and the east side of Building D. The waste materials were reportedly removed from the Phase One Property by licensed waste haulers including Halton Region on a regular basis.

Based on the above observations, it is unlikely that waste materials generated and stored at the Phase One property represent an environmental concern to the Phase One property.

6.2.7 Spill and Stain Areas

The interior floors of the Subject Buildings, in the accessed areas, were observed to be generally ceramic/vinyl floor tiles, hardwood, carpet and exposed concrete slab. These floor areas were visually noted to be in good condition with minor surface cracking observed on the concrete floors.

At the time of the site reconnaissance, no obvious visual evidence of significant staining or spills was observed in the accessed areas of the Subject Buildings and on the exterior areas of the Phase One Property.

Based on the information obtained during the site reconnaissance, it is unlikely that spill and stained areas at the Phase One Property represent an environmental concern to the Phase One Property.

6.2.8 Wastewater Discharges

Based on the areas accessed, process wastewater was not reported to be produced as part of the on-site operations. General wastewater discharge consisted of kitchen, kitchenette and washroom wastewater which was reportedly discharged to the municipal sanitary system.

Based on the information obtained during the site visit, it is unlikely that wastewater discharges at the Phase One property represent an environmental concern to the Phase One property.

6.2.9 Air Discharges

No sources of air emissions that are suspected to result in significant residual contamination to the property were identified to be present on the Phase One Property.

6.2.10 Polychlorinated Biphenyls (PCBs)

It was historically common to use PCBs in electrical equipment such as transformers, fluorescent lamp ballasts, and capacitors. The federal Environmental Contaminants Act, 1976, prohibited the use of PCBs in heat transfer and electrical equipment installed after September 1, 1977, and in transformers and capacitors installed after July 1, 1980. In addition, the storage and disposal of PCB waste materials is regulated.

It should be noted that as per PCB Regulations SOR/2008-273, there is a requirement to phase out the usage of PCB containing equipment, as classified below:

Table 6 - Phase Out Dates for PCB Containing Equipment Usage

Equipment Types	Phase Out Dates Requirement
(i) Electrical capacitors, other than light ballasts, and electrical transformers and their auxiliary electrical equipment, other than pole-top electrical transformers and their pole-top auxiliary electrical equipment (ii) Electromagnets that are not used in the handling of food, feed or any additive to food or feed, and (iii) Heat transfer equipment, hydraulic equipment, vapour diffusion pumps and bridge bearings	(a) December 31, 2009, in the case of equipment containing PCBs in a concentration of 500 mg/kg or more; or (b) In the case of equipment containing PCBs in a concentration of at least 50 mg/kg but less than 500 mg/kg: • December 31, 2009, if the equipment is located at a drinking water treatment plant or food or feed processing plant, in a child care facility, preschool, primary school, secondary school, hospital or senior citizens' care facility or on the property on which the plant or facility is located and within 100 m of it, or • December 31, 2025, if the equipment is located at any other place.
Light ballasts, and pole-top electrical transformers and their pole-top auxiliary electrical equipment with PCBs in a concentration of 50 mg/kg or more	December 31, 2025
Any other type of PCB-containing equipment with liquid containing 2 mg/kg or more of PCBs	Until the day on which the liquid is removed from the equipment

An undetermined number of fluorescent light fixtures were present at the Phase One Property. One on-site pole-mounted transformer was observed on the east portion of the Phase One Property. No obvious visual evidence of significant spills or staining was observed in the vicinity of this pole-mounted transformer.
Based on the construction dates (approximately early-1950s, late-1950s and early-1970s) of the Subject Buildings, it is possible that electrical equipment containing PCBs is present at the Phase One Property.

There were no environmental concerns noted with respect to PCBs at the Phase One Property. If on-site electrical equipment from the Subject Building is being serviced or decommissioned, appropriate testing and inspection of the equipment should be undertaken to determine if PCBs are present.

6.2.11 Asbestos

The common use of potential friable (breakable by hand) asbestos-containing materials (ACMs) (pipe/boiler insulation and fireproofing) in construction generally ceased voluntarily in the mid-1970s; however, ACMs are known to be present in buildings constructed as late as 1990. Further, asbestos is still utilized in the manufacturing of some vinyl floor tiles and cement products (i.e. Transite piping and panelling). As of November 1, 2005, an updated asbestos regulation (O. Reg. 278/05 made under the Occupational Health and Safety Act) came into effect. Asbestos surveys undertaken prior to November 1, 2005 that were not conducted in accordance to O. Reg. 278/05, should be reviewed and reassessed to determine if they meet the requirements of the new regulation. Materials known or suspected to contain asbestos should be assessed and, asbestos management plans should be implemented.

Possible friable ACMs present within the Subject Buildings may include vermiculite fill insulation (usually present within the voids of cinder block walls), acoustical plaster, textured material, pipe insulation, mechanical insulation, parging cement on pipe elbows, joint tape on rain water leaders and acoustic ceiling tiles. Possible non-friable ACMs present within the Subject Buildings may include drywall with suspect asbestos containing drywall joint compound, vinyl floor tiles, mastic, cement (Transite) products, roofing materials, gasket materials (usually observed within “bells and spigots” style steel water drainage pipe connections) and caulking.

Based on the construction dates (approximately the early-1950s, late-1950s and early-1970s) of the Subject Buildings, it is possible that ACMs are present in the building materials. Suspect friable ACMs observed included mechanical insulation and ceiling tiles. No other suspect friable ACMs were observed within the accessed areas of the Subject Buildings. Suspect non-friable ACMs observed within the Subject Buildings included drywall with suspect asbestos containing drywall joint compound, vinyl floor tiles and caulking.

At the time of the site reconnaissance, the suspect ACM materials observed in the accessed areas were generally noted by S2S to be in fair to good condition. Apparent water damaged ceiling tiles were observed in the basements of Buildings A and B at the time of the site reconnaissance. Cracked vinyl floor tiles were also observed in the basement of Building A.

Based on discussions with the Mr. Adatiya (Property Owner's Representative), an asbestos survey had not been completed for the Phase One Property in accordance with O. Reg. 278/05.

6.2.12 Urea Formaldehyde Foam Insulation (UFFI)

The sale and installation of UFFI as thermal insulation began in approximately 1970, and continued until December 1980 when it was banned under the federal Hazardous Products Act. UFFI was installed in both new and existing buildings during this period. UFFI can begin to deteriorate if exposed to water and moisture and this will result in formaldehyde gas emission. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations.

As the Subject Buildings were in existence during the period from 1970 to 1980, it is possible that UFFI may be present at the Phase One Property. However, evidence of UFFI was not observed in the accessed areas during the site visit. It should be noted that the assessment for UFFI was not exhaustive and analyses were not performed to confirm the absence of UFFI.

There were no environmental concerns noted with respect to UFFI at the Phase One Property.

6.2.13 Lead

In 2005 and updated on April 8, 2011, the allowable lead content in paint was limited to 0.009% (90 ppm) by weight by the federal Surface Coating Materials Regulations, SOR/2005-109 under the Hazardous Products Act. Lead is also associated with plumbing solder and old pipes (pre-1990) as well as other lead-based products such as wall shielding (x-ray rooms).

Based on the construction date (approximately the early-1950s, late-1950s and early-1970s) of the Subject Buildings, it is possible that lead is present in paint and plumbing materials. Visual observations (where possible) in accessed areas did not indicate the presence of lead plumbing materials. Localized peeling of paint was observed on the drywall walls in the basement of Building A.

There were no other environmental concerns noted with respect to lead in the accessible areas of Phase One Property.

6.2.14 Ozone Depleting Substances (ODSs)

The federal government filed the Ozone-Depleting Substances Regulations (1998 and its subsequent amendments) to control the import, manufacture, use, sale and export of ODSs. These ODSs include: halons, carbon tetrachloride, chlorofluorocarbons (CFCs) (often referred to as Freon), methyl chloroform, hydrobromofluorocarbons (HBFCs), methyl bromide and hydrochlorofluorocarbons (HCFCs).

The dates for 100% reduction of halons, carbon tetrachloride, CFCs, methyl chloroform, HBFCs, and methyl bromide, as a result of their ozone-depleting characteristics, reportedly ranged from January 1, 1994 to January 1, 2005. The dates for 65%, 90%, 99.5% and 100%

reduction of HCFCs are reportedly January 1, 2010, January 1, 2015, January 1, 2020 and January 1, 2030, respectively. There were also restrictions on the refill of equipment such as mobile air-conditioning units, mobile refrigeration, household appliances, commercial refrigeration and air-conditioning and chillers with CFCs as of 2006. However, there are no restrictions on the use of HCFCs as refrigerants in the refrigeration and air-conditioning sectors. Furthermore, currently, there is no prohibition on the sale of refrigeration or air-conditioning systems that contain HCFCs.

Sources of ODSs present on the Phase One Property were likely limited to minor quantities of refrigerant within the site-owned rooftop HVAC units, tenant-owned AC units and in the refrigerators within the lunchrooms and kitchens of the Subject Buildings.

Inquiries made with the tenants indicated that there were no reported leaks associated with the above noted equipment, and that servicing of the site-owned HVAC units and refrigerators were completed by appropriately licensed technicians. Furthermore, visual observations in the accessed areas during the site visit did not indicate leaks or damage associated with the visually observed on-site sources of ODSs.

There were no environmental concerns noted with respect to ODSs at the Phase One Property.

6.2.15 Radon

Radon gas is a product of the decay series that begins with uranium. Radon is produced directly from radium, which can be commonly found in bedrock that contains black shale and/or granite. Radon gas can migrate through the ground and enter buildings through porous concrete or fractures. Radon may accumulate in poorly ventilated basements or subsurface enclosures.

Based upon information contained on regional geological maps, radon gas products are not expected to be found in the area at levels of concern.

6.2.16 Electromagnetic Fields (EMF)

Electrical currents cause electromagnetic fields. Common household current is alternating current, which reverses its direction (its charge) then switches back. This cycle creates electric and magnetic fields at the same frequency. No scientific data supports definitive answers to questions about the existence or non-existence of health risks related to electromagnetic fields.

There were no high-voltage transmission lines or electrical substations, which could generate significant electromagnetic frequencies, identified on or adjacent to the Phase One Property.

6.2.17 Noise and Vibration

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

There were no major or persistent sources of noise and/or vibration identified on or adjacent to the Phase One Property during the site reconnaissance.

6.2.18 Mould

Suspect mould growth was observed on ceiling tiles in the basement of Building A and on a portion of the concrete block wall in the basement of Building B. In addition, apparent water damaged ceiling tiles were observed in the basements of Buildings A and B, and efflorescence was observed on portions of the concrete block walls in the basement of Building B.

There was no other obvious visual evidence of suspect mould growth on visible interior building materials in the accessed areas of the Subject Buildings.

7.0 ENHANCED INVESTIGATION

An Enhanced Investigation Property is (i) a property used, or has ever been used, in whole or in part, for an industrial purpose, or (ii) a commercial property used as a garage, a bulk liquid dispensing facility, including a gasoline outlet or for the operation of dry cleaning equipment, according to *O. Reg. 511/09*.

Based on the current and historical land use, the Phase One Property would not be considered an Enhanced Investigation Property in accordance with the requirements of O. Reg. 153/04 – Record of Site Condition — Part XV.1 of the Act, as amended, under the Environmental Protection Act.

8.0 WRITTEN DESCRIPTION OF THE INVESTIGATION

At the time of the site reconnaissance, the Phase One Property consisted of two two-storey vacant buildings with full basements (Buildings A and B), one single-storey vacant building with no basement (Building C) and one single-storey commercial building with no basement (Building D) (collectively, the Subject Buildings). Building A was located on the west portion of the Phase One Property and was reportedly constructed in approximately the early-1970s; Building B was located on the west-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; Building C was located on the east-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; and Building D was located on the east portion of the Phase One Property and was reportedly constructed in approximately the early-1950s. Vehicular access to the Phase One Property was from four asphalt paved driveways off Plains Road East, located on the south side of the Phase One Property; and from one asphalt paved driveway off Helena Street, located on the northeast side of the Phase One Property. Asphalt paved surface parking and driveway areas were located on the north, east and south sides of Building A; the north and east sides of Buildings B and C; and the north and west sides of Building D. Landscaped areas were generally present along the north, east and south property boundaries and on the west-central portion of the Phase One Property. The total floor area of the Subject Buildings was reportedly

1,691 m^2 (18,202 ft^2), and the Phase One Property had a total area of 0.5 hectares (1.2 acres). The Property Identification Numbers (PINs) for the Phase One Property are 07081-0236, 07081-0214 and 07081-0213, respectively. The properties which comprise the Phase One Property with the municipal addresses 1335, 1343 and 1349 Plains Road East were reportedly owned by 1967012 Ontario Inc., while the property located at 1355 Plains Road East was reportedly owned by 1445470 Ontario Inc.

The findings of S2S's site reconnaissance and interviews are found throughout Section 6.2 of this report. PCAs and APECs are discussed in Sections 9.2 and 9.3 of this report, respectively.

The site reconnaissance of the Phase One Property and Phase One Study Area, and related interviews/enquiries conducted during the site reconnaissance did not identify PCAs which would lead to APECs at the Phase One Property.

9.0 REVIEW AND EVALUATION OF INFORMATION

9.1 Current and Past Uses

9.1.1 Current Land Use – Phase One Property

The Phase One ESA site reconnaissance was conducted on September 20, 2017 by Mr. Beimers of S2S under the supervision of Mr. Riyaz Punjani, P. Eng., a Qualified Person as defined by *O. Reg. 153/04*. The S2S representative (Mr. Beimers) was accompanied by Mr. Adatiya of 1967012 Ontario Inc. and Mr. Contant of 1445470 Ontario Inc. during the site reconnaissance.

At the time of the site reconnaissance, the Phase One Property consisted of two two-storey vacant buildings with full basements (Buildings A and B), one single-storey vacant building with no basement (Building C) and one single-storey commercial building with no basement (Building D) (collectively, the Subject Buildings). Building A was located on the west portion of the Phase One Property and was reportedly constructed in approximately the early-1970s; Building B was located on the west-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; Building C was located on the east-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; and Building D was located on the east portion of the Phase One Property and was reportedly constructed in approximately the early-1950s. Vehicular access to the Phase One Property was from four asphalt paved driveways off Plains Road East, located on the south side of the Phase One Property; and from one asphalt paved driveway off Helena Street, located on the northeast side of the Phase One Property. Asphalt paved surface parking and driveway areas were located on the north, east and south sides of Building A; the north and east sides of Buildings B and C; and the north and west sides of Building D. Landscaped areas were generally present along the north, east and south property boundaries and on the west-central portion of the Phase One Property. The total floor area of the Subject Buildings was reportedly 1,691 m^2 (18,202 ft^2), and the Phase One Property had a total area of 0.5 hectares (1.2 acres). The Property Identification Numbers (PINs) for the Phase One Property are 07081-0236, 07081-0214 and 07081-0213, respectively. The properties which comprise the Phase One

Property with the municipal addresses 1335, 1343 and 1349 Plains Road East were reportedly owned by 1967012 Ontario Inc., while the property located at 1355 Plains Road East was reportedly owned by 1445470 Ontario Inc.

Based on the above observations, it is unlikely that the current land use represents a potential environmental concern to the Phase One Property.

9.1.2 Historical Land Use – Phase One Property

A list of historical land uses for the Phase One Property is provided in Table 7 below.

Table 7 - Historical Information for the Phase One Property

Period/Date	Land Use	Sources of Information
Prior to at least the early-1950s	Undeveloped/Agricultural Purposes	City Directories, Aerial Photographs, Previous Phase I ESA Report, Interviews
From at least the early-1950s to approximately the late-1950s	**1335 Plains Road East** Undeveloped/Agricultural Purposes **1339 Plains Road East** Undeveloped/Agricultural Purposes **1343 Plains Road East** Undeveloped/Agricultural Purposes **1349 Plains Road East** Undeveloped/Agricultural Purposes **1355 Plains Road East** Light Industrial	City Directories, Aerial Photographs, PURs, Previous Phase I ESA Report, Interviews
From approximately the late-1950s to the early-1970s	**1335 Plains Road East** Single-Family Residential Dwelling **1339 Plains Road East** Single-Family Residential Dwelling **1343 Plains Road East** Single-Family Residential Dwelling (Building B) **1349 Plains Road East** Light Industrial (including Dubay Organs Ltd.) (Building C) **1355 Plains Road East** Light Industrial (including WGM Products Ltd.) (Building D)	City Directories, Aerial Photographs, FIPs, PURs, Previous Phase I ESA Report, Interviews

Period/Date	Land Use	Sources of Information
From approximately the early-1970s to the mid-1980s	**1335 Plains Road East** Institutional (Ressel Day Nursery School) (Building A) **1339 Plains Road East** Institutional (Ressel Day Nursery School) **1343 Plains Road East** Single-Family Residential Dwelling (Building B) **1349 Plains Road East** Light Industrial (including Dubay Organs Ltd.) (Building C) **1355 Plains Road East** Light Industrial (including WGM Products Ltd.) (Building D)	City Directories, Aerial Photographs, PURs, Previous Phase I ESA Report, Interviews
From approximately the mid-1980s to the early-2010s	**1335 Plains Road East** Institutional (Ressel Day Nursery School) (Building A) **1339 Plains Road East** Institutional (Ressel Day Nursery School) **1343 Plains Road East** Institutional (Ressel Day Nursery School) (Building B) **1349 Plains Road East** Light Industrial (including Comptree Systems Service, Professional Design Group and Burlington Community Foundation) (Building C) **1355 Plains Road East** Light Industrial (including WGM Products Ltd. and Comcare Ltd.) (Building D)	City Directories, Aerial Photographs, PURs, Previous Phase I ESA Report, Interviews
From approximately the early-2010s to mid-2017	**1335 Plains Road East** Institutional (Ressel Day Nursery School) (Building A) **1339 Plains Road East** Vacant Land **1343 Plains Road East** Institutional (Ressel Day Nursery School) (Building B) **1349 Plains Road East** Institutional (Ressel Day Nursery School) (Building C)	City Directories, Aerial Photographs, PURs, Previous Phase I ESA Report, Geowarehouse Database, Interviews

Period/Date	Land Use	Sources of Information
	1355 Plains Road East Commercial (including The Advertising Company) (Building D)	
From approximately mid-2017 to the present	**1335 Plains Road East** Vacant (Building A) **1339 Plains Road East** Vacant Land **1343 Plains Road East** Vacant (Building B) **1349 Plains Road East** Vacant (Building C) **1355 Plains Road East** Commercial (The Advertising Company) (Building D)	City Directories, Aerial Photographs, PURs, Previous Phase I ESA Report, Geowarehouse Database, Interviews

The earliest record available for the Phase One Property was an aerial photograph from 1934, which indicated that the Phase One Property was undeveloped or used for agricultural purposes at that time. According to an available PUR from 1978, a light industrial building (Building D) was constructed on the east portion of the Phase One Property in the early-1950s. According to an aerial photograph from 1959, the west and west-central portions of the Phase One Property were developed with three single-family residential dwellings and the east-central and east portions of the Phase One Property were developed with two inferred light industrial buildings (Buildings C and D) at that time. According to an aerial photograph from 1973 and available City Directories from 1970 and 1976, the west portion of the Phase One Property was redeveloped with an institutional building (Building A) and the building formerly occupying 1339 Plains Road East was converted into an institutional building in approximately the early-1970s. According to available City Directories from 1981 and 1986, Building B was converted into an institutional building in approximately the mid-1980s. According to information contained in the Geowarehouse database and discussions with Mr. Contant (Property Owner's Representative) of 1445470 Ontario Inc., Buildings C and D were converted into an institutional building and a commercial building, respectively, in approximately the early-2010s. Furthermore, according to Google Earth images from 2009 and 2014, the building formerly occupying 1339 Plains Road East was demolished in approximately the early-2010s.

Based on available City Directories and available FIPs from September, 1971, Building D was reportedly occupied by a historical "machine shop" (WGM Products Ltd.) from at least the mid-1960s to approximately the late-1980s. Furthermore, an available PUR from 1978 indicated that WGM Products Ltd. was using oils and lubricants as part of machining operations in Building D at that time. The historical presence of a machine shop on the east

portion of the Phase One Property may have impacted the soils and groundwater at the Phase One Property, and may represent an environmental concern to the Phase One Property.

As discussed in Section 4.3.3, fill materials of unknown environmental quality may have been applied at various locations when the Phase One Property was in the process of first being developed (i.e., construction/development and landscaping) in the early-1950s, when Buildings B and C were first constructed in the late-1950s, when Building A was first constructed in the early-1970s or during re-configuration of parking or landscaped areas. The potential presence of fill materials of unknown environmental quality may have impacted the soils at the Phase One Property, and may represent an environmental concern to the Phase One Property.

Natural gas was reportedly supplied to Buildings A, B and C in approximately September, 1967; May, 1987; and October, 1978, respectively. The date on which natural gas was reportedly first supplied to Building D was unknown at the time of issuance of this report. Buildings A, B, C and D were heated by natural gas-fired rooftop HVAC units, natural gas-fired furnaces and electric baseboard heaters at the time of the site reconnaissance. Based on an available PUR from 1985, the building formerly occupying 1339 Plains Road East was heated by an oil-fired forced-air system at that time. Based on an available PUR from 1978, Building C was heated by an oil-fired forced-air system at that time. Based on an available PUR from 1977, Building D was heated by two oil-fired forced-air furnaces at that time. It was unknown to S2S how Building A and B were historically heated; however, no obvious visual evidence of vent and fill pipes indicating the potential presence of historical ASTs or USTs was observed in the vicinity of Buildings A and B at the time of the site reconnaissance. Additionally, at the time of the site visit, no obvious visual evidence of fuel storage in USTs or ASTs was identified to be present on the Phase One Property. Based on the potential presence of historical ASTs and/or USTs associated with historical oil-fired forced-air heating on the west, east-central and east portions of the Phase One Property, there is the potential for environmental contaminant impact to the Phase One Property, and may represent an environmental concern to the Phase One Property.

A summary of the current and past uses of the Phase One Property from crown ownership (prior to 1835) to the present is presented below in Table 8:

Table 8 - Current and Past Uses of the Phase One Property

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
PIN 07081-0236 (1335 Plains Road East)				
2017 to present	1967012 Ontario Inc.	Vacant Building	Vacant	2017 Aerial Photograph: The west portion of the Phase One Property appeared to be developed with an inferred vacant (formerly institutional) building and asphalt paved parking/driveways, similar to that observed at the time of the site reconnaissance.
2010 to 2017	2230168 Ontario Inc.	Institutional Building	Institutional	2014 and 2016 Aerial Photographs: The west portion of the Phase One Property appeared to be developed with an institutional building and asphalt paved parking/driveways. 2013 City Directories: The west portion of the Phase One Property, municipally addressed as 1335 Plains Road East, was listed as an institutional property at that time.
1965 to 2010	Alfred M. Ressel and Jolanta G. Ressel	Single-Family Residential Dwelling (1965 to approximately early 1970s) and Institutional Building (approximately early 1970s to 2010)	Residential/Institutional	1973, 1986 and 2004 Aerial Photographs: The west portion of the Phase One Property appeared to be developed with an institutional building and asphalt paved parking/driveways. 1970 City Directories: The west portion of the Phase One Property, municipally addressed as 1335 Plains Road East, was listed as a residential property at that time. 1976, 1981, 1986, 1991, 1997, 2002 and 2009 City Directories: The west portion of the Phase One Property, municipally addressed as 1335 Plains Road East, was listed as an institutional property at those times. September, 1971 FIPs: The west portion of the

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
				Phase One Property appeared to be developed with a single-family residential dwelling at that time.
1953 to 1965	Wasyl Hrycak and Aline Hrycak	Single-Family Residential Dwelling	Residential	1959 Aerial Photograph: The west portion of the Phase One Property appeared to be developed with a single-family residential dwelling. 1965 City Directories: The west portion of the Phase One Property, municipally addressed as 1335 Plains Road East, was listed as a residential property at that time.
1948 to 1953	Peter Pawlowski	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1946 to 1948	Joseph Kerry and Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1945 to 1946	Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1940 to 1945	Oskar Neuman and Wanda Neuman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1920 to 1940	Charles Ernest Taylor	Undeveloped	Agricultural or other use	1934 Aerial Photograph: The west portion of the Phase One Property appeared to be undeveloped.
1875 to 1920	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1845 to 1875	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1818 to 1845	Joshua Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1810 to 1818	Ralph Holden	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1798 to 1810	Joseph Brant	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
Prior to 1798	Crown Lands	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
PIN 07081-0236 (1339 Plains Road East)				
2017 to present	1967012 Ontario	Vacant Land	Vacant	2017 Aerial Photograph: The portion of the Phase

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
	Inc.			One Property municipally addressed 1339 Plains Road East appeared to be developed with asphalt paved parking/driveways, similar to that observed at the time of the site reconnaissance.
2010 to 2017	2230168 Ontario Inc.	Vacant Land	Vacant	2014 and 2016 Aerial Photographs: The portion of the Phase One Property municipally addressed 1339 Plains Road East appeared to be developed with asphalt paved parking/driveways, similar to that observed at the time of the site reconnaissance.
1981 to 2010	Alfred M. Ressel and Jolanta G. Ressel	Institutional Building	Institutional	1986, 2004 and 2009 Aerial Photographs: The portion of the Phase One Property municipally addressed 1339 Plains Road East appeared to be developed with an inferred institutional building. 1981, 1986, 1991, 1997, 2002 and 2008 City Directories: The portion of the Phase One Property municipally addressed as 1339 Plains Road East was listed as an institutional property at those times.
1973 to 1981	Mariola H. McGinn (nee Ressel)	Institutional Building	Institutional	1973 Aerial Photograph: The portion of the Phase One Property municipally addressed 1339 Plains Road East appeared to be developed with an inferred institutional building. 1976 and 1981 City Directories: The portion of the Phase One Property municipally addressed as 1339 Plains Road East was listed as an institutional property at those times.
1964 to 1973	Hillibrand Van Der Zevan and Grace Van Der Zevan	Single-Family Residential Dwelling	Residential	1965 and 1970 City Directories: The portion of the Phase One Property municipally addressed as 1339 Plains Road East was listed as a residential property at those times. September, 1971 FIPs: The portion of the Phase One Property municipally addressed 1339 Plains

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
				Road East appeared to be developed with a single-family residential dwelling at that time.
1953 to 1964	Arend Buiter and Aaltic Buiter	Single-Family Residential Dwelling	Residential	1959 Aerial Photograph: The portion of the Phase One Property municipally addressed 1339 Plains Road East appeared to be developed with a single-family residential dwelling.
1953 to 1953	Charles H. Umare	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1950 to 1953	Charles Lamare and Rose Marie Lamare	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1948 to 1950	Joseph Kerry, Helen Kerry, Charles Lamare and Rose Marie Lamare	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1946 to 1948	Joseph Kerry and Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1945 to 1946	Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1940 to 1945	Oskar Neuman and Wanda Neuman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1920 to 1940	Charles Ernest Taylor	Undeveloped	Agricultural or other use	1934 Aerial Photograph: The portion of the Phase One Property municipally addressed 1339 Plains Road East appeared to be undeveloped.
1875 to 1920	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1845 to 1875	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1818 to 1845	Joshua Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1810 to 1818	Ralph Holden	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1798 to 1810	Joseph Brant	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
Prior to 1798	Crown Lands	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
PIN 07081-0236 (1343 Plains Road East)				
2017 to present	1967012 Ontario Inc.	Vacant Building	Vacant	2017 Aerial Photograph: The west-central portion of the Phase One Property appeared to be developed with an inferred vacant (formerly institutional) building, similar to that observed at the time of the site reconnaissance.
2010 to 2017	2230168 Ontario Inc.	Institutional Building	Institutional	2014 and 2016 Aerial Photograph: The west-central portion of the Phase One Property appeared to be developed with an inferred institutional building. 2013 City Directories: The west-central portion of the Phase One Property, municipally addressed as 1343 Plains Road East, was listed as an institutional property at that time.
1985 to 2010	Alfred M. Ressel and Jolanta G. Ressel	Institutional Building	Institutional	1986, 2004 and 2009 Aerial Photographs: The west-central portion of the Subject Property appeared to be developed with an inferred institutional building at those times. 1986, 1991, 1997, 2002 and 2008 City Directories: The west-central portion of the Phase One Property, municipally addressed as 1343 Plains Road East, was listed as an institutional property at those times.
1948 to 1985	Poldy G. Kush and Vivian G. Kush	Single-Family Residential Dwelling	Residential	1959 and 1973 Aerial Photographs: The west-central portion of the Phase One Property appeared to be developed with a single-family residential dwelling. 1965, 1970, 1976 and 1981 City Directories: The west-central portion of the Phase One Property, municipally addressed as 1343 Plains Road East, was listed as a residential property at those times.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
				September, 1971 FIPs: The west-central portion of the Phase One Property appeared to be developed with a single-family residential dwelling at that time.
1946 to 1948	Joseph Kerry and Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1945 to 1946	Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1940 to 1945	Oskar Neuman and Wanda Neuman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1920 to 1940	Charles Ernest Taylor	Undeveloped	Agricultural or other use	1934 Aerial Photograph: The west-central portion of the Phase One Property appeared to be undeveloped.
1875 to 1920	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1845 to 1875	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1818 to 1845	Joshua Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1810 to 1818	Ralph Holden	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1798 to 1810	Joseph Brant	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
Prior to 1798	Crown Lands	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
PIN 07081-0214				
2017 to present	1967012 Ontario Inc.	Vacant Building	Vacant	2017 Aerial Photograph: The east-central portion of the Phase One Property appeared to be developed with an inferred vacant (formerly institutional) building, similar to that observed at the time of the site reconnaissance.
2010 to 2017	1810880 Ontario Inc.	Institutional Building	Institutional	2014 and 2016 Aerial Photograph: The east-central portion of the Phase One Property appeared to be developed with an inferred

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
				institutional building.
1988 to 2010	770560 Ontario Inc.	Commercial Building	Commercial	2004 and 2009 Aerial Photographs: The east-central portion of the Subject Property appeared to be developed with an inferred commercial building at those times. 1997, 2002 and 2008 City Directories: The east-central portion of the Phase One Property, municipally addressed as 1349 Plains Road East, was listed as a commercial property at those times.
1967 to 1988	Jean Guy Dube and Jeannine Dube	Light Industrial Building	Light Industrial	1973 and 1986 Aerial Photographs: The east-central portion of the Subject Property appeared to be developed with an inferred light industrial building at those times. 1970, 1976, 1981 and 1986 City Directories: The east-central portion of the Phase One Property, municipally addressed as 1349 Plains Road East, was listed as a light industrial property at those times. September, 1971 FIPs: The east-central portion of the Phase One Property appeared to be developed with a light industrial building at that time.
1964 to 1967	Olive Viola Healy (nee Owens)	Light Industrial Building	Light Industrial	1965 City Directories: The east-central portion of the Phase One Property, municipally addressed as 1349 Plains Road East, was listed as a light industrial property at that time.
1960 to 1964	Olive Viola Owens and John Paul Owens	Light Industrial Building	Light Industrial	No available aerial photographs or FIPs.
1950 to 1960	John Fuller and His Wife and John Paul Owens	Light Industrial Building	Light Industrial	1959 Aerial Photograph: The east-central portion of the Subject Property appeared to be developed with an inferred light industrial building at that time.

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
1950 to 1950	John Fuller	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1946 to 1950	Joseph Kerry and Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1945 to 1946	Frank Berta, Mary Szobozlai, Joseph Kerry, Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1940 to 1945	Oskar Neuman and Wanda Neuman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1920 to 1940	Charles Ernest Taylor	Undeveloped	Agricultural or other use	1934 Aerial Photograph: The east-central portion of the Phase One Property appeared to be undeveloped.
1875 to 1920	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1845 to 1875	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1818 to 1845	Joshua Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1810 to 1818	Ralph Holden	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1798 to 1810	Joseph Brant	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
Prior to 1798	Crown Lands	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
PIN 07081-0213				
2001 to present	1445470 Ontario Inc.	Commercial Building	Commercial	2004, 2009, 2014, 2016 and 2017 Aerial Photographs: The east portion of the Phase One Property appeared to be developed with an inferred commercial building, similar to that observed at the time of the site reconnaissance. 2002 and 2008 City Directories: The east portion of the Phase One Property, municipally addressed as 1355 Plains Road East, was listed as a commercial property at those times.
1990 to 2001	Comcare Limited	Commercial Building	Commercial	1991 and 1997 City Directories: The east portion

Year	Name of Owner	Description of Property Use	Property Use	Other Observations from Aerial Photographs, Fire Insurance Plans
				of the Phase One Property, municipally addressed as 1355 Plains Road East, was listed as a commercial property at that time.
1950 to 1990	William Weins	Light Industrial Building	Light Industrial	1959, 1973 and 1986 Aerial Photographs: The east portion of the Subject Property appeared to be developed with an inferred light industrial building at those times. 1965, 1970, 1976, 1981 and 1986 City Directories: The east portion of the Phase One Property, municipally addressed as 1355 Plains Road East, was listed as a light industrial property at those times. September, 1971 FIPs: The east portion of the Phase One Property appeared to be developed with a light industrial building at that time.
1945 to 1950	Joseph and Helen Kerry	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1940 to 1945	Oskar Neuman and Wanda Neuman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1920 to 1940	Charles Ernest Taylor	Undeveloped	Agricultural or other use	1934 Aerial Photograph: The east portion of the Phase One Property appeared to be undeveloped.
1875 to 1920	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1845 to 1875	Joseph Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1818 to 1845	Joshua Freeman	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1810 to 1818	Ralph Holden	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
1798 to 1810	Joseph Brant	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.
Prior to 1798	Crown Lands	Undeveloped	Agricultural or other use	No available aerial photographs or FIPs.

9.1.3 Adjacent Properties to the Phase One Property – Current Land Use

Land uses of the immediate adjacent and neighbouring properties are identified on Drawing Nos. 2 and 3, included in Appendix A. A summary of these land uses is also presented below in Table 9.

Table 9 - Adjacent Properties – Current Land Use

Boundary Side of Phase One Property	Current Activity	Evident Potential Sources of Contamination
Northwest (adjacent)	**1317, 1321 and 1323 Bonnie Court** Single-Family Residential Dwellings	None
Northeast (adjacent)	**1024 Helena Street** Single-Family Residential Dwelling	None
East (across Helena Street)	**1019 Helena Street** Single-Family Residential Dwelling **1365 Plains Road East** Multi-Tenant Residential	None
South (across Plains Road East)	**1364 Plains Road East** Multi-Tenant Commercial (Riz Tires & Auto Repair Centre, Gaslink Services Inc.) **1368 Plains Road East** Multi-Tenant Commercial (City Tires, Burlington Airport Limousine)	None
West (adjacent)	**1331 Plains Road East** Multi-Tenant Residential	None

The Phase One Property was surrounded by single-family residential dwellings to the northwest and northeast; a single-family residential dwelling and a multi-tenant residential building to the east (across Helena Street), multi-tenant commercial buildings to the south (across Plains Road East) and a multi-tenant residential property to the west of the Phase One Property.

It was unknown how the adjacent/neighbouring properties are currently heated. It should be noted that at the time of the site reconnaissance no obvious visual evidence of abandoned or decommissioned USTs were observed on the immediate adjacent/neighbouring properties on all sides of the Phase One Property (where accessible/visible). Furthermore, observations of these adjacent/neighbouring properties (where accessible/visible) did not reveal any obvious visual evidence of outside chemical storage in ASTs, USTs and drums, and/or major spills. At the time of the site reconnaissance, it was also noted that the immediate adjacent/neighbouring properties were serviced by natural gas.

At the time of the site reconnaissance, the neighbouring property located at 1364 Plains Road East (approximately 40 m south (across Plains Road East) of the Phase One Property, in an assumed down-gradient location), was occupied by an automobile service garage (Riz's Tires and Auto Repair Centre). However, based on the distance from the Phase One Property (approximately 40 m) and the assumed down-gradient location of this automobile service garage, it is unlikely that there is environmental contaminant impact to the Phase One Property from this neighbouring automobile service garage.

Based on available information to-date and our site observations, it is unlikely that there is environmental contaminant impact to the Phase One Property from the above noted current adjacent and neighbouring property uses.

9.1.4 Adjacent Properties to the Phase One Property – Historical Land Use

A list of historical land uses for the adjacent properties is provided in Table 10 below.

Table 10 - Adjacent Properties – Historical Land Use

Boundary Side of Phase One Property	Comments	Sources of Information
Northwest (adjacent)	**1317, 1321 and 1323 Bonnie Court** Prior to approximately the early-2000s – Undeveloped From approximately the early-2000s to the present – Single-Family Residential Dwellings	City Directories, Aerial Photographs, Previous Phase I ESA Report, Geowarehouse Database, Interviews, Site Visit
Northeast (adjacent)	**1024 Helena Street** Prior to at least the late-1950s – Undeveloped From at least the late-1950s to the present – Single-Family Residential Dwelling	City Directories, Aerial Photographs, Previous Phase I ESA Report, FIPs, Geowarehouse Database, Interviews, Site Visit
East (across Helena Street)	**1019 Helena Street** Prior to at least the late-1950s – Undeveloped From at least the late-1950s to the present – Single-Family Residential Dwelling **1365 Plains Road East** Prior to at least the late-1950s – Undeveloped From at least the late-1950s to the present – Multi-Tenant Residential	City Directories, Aerial Photographs, Previous Phase I ESA Report, FIPs, Geowarehouse Database, Interviews, Site Visit

Boundary Side of Phase One Property	Comments	Sources of Information
South (across Plains Road East)	**1364 Plains Road East** Prior to at least the late-1950s – Undeveloped From at least the late-1950s to approximately the early-1970s – Single-Family Residential Dwelling From approximately the early-1970s to the present – Commercial **1368 Plains Road East** Prior to at least the late-1950s – Undeveloped From at least the late 1950s to approximately the late-1960s – Single-Family Residential Dwelling From approximately the late-1960s to the present - Commercial	City Directories, Aerial Photographs, Previous Phase I ESA Report, FIPs, Geowarehouse Database, Interviews, Site Visit
West (adjacent)	**1331 Plains Road East** Prior to at least the late-1950s – Undeveloped From at least the late-1950s to approximately the mid-2010s – Single-Family Residential Dwelling From approximately the mid-2010s to the present – Multi-Tenant Residential	City Directories, Aerial Photographs, Previous Phase I ESA Report, FIPs, Geowarehouse Database, Interviews, Site Visit

The earliest record available for the properties in the vicinity of the Phase One Property was an aerial photograph from 1934, which indicated that the adjacent/neighbouring properties in the vicinity of the Phase One Property were undeveloped at that time. According to an aerial photograph from 1959, the adjacent/neighbouring properties to the northwest, northeast, south (across Plains Road East) and west were developed with single-family residential dwellings and the neighbouring properties to the east (across Helena Street) were developed with a single-family residential dwelling and a multi-tenant residential building at that time. According to available City Directories from 1965, 1970 and 1976, the neighbouring properties to the south (across Plains Road East) were first listed as commercial properties between the late-1960s and the early-1970s. Furthermore, available FIPs from September, 1971 and an aerial photograph from 1973 indicated that the neighbouring properties to the south (across Plains Road East) were developed with commercial buildings at those times. According to Google Earth images from 2009, 2004 and 2016, the adjacent property to the west of the Phase One Property was redeveloped with a multi-tenant residential dwelling in approximately the mid-2010s.

It is unknown how the immediate adjacent/neighbouring properties were historically heated. However, as discussed in Section 9.1.3, there was no obvious visual evidence of

abandoned or decommissioned USTs were observed on the immediate adjacent/neighbouring properties on all sides of the Phase One Property (where accessible/visible).

Based on available information to-date, it is unlikely that there is environmental contaminant impact to the Phase One Property from the above-noted historical adjacent and neighbouring property uses.

9.2 Potentially Contaminating Activities

The following is a list of PCAs (description based on the *O. Reg. 153/04*, *as amended* – Table 2: Potentially Contaminating Activities) within the Phase One Study Area that contribute to APECs on the Phase One Property:

- Item #52 – Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems;
- Item #30 – Importation of Fill Material of Unknown Quality; and
- Item # 28 – Gasoline and Associated Products Storage in Fixed Tanks

The above noted Potentially Contaminating Activities (PCAs) are based on the following discussion:

- PCA 1 – *Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles and Material Used to Maintain Transportation Systems.* Based on available City Directories, an available PUR from 1977 and available FIPs from September, 1971, Building D was historically occupied by a "machine shop" (WGM Products Ltd.) from at least the mid-1960s to approximately the late-1980s. Based on the presence of a historical machine shop on the east portion of the Phase One Property and the duration of operations (25 years) of this historical machine shop, it is possible that this historical machine shop represents a potential environmental concern to the Phase One Property.

- PCA 2 – *Importation of Fill Material of Unknown Quality*. Fill materials may have been applied at various locations when the Phase One Property was in the process of first being developed (i.e., construction/development and landscaping) in the early-1950s, when Building B and C were first constructed in the late-1950s, when Building A was first constructed in the early-1970s or during re-configuration of parking or landscaped areas. Based on this information, it is possible that the unknown environmental quality of these fill materials at the Phase One Property may represent an environmental concern to the Phase One Property.

- PCA 3 - *Gasoline and Associated Products Storage in Fixed Tanks*. Based on available PURs, the single-family residential dwelling that was historically present at 1339 Plains Road East (on the west portion of the Phase One Property) and Buildings C and D were serviced by oil-fired forced-air heating. It is assumed that ASTs and/or USTs were associated with the storage of fuel oil used for this forced-air heating. Based on the potential presence of historical ASTs and USTs on the west, east-central and east

portions of the Phase One Property, it is possible that the presence of historical ASTs and/or USTs represents a potential environmental concern to the Phase One Property.

As discussed in Sections 9.1.3 and 9.1.4, additional off-site PCAs were identified within the Phase One Study area; however, based on considerations such as distance from the Phase One Property, assumed groundwater flow direction, and our visual observations, these additional off-site PCAs were determined to not result in APECs on the Phase One Property.

9.3 Areas of Potential Environmental Concern

Based on the information gathered during this Phase One ESA and background information reviewed, the following APECs were identified with regards to the Phase One Property as listed below in Table 11 (also shown on the Phase One ESA CSM Drawing No. 2 in Appendix A).

Table 11 - Areas of Potential Environmental Concern

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 1 Subsurface soils in the vicinity of the east portion of the Phase One Property	East portion of the Phase One Property	52 – Storage, Maintenance, Fueling and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems	On-site	VOCs, PHCs, PAHs, metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN^-	Soil, Groundwater
APEC 2 Near surface soils (i.e. fill materials) at the Phase One Property	Entire Phase One Property	30 – Importation of Fill Material of Unknown Quality	On-site	PAHs, metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN^-, EC, SAR	Soil
APEC 3 Subsurface soils in the vicinity of the southwest, east-central and east portions of the Phase One Property	Southwest, east-central and east portions of the Phase One Property	28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs	Soil, Groundwater

9.4 Phase One Conceptual Site Model

A site location map (Ontario Base Map (OBM)), an aerial photograph depicting the Phase One Conceptual Site Model (CSM) and any Potentially Contaminating Activities (PCAs) affecting the Phase One Property, and a site plan showing neighbouring land uses and any Areas of Potential Environmental Concern (APECs) on the Phase One Property are included in Appendix A of this report as Drawing Nos. 1 to 3, respectively.

Based on this Phase One ESA, the following comprises the Phase One CSM:

At the time of the site reconnaissance, the Phase One Property consisted of two two-storey vacant buildings with full basements (Buildings A and B), one single-storey vacant building with no basement (Building C) and one single-storey commercial building with no basement (Building D) (collectively, the Subject Buildings). Building A was located on the west portion of the Phase One Property and was reportedly constructed in approximately the early-1970s; Building B was located on the west-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; Building C was located on the east-central portion of the Phase One Property and was reportedly constructed in approximately the late-1950s; and Building D was located on the east portion of the Phase One Property and was reportedly constructed in approximately the early-1950s. Vehicular access to the Phase One Property was from four asphalt paved driveways off Plains Road East, located on the south side of the Phase One Property; and from one asphalt paved driveway off Helena Street, located on the northeast side of the Phase One Property. Asphalt paved surface parking and driveway areas were located on the north, east and south sides of Building A; the north and east sides of Buildings B and C; and the north and west sides of Building D. Landscaped areas were generally present along the north, east and south property boundaries and on the west-central portion of the Phase One Property. The total floor area of the Subject Buildings was reportedly 1,691 m^2 (18,202 ft^2), and the Phase One Property had a total area of 0.5 hectares (1.2 acres). The Property Identification Numbers (PINs) for the Phase One Property are 07081-0236, 07081-0214 and 07081-0213, respectively. The properties which comprise the Phase One Property with the municipal addresses 1335, 1343 and 1349 Plains Road East were reportedly owned by 1967012 Ontario Inc., while the property located at 1355 Plains Road East was reportedly owned by 1445470 Ontario Inc.

The Phase One Study Area and the Phase One Property are situated in a developed portion of the City of Burlington. The Provincial Plan Areas & Land Use Designations and Environmentally Sensitive Areas maps provided online by Halton Region, and Areas of Natural and Scientific Interest (ANSIs) maps provided by EcoLog Environmental Risk Information Services (ERIS) and provided online by the Ministry of Natural Resources and Forestry (MNRF) were reviewed to determine if any environmentally sensitive areas are located within the Phase One Study Area. Based on our review of these plans and maps, the following is of note:

- No water bodies or other permanent bodies of water were identified on the Phase One Property or in the Phase One Study Area; and

- No ANSIs were identified on the Phase One Property or in the Phase One Study Area.

Potable water in the Phase One Study Area is provided by Halton Region, which is obtained from Lake Ontario and from groundwater wells. No potable water wells were identified at the Phase One Property.

Property uses adjacent/neighbouring to the Phase One Property consists of single-family residential dwellings to the north; a single-family residential dwelling to the northeast (across Helena Street), a multi-tenant residential property to the east (across Helena Street); a multi-tenant commercial property to the southeast (across Plains Road East), a commercial property to the southwest (across Plains Road East) and a multi-tenant residential property to the west.

The following is a list of identified PCAs (description based on the *O. Reg. 153/04*, as amended – Table 2: Potentially Contaminating Activities) within the Phase One Study Area that contribute to APECs on the Phase One Property:

- PCA 1 – *Storage, Maintenance, Fuelling and Repair of Equipment, Vehicles and Material Used to Maintain Transportation Systems.* Based on available City Directories, an available PUR from 1977 and available FIPs from September, 1971, Building D was historically occupied by a machine shop (WGM Products Ltd.) from at least the mid-1960s to approximately the late-1980s. Based on the presence of a historical machine shop on the east portion of the Phase One Property and the duration of operations (25 years) of this historical machine shop, it is possible that this historical machine shop represents a potential environmental concern to the Phase One Property.

- PCA 2 – *Importation of Fill Material of Unknown Quality*. Fill materials may have been applied at various locations when the Phase One Property was in the process of first being developed (i.e., construction/development and landscaping) in the early-1950s, when Building B and C were first constructed in the late-1950s, when Building A was first constructed in the early-1970s or during re-configuration of parking or landscaped areas. Based on this information, it is possible that the unknown environmental quality of these fill materials at the Phase One Property may represent an environmental concern to the Phase One Property.

- PCA 3 - *Gasoline and Associated Products Storage in Fixed Tanks*. Based on available PURs, the single-family residential dwelling that was historically present at 1339 Plains Road East (on the west portion of the Phase One Property) and Buildings C and D were serviced by oil-fired forced-air heating. It is assumed that aboveground storage tanks ASTs and/or USTs were associated with the storage of fuel oil used for this forced-air heating. Based on the potential presence of historical ASTs and USTs on the west, east-central and east portions of the Phase One Property, it is possible that the presence of historical ASTs and/or USTs represents a potential environmental concern to the Phase One Property.

APECs associated with the above noted PCAs were determined to be the east portion of the Phase One Property for PCA 1; the entire Phase One Property for PCA 2; and the west, east-central and east portions of the Phase One Property for PCA 3. The approximate locations of the PCAs and onsite APECs are shown on the attached Drawing No. 2 and Drawing No. 3, respectively.

Additional off-site PCAs were identified within the Phase One Study area; however, based on considerations such as distance from the Phase One Property, groundwater flow direction, and our visual observations, these additional off-site PCAs were determined to not result in APECs on the Phase One Property.

Contaminants of Potential Concern (COPCs) identified, based on the APECs, include PHCs; VOCs; PAHs; BTEX; and metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN-, Electrical Conductivity and SAR.

Subsurface utilities identified at the Phase One Property which could affect contaminant distribution and transport at the time of the subsurface investigation include:

- A municipal water line, an underground municipal sewer line and natural gas lines. The exact location of these services could not be confirmed during the Phase One investigation.

Topographic information obtained from Google Earth, showed the site elevation to range from approximately 99 m to 103 m amsl. The ground surface at the Phase One Property was generally visually noted to be flat, and surface water at the Phase One Property was assumed to infiltrate into the on-site landscaped areas; or drain towards on-site catch basins, which reportedly discharged to the municipal storm sewer system. It should be noted that the immediate adjacent/neighbouring properties to the north, northeast (across Helena Street), east (across Helena Street), southeast (across Plains Road East), southwest (across Plains Road East) and west of the Phase One Property visually appeared to be generally at the same elevation as the Phase One Property.

The shallow horizontal groundwater flow direction in the area, based on apparent topography, was likely southeast towards Lake Ontario, located approximately 2.4 km southeast of the Phase One Property. It should be noted that the direction of shallow groundwater flow in limited areas are also be influenced by the presence of underground utility corridors and is not necessarily a reflection of local groundwater flow or a replica of the Phase One Property or area topography. A site-specific determination of groundwater flow would be required to obtain groundwater flow direction information for the Phase One Property.

Based on available surficial geology maps, accessed using Google Earth, the native surficial soils in the vicinity of the Phase One Property, are reportedly predominantly comprised of sand and gravel with minor silt and clay. Available geology maps (Ontario Geological Survey (OGS) database "Surface Geology Report") indicated that the Phase One Study Area is comprised of bedrock in the northeast portion and sand in the remaining portions of the Phase One Study Area.

According to information provided in the reviewed EcoLog Environmental Risk Information Services (ERIS) report, a search of the WWIS database for the Phase One Property and Phase One Study Area indicated that a total of 7 water well sites were located within 300 m of the Phase One Property. WWIS Well ID No. 7164921, an observation/monitoring well, was reportedly advanced on January 31, 2011, on the neighbouring property located at 1401 Plains Road East (approximately 175 m east of the Phase One Property) (UTM Zone 17, UTM Co-ordinates Northing – 4798939, Easting – 595833). In addition, it should be noted that S2S obtained the well record for this observation/monitoring well as part of a provincial online well record search. This monitoring and test hole was reportedly advanced to a depth of 4.6 m bgs and consisted of the following stratigraphy:

- Packed brown gravel and sand from ground surface (0.0 m) to a reported depth of approximately 0.6 m bgs;
- Porous brown sand from a reported depth of 0.6 m bgs to a reported depth of 1.8 m bgs;
- Dense grey clay and silt from a reported depth of 1.8 m bgs to a reported depth of 2.7 m bgs; and
- Red shale from a reported depth of 2.7 m bgs to a reported depth of 4.6 m bgs (the maximum extent of the observation/monitoring well).

Furthermore, according to information provided in the reviewed ERIS report, a search of the BORE database for the Phase One Property and Phase One Study Area indicated that a total of 11 boreholes were located within 300 m of the Phase One Property. Borehole ID No. 621051, a geotechnical/geological investigation borehole, was reportedly advanced in September, 1965, on the neighbouring property located at 1325 Plains Road East (approximately 20 m west of the Phase One Property) (UTM Zone 17, UTM Co-ordinates Northing – 4798643, Easting – 595575). This borehole was reportedly advanced to a depth of 6.2 m bgs and consisted of the following stratigraphy:

- Post-glacial age soil from ground surface (0.0 m) to a reported depth of 0.2 m bgs;
- Glacial age loose brown sand, silt and clay from a reported depth of 0.2 m bgs to a reported depth of 0.9 m bgs; and
- Glacial age hard brown till, clay, silt and sand from a reported depth of 0.9 m bgs to a reported depth of 6.2 m bgs.

Based on the Ontario Geological Survey (OGS) database "Bedrock Geology of Ontario" (2011), the Phase One Property is assumed to be underlain by Ordivician shale, limestone, dolostone and siltstone from the Queenston Formation. According to information provided in the WWIS database in the EcoLog ERIS report, bedrock was encountered at depths ranging between 1.5 m and 19.5 m bgs in three water well sites within 300 m of the Phase One Property.

There were no material deviations to the Phase One ESA requirements set out in *O. Reg. 153/04* (as amended) that would cause uncertainty or absence of information that would affect the validity of the findings of this assessment.

10.0 CONCLUSIONS

Based on information gathered and observations made, the Phase One ESA has revealed the following PCAs resulting in APECs at the Phase One Property:

Area of Potential Environmental Concern	Location of Area of Potential Environmental Concern on Phase One Property	Potentially Contaminating Activity	Location of PCA (on-site or off site)	Contaminants of Potential Concern	Media Potentially Impacted (Groundwater, soil and/or sediment)
APEC 1 Subsurface soils in the vicinity of the east portion of the Phase One Property	East portion of the Phase One Property	52 – Storage, Maintenance, Fueling and Repair of Equipment, Vehicles, and Material Used to Maintain Transportation Systems	On-site	VOCs, PHCs, PAHs, metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN^-	Soil, Groundwater
APEC 2 Near surface soils (i.e. fill materials) at the Phase One Property	Entire Phase One Property	30 – Importation of Fill Material of Unknown Quality	On-site	PAHs, metals including As, Sb, Se, B-HWS, Cr(VI), Hg, CN^-, EC, SAR	Soil
APEC 3 Subsurface soils in the vicinity of the southwest, east-central and east portions of the Phase One Property	Southwest, east-central and east portions of the Phase One Property	28 – Gasoline and Associated Products Storage in Fixed Tanks	On-site	PHCs, BTEX, PAHs	Soil, Groundwater

10.1 Whether Phase Two Environmental Site Assessment Required Before Record of Site Condition Submitted

Based on the findings of this Phase One ESA, a Phase Two ESA will be required at the Phase One Property before a RSC can be submitted. The specific objectives of the investigation would be to assess the APECs identified at the Phase One Property in the context of the existing regulatory framework and legislation regarding contaminated sites and Brownfields in the Province of Ontario to confirm whether contaminants are present on, in or under the Phase One Property, and, if so, what the contaminants are, where they are located on, in or under the Phase One Property and at what concentrations.

11.0 CLOSURE

This report has been prepared for the sole benefit of 1967012 Ontario Inc. (Client).

The report may not be relied upon by any other person or entity without the express written consent of S2S Environmental Inc. (S2S) and the Client. Any use that a party makes of this report, or any reliance on decisions made based on it, is the responsibility of such parties. S2S accepts no responsibility for damages, if any, suffered by any party as a result of decisions made or actions based on this report.

S2S makes no other representation whatsoever, including those concerning the legal significance of its findings, or as to the other legal matters addressed incidentally in this report, including but not limited to, ownership of any property, or the application of any law to the facts set forth herein. With respect to regulatory compliance issues, regulatory statutes are Subject to interpretation. These interpretations may change over time, thus the Client should review such issues with appropriate legal counsel.

Some of the information presented in this report was provided through existing documents and interviews. Although attempts were made, whenever possible, to obtain a minimum of two confirmatory sources of information, S2S in certain instances has been required to assume that this information provided is accurate.

The conclusions as presented represent the best judgment of the inspector based on the visual observations of the accessible property elements of the Phase One Property and adjacent properties observed on September 20, 2017. Should additional information become available, S2S requests that this information be brought to our attention so that we may reassess the conclusions presented herein.

Respectfully Submitted,

S2S ENVIRONMENTAL INC.

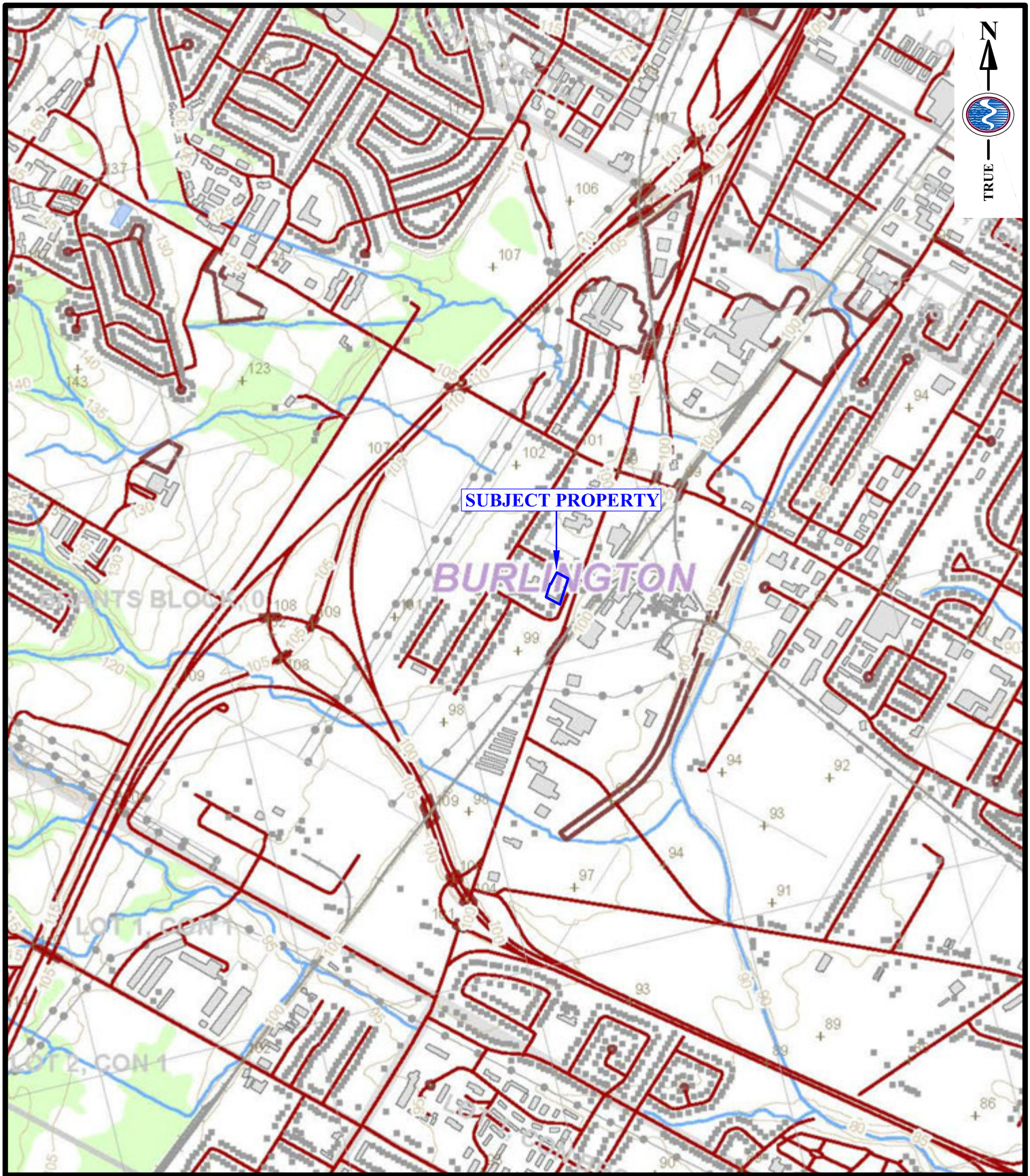
David Beimers, B.Sc.E., EIT
Project Scientist
dbeimers@s2se.com

Riyaz Punjani, P.Eng., QP$_{ESA}$
Technical Reviewer
rpunjani@s2se.com

Distribution: (1 PDF Copy) – Mr. Ayaz Adatiya (1967012 Ontario Inc.)

APPENDIX A

DRAWINGS



0 m | 0.5 km | 1.0 km

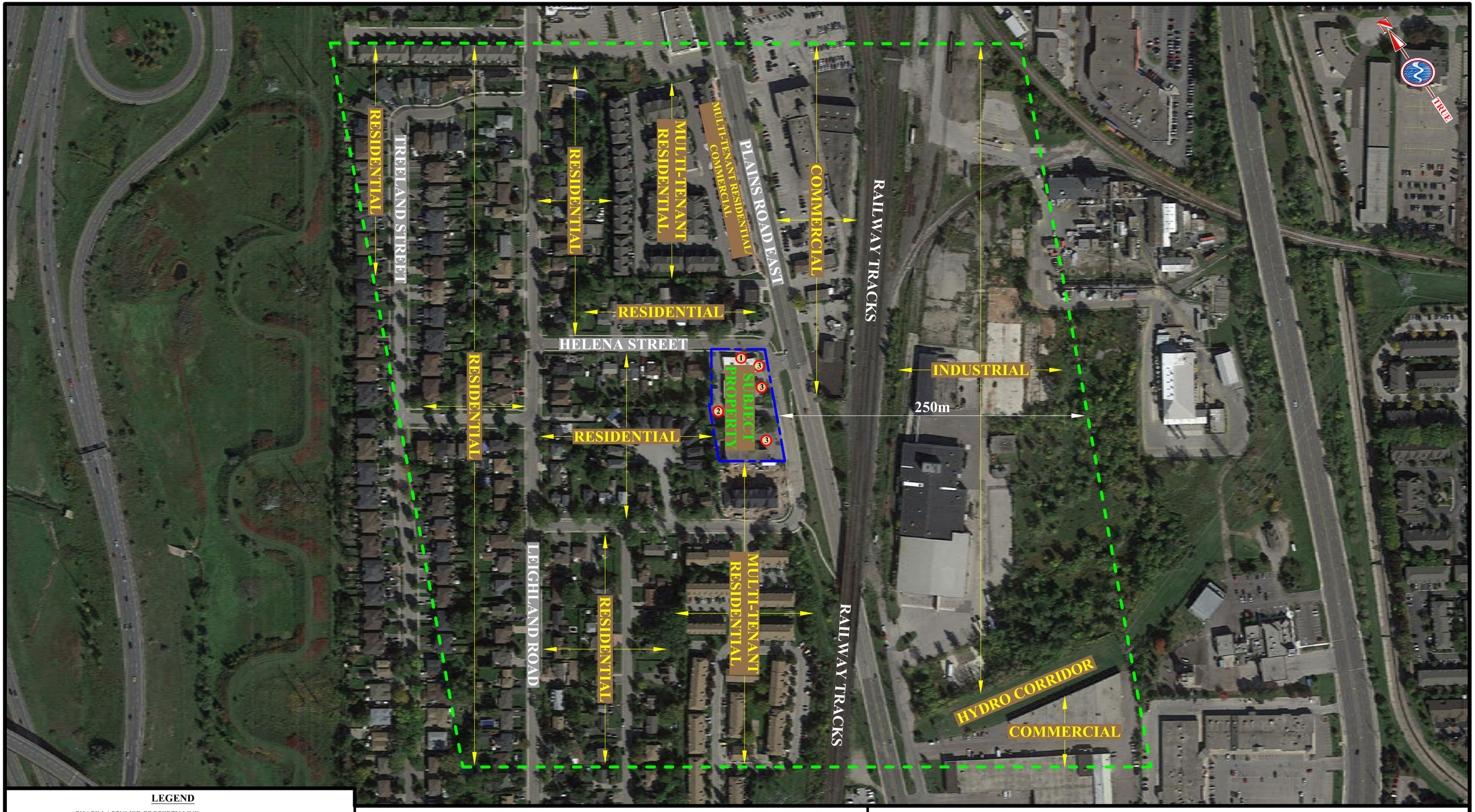
DRAWN BY: YP	DATE: NOV 06, 2017	SCALE: 1:25,000

SITE LOCATION MAP

OBM Map Sheet, Ontario Ministry of Natural Resources, Air Photography 2010

S2S Environmental Inc.

PROJECT NO:	SITE LOCATION:	DRAWING NO:
7202	1335-1355 PLAINS ROAD EAST TORONTO, ONTARIO	1



LEGEND

PHASE I ASSUMED PROPERTY LINE

PHASE I STUDY AREA

1 POTENTIALLY CONTAMINATING ACTIVITY (PCA)

1. 1355 Plains Road East
   52- Storage, Maintenance, Fuelling + Repair of Equipment, Vehicles and Material Used to Maintain Transportation Systems
2. Phase One Property
   30- Importation of Fill Material of Unknown Quality
3. 1339 Plains Road East and 1349 Plains Road East
   28- Gasoline and Associated Products Storage in Fixed Tanks

NOTE: IMAGERY DATE: NOVEMBER 2016, GOOGLE EARTH

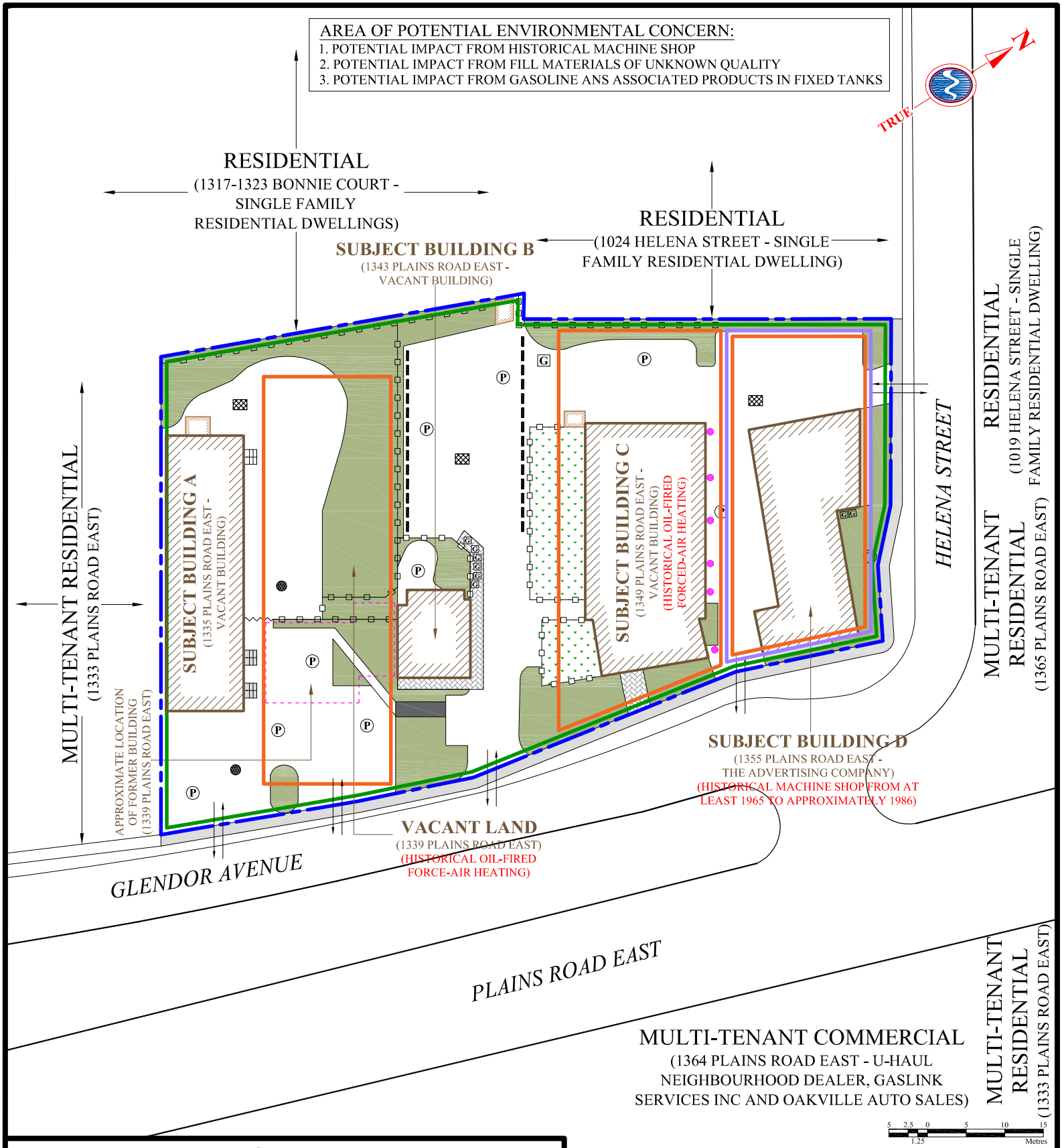
PHASE ONE ESA CONCEPTUAL SITE MODEL

DATE: NOV 06, 2017	DRAWN BY: YP

S2S Environmental Inc.

SCALE: 0m 10m

PROJECT NO:	SITE LOCATION:	DRAWING NO:
7202	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	2



LEGEND

- ASSUMED PROPERTY LINE
- SITE ACCESS
- PRE-CAST CONCRETE CAR STOPS
- WOODEN FENCE
- EXTERIOR CONCRETE STAIRS WITH METAL BAR RAILING
- EXTERIOR METAL STAIRS WITH METAL BAR RAILING
- (P) ASPHALT PAVED PARKING AND DRIVEWAY
- CATCH BASIN
- G GARBAGE BIN
- MANHOLE
- CONCRETE BOLLARDS
- SUBJECT BUILDING
- SHED
- CONCRETE WALKWAY
- LANDSCAPED AREA
- PLAYGROUND AREA
- INTERLOCKING BRICK
- CONCRETE PAVERS
- AREA OF POTENTIAL ENVIRONMENTAL CONCERN: 1, 2, 3

NOTE: THE LOCATION OF SITE FEATURES ARE APPROXIMATE AND NOT BASED ON MEASUREMENT AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY.

S2S Environmental Inc.

SCALE:	
AS SHOWN	

PROJECT NO:	SITE LOCATION:	DRAWING NO:
7072	1335-1355 PLAINS ROAD EAST TORONTO, ONTARIO	3

SITE PLAN SHOWING NEIGHBOURING LAND USES AND AREA OF POTENTIAL ENVIRONMENTAL CONCERN

DATE: NOV 03, 2017	DRAWN BY: YP

APPENDIX B

ASSESSOR QUALIFICATIONS

Name: David Beimers, B.Sc.E., EIT

Position: Project Scientist

Education: **B.Sc.E., Engineering Chemistry**, Queen's University, ON, 2016

Environmental Site Assessments

- Project Scientist, Phase I Environmental Site Assessments (ESA) for various industrial, commercial and residential buildings.
- Conducted detailed reviews of environmental registries, city directories, topographic and geological maps, and pertinent historical information.
- Conducted interviews with property owners, occupants, key site personnel and local government officials to obtain information concerning the environmental conditions related to the Subject Property and adjacent properties.
- Identified and assessed potential or actual environmental contamination and presence of hazardous materials.
- Developed conclusions and recommendations based on applicable federal, provincial, and municipal regulations

Property Condition Assessments

- Project Scientist, Property Condition Assessments (PCA) for various industrial, commercial and residential buildings.
- Conducted visual assessment of property elements and various industrial, commercial, residential buildings.
- Evaluated visually the structural elements of buildings and related structures.
- Assessed the conditions of various roofing systems, the exterior and interior walls, floors, ceilings of buildings and paved areas.
- Inspected mechanical and electrical systems on properties from a non-specialist viewpoint.
- Recommended replacement, reconstruction and/or repair of building elements. Estimated costs for immediate and replacement costs in capital reserve tables for clients.

Name: Riyaz Punjani, P.Eng., QP_{ESA}

Position: Senior Consultant

Education **B.A.Sc., Civil and Environmental Engineering**, University of Toronto, ON, 1989

Courses **Arbitration I and II**, University of Toronto, ON, 1995
QMI ISO9001 Quality Management Course, Mississauga, ON, 1995
Leaders & Managers Course, JWEL, Markham, ON, 1997-1999
USEPA – AHERA (Asbestos Hazardous Emergency Response Act) Building Inspector and Management Planner Training Course
Cole & Associates, Seattle, WA, USA, 1999
Confined Space Entry Training, BC Research Inc., Vancouver, BC, 2000
Results-Centred Leadership Program – Executive Management
Catalyst Training Services Inc., Vancouver, BC, 2001

Environmental Site Assessments

- Senior Project Manager/Lead Auditor/Technical Reviewer, Phase I & II Environmental Site Assessments and Compliance Audits at over 1000 sites for Manulife Financial, HSBC, Bank of Montreal, Bank of Nova Scotia, Buetel Goodman Real Estate Group, Royal Bank, Ontario Pension Board, City of Toronto, Public Works and Government Services Canada, Transport Canada, CN Real Estate, CN North America, Kelsey Hayes, ArrowHead Metals, Albright & Wilson, Goodyear, Colgate-Palmolive and numerous other financial and industrial clients. In addition to Phase I ESAs, scope of work included conducting shallow vapour surveys, electromagnetic surveys, environmental/compliance audits, and intrusive investigations for petroleum, solvent and metals contamination.

- Senior Project Manager/Technical Reviewer, Phase II Environmental Site Assessments at over 500 petroleum storage and dispensing facilities, for Shell Canada Products Limited, Petro-Canada, Imperial Oil Limited, Canadian Tire Petroleum, UCO Petroleum Inc., Department of National Defence, Canex and industrial/financial institutions.

- Senior Project Manager, Hazardous Materials and Site Decommissioning studies, including PCBs, heavy metals, asbestos and environmental soil and groundwater sampling and analyses, Metro Toronto Housing Authority, General Tire, Goodyear, Chrysler, Corning, Great-West Life, Albright & Wilson, Kelsey-Hayes and numerous other industrial clients.

Environmental Site Remediation

- Senior Project Manager, Phase III Environmental Site Remediation (soil and groundwater) at over 200 petroleum contaminated sites including excavation and disposal, bio-venting, vapour extraction, bio-slurping, bioremediation (*in-situ/ex-situ*), air sparging and soil management, for Shell Canada Products Limited, Petro-Canada, Imperial Oil Limited, Canadian Tire Petroleum, UCO Petroleum Inc., Department of National Defence, Transport Canada, Canex and industrial/financial institutions.
- Senior Project Manager, Total Project Management including preparation of scope of work, tendering to contractors, costing, regulatory/public liaison, Remedial Action Plan preparation and presentation, decommissioning of sites (hazardous materials, solvents, PCBs, asbestos, coal tar, PAHs, heavy metals, etc.), brown field developments of numerous service stations and industrial properties across Ontario and British Columbia, for major petroleum clients, Federal and Provincial Governments, industrial clients and municipalities.

APPENDIX C

RESOURCE INFORMATION

HISTORICAL SOURCES, REGULATORY CONTACTS, BACKGROUND INFORMATION AND PERSONS INTERVIEWED

SOURCE	INFORMATION RECEIVED/REVIEWED
Mr. Ayaz Adatiya of 1967012 Ontario Inc., Mr. Peter Contant of 1445470 Ontario Inc., and Mr. Greg Ressel of 2230168 Ontario Inc. and 1810880 Ontario Inc.	Site access, site current and historical information
City Directories - Toronto Reference Library	1965, 1970, 1976, 1981, 1986, 1991, 1997, 2002, 2008 and 2013
Fire Insurance Plans - Toronto Reference Library	September, 1971
Aerial Photographs - National Air Photo Library - Google Earth	1934, 1959, 1973 and 1986 2004, 2009, 2014, 2016 and 2017
Topographic/Ontario Base Maps - SoftMap Plus Software	Ontario Base Maps Volume 1
Title Search	The Land Registry Office #20
EcoLog Environmental Risk Information Services (ERIS) Ltd.	RSC Report (Urban) EcoLog ERIS Report (dated September 21, 2017) providing information on the Phase One Property and all adjacent/ neighbouring properties within a 300 m search radius from the boundaries of the Phase One Property, through a comprehensive search of all federal, provincial and private source data (attached as Appendix E)
Property Underwriters' Report (PUR) and Property Underwriters' Plan (PUP) - Opta Information Intelligence Inc.	PURs: 1977, 1978 and 1985

SOURCE	INFORMATION RECEIVED/REVIEWED
Ontario Geological Survey 2007. Physiography of Southern Ontario, Miscellaneous Release--Data 228. 2007. (dataset provided in Google Earth format)	Regional physiography data
Ontario Geological Survey 2011. 1:250 000 scale bedrock geology of Ontario, Miscellaneous Release---Data 126-Revision 1. 2011. (dataset provided in Google Earth format)	Regional bedrock geology data
Ontario Geological Survey 2010. Surficial geology of Southern Ontario; Ontario Geological Survey, Miscellaneous Release--Data 128-REV – OGS Earth Mapping Service "Google Earth"	Regional geological soil data
MOECC Inventory of Coal Gasification Plant Waste Sites in Ontario, Vol. I & II, April, 1987	Coal Gasification Plant Waste Sites potentially near Phase One Property
MOECC Waste Disposal Site Inventory, June, 1991	Waste Disposal Sites potentially near Phase One Property
MOECC Ontario Inventory of PCB Storage Sites, October, 2004	PCB Storage Sites potentially near Phase One Property
MOECC on-line Hazardous Waste Information Network (HWIN), Registered Generator List (Accessed October, 2017).	Potential list of current hazardous waste generators for the Phase One Property and neighbouring properties
MOECC Hazardous Waste Information Systems, Public Information Data Set, 1986 to 2015 (Accessed November, 2017)	Potential list of historic hazardous waste generators for the Phase One Property and neighbouring properties
The MOECC on-line Brownfields Environmental Site Registry (Accessed November, 2017)	A list of sites that have voluntarily filed a Records of Site Condition in the accordance with the Environmental Protection Act

SOURCE	INFORMATION RECEIVED/REVIEWED
Technical Standards and Safety Authority (TSSA). Contact: Ruchi Chohan, rchohan@tssa.org	Review of computer database for possible storage of fuels on Phase One Property from 1990 to present.
Provincial Plan Areas & Land Use Designations and Environmentally Sensitive Areas Obtained from www.halton.ca	Environmentally sensitive areas identified by Halton Region

NOTE: The available historical coverage (i.e. city directories, fire insurance plans and aerial photographs) is not a continuous record. It is possible that features of interest may have appeared and disappeared between coverage dates, or in some cases may have predated available coverage. In addition, aerial photograph quality is variable and in some instances site features are difficult to identify or their purpose may be difficult to establish.

APPENDIX D

ECOLOG ERIS REPORT

ENVIRONMENTAL RISK INFORMATION SERVICES

DATABASE REPORT

Project Property:	*1355 Plains Road East, Burlington* *1355 Plains Rd E* *Burlington ON L7R3P7*
Project No:	*7202_CO*
Report Type:	*RSC Report (Urban)*
Order No:	*20170914115*
Requested by:	*S2S Environmental Inc.*
Date Completed:	*September 21, 2017*

Environmental Risk Information Services
A division of Glacier Media Inc.
P: 1.866.517.5204
E: info@erisinfo.com

www.erisinfo.com

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Executive Summary

Property Information:

Project Property:	*1355 Plains Road East, Burlington* *1355 Plains Rd E Burlington ON L7R3P7*
Project No:	*7202_CO*

Order Information:

Order No:	*20170914115*
Date Requested:	*September 14, 2017*
Requested by:	*S2S Environmental Inc.*
Report Type:	*RSC Report (Urban)*

Historical/Products:

Insurance Products	*Site Specific Plans*
Insurance Products	*Fire Insurance Maps/Inspection Reports/Site Specific Plans*
Insurance Products	*Fire Insurance Maps*
Topographic Map	*ANSI Map & Ontario Base Map (OBM)*
Topographic Map	*National Topographic Maps*
Topographic Map	*Ontario Base Map (OBM)*

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.30km	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	11	11
CA	Certificates of Approval	Y	0	14	14
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	4	4
ECA	Environmental Compliance Approval	Y	0	3	3
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	8	8
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	3	3
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	38	38
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	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

Database	Name	Searched	Project Property	Boundary to 0.30km	Total
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	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	18	18
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
ORD	Orders	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
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	1	1
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	3	3
RST	Retail Fuel Storage Tanks	Y	0	3	3
SCT	Scott's Manufacturing Directory	Y	0	3	3
SPL	Ontario Spills	Y	0	17	17
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	7	7
	Total:		0	133	133

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number

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

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	CA	R.M. OF HALTON - LEIGHLAND RD.	HELENA ST./PLAINS RD. E. BURLINGTON CITY ON	SE/14.8	0.00	25
1	CA	R.M. OF HALTON - LEIGHLAND RD.	PLAINS RD.E./HELENA ST/GLENDOR BURLINGTON CITY ON	SE/14.8	0.00	25
1	SPL	TANK TRUCK	PLAINS RD/HELENA ST. TANK TRUCK (CARGO) NOT PETROLEUM BURLINGTON CITY ON	SE/14.8	0.00	25
2	EHS		1335-1349 Plains Rd E, Burlington Burlington ON	WSW/31.4	-0.73	26
3	WWIS		ON	NE/42.7	0.00	26
4	EHS		1368 Plains Road East Burlington ON L7R 3P8	E/44.2	0.00	28
5	EHS		1364 Plains Rd E Burlington ON L7R3P8	ESE/54.9	0.00	28
6	EXP	BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON	SE/59.2	0.00	29
6	EXP	BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON	SE/59.2	0.00	29
6	EXP	BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON	SE/59.2	0.00	29
6	GEN	BURLINGTON TAXI LIMITED	1364 PLAINS ROAD EAST BURLINGTON ON L7R 3P8	SE/59.2	0.00	29
6	GEN	BURLINGTON TAXI LTD.	1364 PLAINS RD. EAST BURLINGTON ON L7R 3P8	SE/59.2	0.00	30
6	GEN	BURLINGTON TAXI LTD. 06-368	1364 PLAINS ROAD EAST BURLINGTON ON L7R 3P8	SE/59.2	0.00	30
6	GEN	BURLINGTON TAXI LTD. 06-368	1364 PLAINS RD. EAST BURLINGTON ON L7R 3P8	SE/59.2	0.00	31
6	GEN	BURLING(OUT OF BUSINESS)	1364 PLAINS ROAD EAST BURLINGTON ON L7R 3P8	SE/59.2	0.00	31
6	PRT	BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON L7R3P8	SE/59.2	0.00	31
6	RST	GASLINK TRANSPORT INC	MAIN 1364 PLAINS RD E BURLINGTON ON L7R 3P8	SE/59.2	0.00	31
6	RST	GAS LINK SERVICES INC	MAIN 1364 PLAINS RD E BURLINGTON ON L7R 3P8	SE/59.2	0.00	32
7	RST	GASLINK SERVICES INC	1364 PLAINS RD E BURLINGTON ON L7R3P8	ESE/60.5	0.00	32
7	SPL	Union Gas Limited	1364 Plains Road East Burlington ON	ESE/60.5	0.00	32
8	WWIS		BURLINGTON ON	S/69.4	0.00	32
9	WWIS		ON	ESE/78.5	0.00	35
10	SPL	HAMILTON, CORP. OF THE CITY OF	1282 PLAINS RD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	S/82.9	0.00	35

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
11	WWIS		BURLIGNTON ON	ENE/97.3	0.00	36
12	WWIS		BURLINGTON ON	SSW/99.0	0.00	38
13	RSC		1325 PLAINS ROAD EAST, BURLINGTON, ON L7R 3P7 Burlington ON	SSW/107.7	-0.63	40
14	EHS		1325 Plains Rd E Burlington ON	SSW/113.0	-1.00	40
15	BORE		ON	NNE/115.1	0.00	40
16	BORE		ON	SSW/130.5	-0.58	41
17	BORE		ON	WSW/140.5	-1.00	41
18	EHS		1390-1400 Plains Rd E Burlington ON L7R 3P8	NE/140.6	0.00	42
19	BORE		ON	NE/149.5	0.00	42
20	SPL	SUN CHEMICAL LTD.	LUGGER BOX BURLINGTON CITY ON	S/150.3	0.00	42
21	EHS		1401 Plains Road East Burlington ON L7R 3P9	NNE/153.6	0.00	43
21	GEN	Holland Chev Olds	1401 Plains Road East Burlington ON L7R 3P9	NNE/153.6	0.00	43
21	RSC	Mississauga Motors Limited	1401 PLAINS RD E, BURLINGTON, ON, L7R 3P9 BURLINGTON ON L7R 3P9	NNE/153.6	0.00	43
21	RSC	Mississauga Motors Limited	1401 PLAINS RD E, BURLINGTON, ON, L7R 3P9 BURLINGTON ON L7R 3P9	NNE/153.6	0.00	44
22	BORE		ON	NW/156.9	-1.00	44
23	BORE		ON	WNW/161.8	-1.00	45
24	SCT	WYATT ART POTTERY	1390 LEIGHLAND RD BURLINGTON ON L7R 3S8	N/166.4	0.00	45
25	BORE		ON	NNE/174.3	0.00	46
26	SPL	PRIVATE OWNER	1312 CORIC AVE. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON L7R 3S3	WSW/175.5	-1.00	46
27	CA		1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	46
27	CA	REICHHOLD LIMITED	1274 PLAINS ROAD EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	47
27	CA		1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	47
27	CA		1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	47
27	CA	SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	48
27	CA		1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	48

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	EBR	Sun Chemical Limited	1274 Plains Road East City of Burlington ON L7S 1W6	S/186.4	-0.63	48
27	EBR	Sun Chemical Limited	1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	48
27	EBR	Sun Chemical Limited	1274 PLAINS ROAD EAST City of Burlington ON L7S 1W6	S/186.4	-0.63	49
27	EBR	Sun Chemical Limited	1274 Plains Rd East Burlington ON L7S 1W6	S/186.4	-0.63	49
27	ECA	Sun Chemical Limited	1274 Plains Rd E Burlington ON L7S 1W6	S/186.4	-0.63	49
27	EHS		1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	49
27	GEN	CAN--INK (ON0086701/SEE&USE GENERAL)	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	S/186.4	-0.63	50
27	GEN	GENERAL PR(SEE & USE ON1386703) 16-011	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	S/186.4	-0.63	50
27	GEN	MAY & BAKER CANADA INC (OUT OF BUSINESS)	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	50
27	GEN	MAY & BAKER CANADA INC.	1274 PLAINS ROAD, EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	50
27	GEN	CANADA PRINTING INK	DIV. OF REICHHOLD LIMITED 1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	51
27	GEN	GENERAL PR(SEE & USE ON1386703)	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	S/186.4	-0.63	51
27	GEN	SUN CHEMICAL CORPORATION LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	52
27	GEN	REICHHOLD CHEMICALS	1274 Plains Road Burlington ON L7S 1W6	S/186.4	-0.63	52
27	GEN	REICHHOLD LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	52
27	GEN	MAY & BAKER CANADA INC(OUT OF BUS)	1274 PLAINS ROAD, EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	53
27	GEN	SUN CHEMICAL LIMITED	1274 Plains Rd. East Burlington ON	S/186.4	-0.63	53
27	GEN	NIAGARA CHEMICAL	1274 PLAINS RD. BURLINGTON ON L7R 3Z1	S/186.4	-0.63	54
27	GEN	MAY & BAKER CANADA INC(OUT OF BUS)25-091	1274 PLAINS ROAD, EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	54
27	GEN	SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	54
27	GEN	GENERAL PRINTING INK CORP	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	S/186.4	-0.63	55
27	GEN	SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	55
27	GEN	REICHHOLD LTD.	1274 PLAINS ROAD EAST, BURLINGTON C/O 4 ROBERT SPECK PKWY SUITE 700 MISSISSAUGA ON L7S 1W6	S/186.4	-0.63	56
27	GEN	REICHHOLD CHEMICALS	1274 Plains Road Burlington ON L7S 1W6	S/186.4	-0.63	56
27	GEN	REICHHOLD LTD. 33-681	1274 PLAINS ROAD EAST, BURLINGTON C/O 4 ROBERT SPECK PKWY SUITE 700 MISSISSAUGA ON L7S 1W6	S/186.4	-0.63	56

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
27	GEN	SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON	S/186.4	-0.63	57
27	GEN	SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	57
27	GEN	SUN CHEMICAL CORP. LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	58
27	GEN	REICHHOLD LTD.	1274 PLAINS ROAD EAST, BURLINGTON BURLINGTON ON L7S 1W6	S/186.4	-0.63	58
27	GEN	SUN CHEMICAL CORP LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	S/186.4	-0.63	58
27	SCT	Sun Chemical Limited	1274 Plains Rd E Burlington ON L7S 1W6	S/186.4	-0.63	59
27	SPL	Union Gas Limited	1274 Plains Rd E Burlington ON	S/186.4	-0.63	59
27	SPL	SUN CHEMICAL	BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	59
27	SPL	SUN CHEMICAL	1274 PLAINS RD E BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	60
27	SPL	Sun Chemical Limited	1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	60
27	SPL	Sun Chemical Limited	1274 Plains Road East Burlington ON L7S 1W6	S/186.4	-0.63	60
27	SPL		1274 Plains Road Burlington ON	S/186.4	-0.63	61
27	SPL	SUN CHEMICAL	1274 PLAINS ROAD EAST RAIL SIDING BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	61
27	SPL	SUN CHEMICAL	BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	61
27	SPL	SUN CHEMICAL	BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	62
27	SPL	TRANSPORT TRUCK	1274 PLAINS ROAD EAST. TRANSPORT TRUCK (CARGO) BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	62
27	SPL	SUN CHEMICAL	1274 PLAINS RD BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	S/186.4	-0.63	63
28	CA	TARBOOSH RESTAURANT	1400 PLANS ROAD EAST BURLINGTON CITY ON	ENE/187.0	0.00	63
28	EHS		1400 Plains Road East Burlington ON L7R 3P8	ENE/187.0	0.00	63
28	GEN	Stone Gate Properties Inc.	1400 Plains Road East Burlington ON L7R 3P8	ENE/187.0	0.00	63
28	GEN	Stone Gate Properties Inc.	1400 Plains Road East Burlington ON L7R 3P8	ENE/187.0	0.00	64
28	GEN	Stone Gate Properties Inc.	1400 Plains Road East Burlington ON L7R 3P8	ENE/187.0	0.00	64
28	SCT	CES Graphic Supplies Inc.	1400 Plains Rd E Burlington ON L7R 3P8	ENE/187.0	0.00	64
29	NPRI	Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	65

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	65
29	NPRI	Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	65
29	NPRI	Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	66
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	66
29	NPRI	Sun Chemical Ltd. (Burlington)	Burlington ON	SSW/197.1	-0.16	66
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	66
29	NPRI	Sun Chemical Ltd. (Burlington)	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	67
29	NPRI	Sun Chemical Ltd.	1274 Plains Road East Burlington ON L7S 3Z1	SSW/197.1	-0.16	67
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	68
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	68
29	NPRI	Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	68
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	68
29	NPRI	Sun Chemical Ltd. (Burlington)	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	70
29	NPRI	Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	SSW/197.1	-0.16	71
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	71
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	71
29	NPRI	SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	SSW/197.1	-0.16	71
30	ECA	Premiere Village Ltd.	1393 Leighland Rd & 1397 1403 1413 1423 & 1417 Leighland Road Burlington ON L9T 5A6	NNW/213.9	0.00	72
30	ECA	Premiere Village Ltd.	1393 Leighland Rd & 1397 1403 1413 1423 & 1417 Leighland Road Burlington ON L9T 5A6	NNW/213.9	0.00	72
31	GEN	Stone Gate Properties Inc.	1400 Plains Road Burlington ON L7R 3P8	NE/234.1	0.00	72
31	GEN	Stone Gate Properties Inc.	1400 Plains Road East Burlington ON L7R 3P8	NE/234.1	0.00	73
31	GEN	Stone Gate Properties Inc.	1400 Plains Road East Burlington ON	NE/234.1	0.00	73
32	WWIS		BIRLINGTON ON	ENE/239.7	0.00	73
33	BORE		ON	SSE/241.7	-1.95	76
34	CA	Premiere Village Ltd.	1393, 1397, 1403, 1413 & 1423, 1417 Leighland Rd Burlington ON	N/244.6	0.00	76

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
35	WWIS		ON	NE/245.5	0.00	76
36	BORE		ON	NW/256.7	0.00	79
37	SPL	UNKNOWN	1417 PLAINS RD E BURLINGTON CITY ON L7R 3P9	NE/257.5	0.00	80
38	BORE		ON	NE/265.0	0.00	80
39	CA	COUNTRY GREEN HOMES INC.	TREELAND ST/GABRIEL PL/PH.3 BURLINGTON CITY ON	NW/268.9	0.00	80
39	CA	WHITE BIRCH LANDS LIMITED	TREELAND ST./GABRIEL PLACE BURLINGTON CITY ON	NW/268.9	0.00	81
39	CA	WHITE BIRCH LANDS LIMITED	TREELAND ST./GABRIEL PLACE BURLINGTON CITY ON	NW/268.9	0.00	81
39	CA	COUNTRY GREEN HOMES INC.	TREELAND ST/GABRIEL PL/PH.3 BURLINGTON CITY ON	NW/268.9	0.00	81
40	GEN	Canadian Tire Corporation, limited	1435 Plains Road East Burlington ON L7R 3P9	NNE/286.1	0.00	82
40	GEN	Canadian Tire Corporation, limited	1435 Plains Road East Burlington ON L7R 3P9	NNE/286.1	0.00	82
41	BORE		ON	ENE/291.6	0.00	82

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 11 BORE site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	115.1	15
	ON	130.5	16
	ON	140.5	17
	ON	149.5	19
	ON	156.9	22
	ON	161.8	23
	ON	174.3	25
	ON	241.7	33
	ON	256.7	36
	ON	265.0	38
	ON	291.6	41

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 14 CA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
R.M. OF HALTON - LEIGHLAND RD.	HELENA ST./PLAINS RD. E. BURLINGTON CITY ON	14.8	1
R.M. OF HALTON - LEIGHLAND RD.	PLAINS RD.E./HELENA ST/GLENDOR BURLINGTON CITY ON	14.8	1
	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON CITY ON L7S 1W6	186.4	27

Site	Address	Distance (m)	Map Key
	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
REICHHOLD LIMITED	1274 PLAINS ROAD EAST BURLINGTON CITY ON L7S 1W6	186.4	27
	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
TARBOOSH RESTAURANT	1400 PLANS ROAD EAST BURLINGTON CITY ON	187.0	28
Premiere Village Ltd.	1393, 1397, 1403, 1413 & 1423, 1417 Leighland Rd Burlington ON	244.6	34
COUNTRY GREEN HOMES INC.	TREELAND ST/GABRIEL PL/PH.3 BURLINGTON CITY ON	268.9	39
WHITE BIRCH LANDS LIMITED	TREELAND ST./GABRIEL PLACE BURLINGTON CITY ON	268.9	39
WHITE BIRCH LANDS LIMITED	TREELAND ST./GABRIEL PLACE BURLINGTON CITY ON	268.9	39
COUNTRY GREEN HOMES INC.	TREELAND ST/GABRIEL PL/PH.3 BURLINGTON CITY ON	268.9	39

EBR - Environmental Registry

A search of the EBR database, dated 1994-Aug 2017 has found that there are 4 EBR site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Sun Chemical Limited	1274 Plains Road East City of Burlington ON L7S 1W6	186.4	27
Sun Chemical Limited	1274 PLAINS ROAD EAST City of Burlington ON L7S 1W6	186.4	27
Sun Chemical Limited	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
Sun Chemical Limited	1274 Plains Rd East Burlington ON L7S 1W6	186.4	27

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Mar 2017 has found that there are 3 ECA site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Sun Chemical Limited	1274 Plains Rd E Burlington ON L7S 1W6	186.4	27
Premiere Village Ltd.	1393 Leighland Rd & 1397 1403 1413 1423 & 1417 Leighland Road Burlington ON L9T 5A6	213.9	30

Site	Address	Distance (m)	Map Key
Premiere Village Ltd.	1393 Leighland Rd & 1397 1403 1413 1423 & 1417 Leighland Road Burlington ON L9T 5A6	213.9	30

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2016 has found that there are 8 EHS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1335-1349 Plains Rd E, Burlington Burlington ON	31.4	2
	1368 Plains Road East Burlington ON L7R 3P8	44.2	4
	1364 Plains Rd E Burlington ON L7R3P8	54.9	5
	1325 Plains Rd E Burlington ON	113.0	14
	1390-1400 Plains Rd E Burlington ON L7R 3P8	140.6	18
	1401 Plains Road East Burlington ON L7R 3P9	153.6	21
	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
	1400 Plains Road East Burlington ON L7R 3P8	187.0	28

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Feb 28, 2017 has found that there are 3 EXP site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON	59.2	6
BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON	59.2	6
BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON	59.2	6

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jun 2017 has found that there are 38 GEN site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BURLINGTON TAXI LIMITED	1364 PLAINS ROAD EAST BURLINGTON ON L7R 3P8	59.2	6
BURLINGTON TAXI LTD. 06-368	1364 PLAINS ROAD EAST BURLINGTON ON L7R 3P8	59.2	6
BURLINGTON TAXI LTD. 06-368	1364 PLAINS RD. EAST BURLINGTON ON L7R 3P8	59.2	6
BURLING(OUT OF BUSINESS)	1364 PLAINS ROAD EAST BURLINGTON ON L7R 3P8	59.2	6
BURLINGTON TAXI LTD.	1364 PLAINS RD. EAST BURLINGTON ON L7R 3P8	59.2	6
Holland Chev Olds	1401 Plains Road East Burlington ON L7R 3P9	153.6	21
CAN--INK (ON0086701/SEE&USE GENERAL)	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	186.4	27
GENERAL PR(SEE & USE ON1386703) 16-011	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	186.4	27
MAY & BAKER CANADA INC (OUT OF BUSINESS)	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
MAY & BAKER CANADA INC.	1274 PLAINS ROAD, EAST BURLINGTON ON L7S 1W6	186.4	27
CANADA PRINTING INK	DIV. OF REICHHOLD LIMITED 1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
GENERAL PR(SEE & USE ON1386703)	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	186.4	27
SUN CHEMICAL CORPORATION LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
REICHHOLD CHEMICALS	1274 Plains Road Burlington ON L7S 1W6	186.4	27
REICHHOLD LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
MAY & BAKER CANADA INC(OUT OF BUS)	1274 PLAINS ROAD, EAST BURLINGTON ON L7S 1W6	186.4	27
SUN CHEMICAL LIMITED	1274 Plains Rd. East Burlington ON	186.4	27
NIAGARA CHEMICAL	1274 PLAINS RD. BURLINGTON ON L7R 3Z1	186.4	27
MAY & BAKER CANADA INC(OUT OF BUS)25-091	1274 PLAINS ROAD, EAST BURLINGTON ON L7S 1W6	186.4	27
SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
GENERAL PRINTING INK CORP	1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	186.4	27
SUN CHEMICAL LIMITED	1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
REICHHOLD LTD.	1274 PLAINS ROAD EAST, BURLINGTON C/O 4 ROBERT SPECK PKWY SUITE 700 MISSISSAUGA ON L7S 1W6	186.4	27

Site		Address	Distance (m)	Map Key
REICHHOLD CHEMICALS		1274 Plains Road Burlington ON L7S 1W6	186.4	27
REICHHOLD LTD.	33-681	1274 PLAINS ROAD EAST, BURLINGTON C/O 4 ROBERT SPECK PKWY SUITE 700 MISSISSAUGA ON L7S 1W6	186.4	27
SUN CHEMICAL LIMITED		1274 PLAINS ROAD EAST BURLINGTON ON	186.4	27
SUN CHEMICAL LIMITED		1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
SUN CHEMICAL CORP. LIMITED		1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
REICHHOLD LTD.		1274 PLAINS ROAD EAST, BURLINGTON BURLINGTON ON L7S 1W6	186.4	27
SUN CHEMICAL CORP LIMITED		1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	186.4	27
Stone Gate Properties Inc.		1400 Plains Road East Burlington ON L7R 3P8	187.0	28
Stone Gate Properties Inc.		1400 Plains Road East Burlington ON L7R 3P8	187.0	28
Stone Gate Properties Inc.		1400 Plains Road East Burlington ON L7R 3P8	187.0	28
Stone Gate Properties Inc.		1400 Plains Road Burlington ON L7R 3P8	234.1	31
Stone Gate Properties Inc.		1400 Plains Road East Burlington ON L7R 3P8	234.1	31
Stone Gate Properties Inc.		1400 Plains Road East Burlington ON	234.1	31
Canadian Tire Corporation, limited		1435 Plains Road East Burlington ON L7R 3P9	286.1	40
Canadian Tire Corporation, limited		1435 Plains Road East Burlington ON L7R 3P9	286.1	40

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-2014 has found that there are 18 NPRI site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29
Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29
Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29

Site	Address	Distance (m)	Map Key
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29
Sun Chemical Ltd. (Burlington)	Burlington ON	197.1	29
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29
Sun Chemical Ltd. (Burlington)	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29
Sun Chemical Ltd.	1274 Plains Road East Burlington ON L7S 3Z1	197.1	29
SUN CHEMICAL LTD.	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29
Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29
Sun Chemical Ltd. (Burlington)	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29
Sun Chemical Ltd.	1274 Plains Rd. E. Burlington ON L7S 3Z1	197.1	29
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29
SUN CHEMICAL LTD.	1274 Plains Road Burlington ON L7S3Z1	197.1	29

PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 1 PRT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
BURLINGTON TAXI LTD	1364 PLAINS RD E BURLINGTON ON L7R3P8	59.2	6

RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Aug 2017 has found that there are 3 RSC site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	1325 PLAINS ROAD EAST, BURLINGTON, ON L7R 3P7 Burlington ON	107.7	13

Site	Address	Distance (m)	Map Key
Mississauga Motors Limited	1401 PLAINS RD E, BURLINGTON, ON, L7R 3P9 BURLINGTON ON L7R 3P9	153.6	21
Mississauga Motors Limited	1401 PLAINS RD E, BURLINGTON, ON, L7R 3P9 BURLINGTON ON L7R 3P9	153.6	21

RST - Retail Fuel Storage Tanks

A search of the RST database, dated 1999-May 2017 has found that there are 3 RST site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
GAS LINK SERVICES INC	MAIN 1364 PLAINS RD E BURLINGTON ON L7R 3P8	59.2	6
GASLINK TRANSPORT INC	MAIN 1364 PLAINS RD E BURLINGTON ON L7R 3P8	59.2	6
GASLINK SERVICES INC	1364 PLAINS RD E BURLINGTON ON L7R3P8	60.5	7

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
WYATT ART POTTERY	1390 LEIGHLAND RD BURLINGTON ON L7R 3S8	166.4	24
Sun Chemical Limited	1274 Plains Rd E Burlington ON L7S 1W6	186.4	27
CES Graphic Supplies Inc.	1400 Plains Rd E Burlington ON L7R 3P8	187.0	28

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2017 has found that there are 17 SPL site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
TANK TRUCK	PLAINS RD/HELENA ST. TANK TRUCK (CARGO) NOT PETROLEUM BURLINGTON CITY ON	14.8	1
Union Gas Limited	1364 Plains Road East Burlington ON	60.5	7
HAMILTON, CORP. OF THE CITY OF	1282 PLAINS RD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	82.9	10
SUN CHEMICAL LTD.	LUGGER BOX BURLINGTON CITY ON	150.3	20

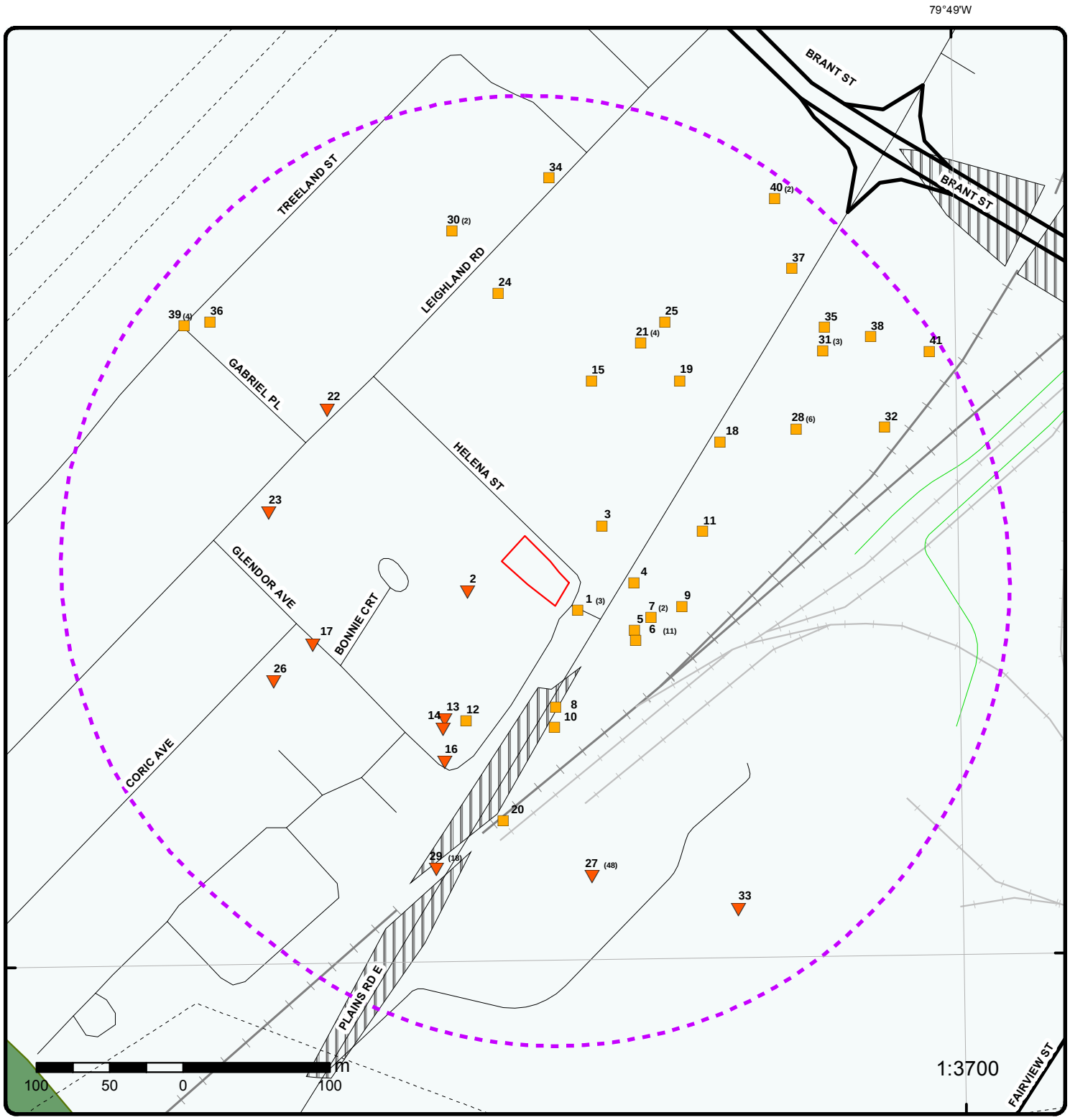
Site	Address	Distance (m)	Map Key
PRIVATE OWNER	1312 CORIC AVE. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON L7R 3S3	175.5	26
SUN CHEMICAL	1274 PLAINS RD BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	186.4	27
Union Gas Limited	1274 Plains Rd E Burlington ON	186.4	27
SUN CHEMICAL	BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	186.4	27
SUN CHEMICAL	1274 PLAINS RD E BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	186.4	27
Sun Chemical Limited	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
Sun Chemical Limited	1274 Plains Road East Burlington ON L7S 1W6	186.4	27
	1274 Plains Road Burlington ON	186.4	27
SUN CHEMICAL	1274 PLAINS ROAD EAST RAIL SIDING BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	186.4	27
SUN CHEMICAL	BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	186.4	27
SUN CHEMICAL	BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	186.4	27
TRANSPORT TRUCK	1274 PLAINS ROAD EAST. TRANSPORT TRUCK (CARGO) BURLINGTON CITY ON L7S 1W6	186.4	27
UNKNOWN	1417 PLAINS RD E BURLINGTON CITY ON L7R 3P9	257.5	37

WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31, 2017 has found that there are 7 WWIS site(s) within approximately 0.30 kilometers of the project property.

Site	Address	Distance (m)	Map Key
	ON	42.7	3
	BURLINGTON ON	69.4	8
	ON	78.5	9
	BURLIGNTON ON	97.3	11
	BURLINGTON ON	99.0	12
	BIRLINGTON ON	239.7	32

Site	Address	Distance (m)	Map Key
	ON	245.5	35



Map : 0.3 Kilometer Radius

Order No: 20170914115

Address: 1355 Plains Rd E, Burlington, ON, L7R3P7

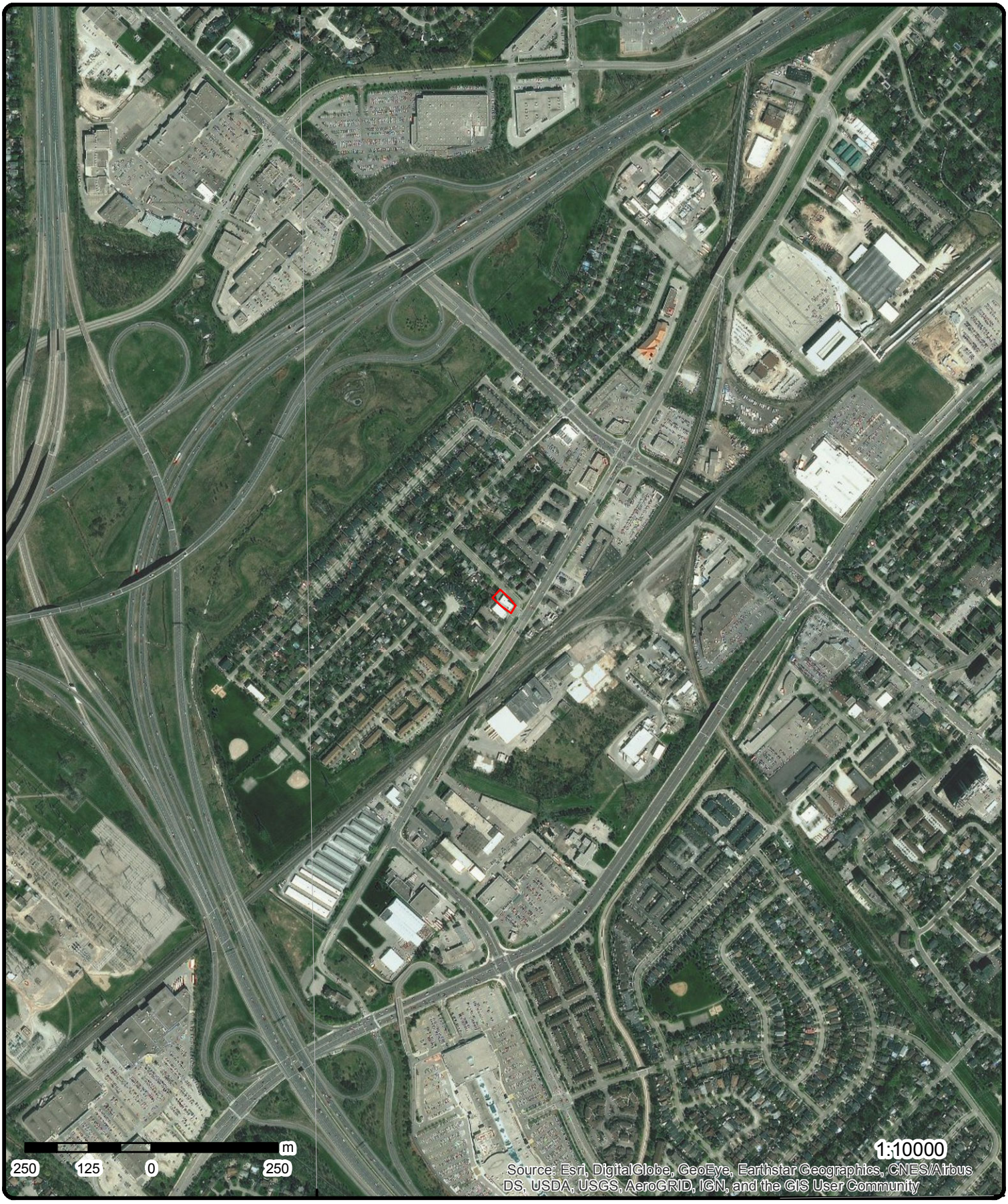
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road
- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line
- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

Source: © 2015 DMTI Spatial Inc.

© ERIS Information Limited Partnership

79°49'30"W



43°19'30"N

Aerial

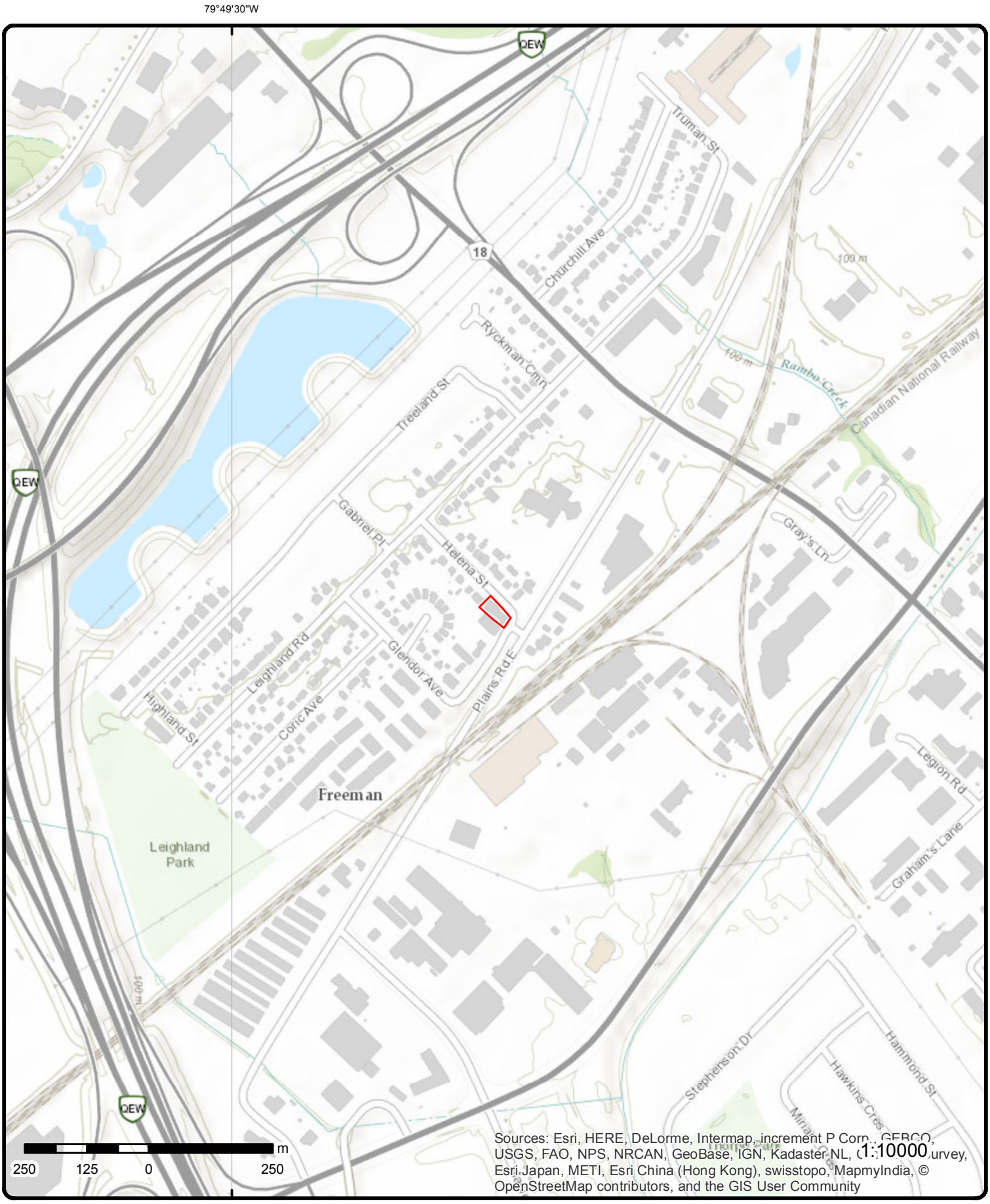
Order No: 20170914115

Address: 1355 Plains Rd E, Burlington, ON, L7R3P7

Source: ESRI World Imagery

ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership



Topographic Map

Address: 1355 Plains Rd E, Burlington, ON, L7R3P7

Source: ESRI World Topographic Map

Order No: 20170914115

ENVIRONMENTAL RISK INFORMATION SERVICES

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 3	SE/14.8	99.8	R.M. OF HALTON - LEIGHLAND RD. HELENA ST./PLAINS RD. E. BURLINGTON CITY ON	CA

Certificate #:	3-1056-92-
Application Year:	92
Issue Date:	8/25/1992
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	2 of 3	SE/14.8	99.8	R.M. OF HALTON - LEIGHLAND RD. PLAINS RD.E./HELENA ST/GLENDOR BURLINGTON CITY ON	CA

Certificate #:	7-0843-92-
Application Year:	92
Issue Date:	8/25/1992
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	3 of 3	SE/14.8	99.8	TANK TRUCK PLAINS RD/HELENA ST. TANK TRUCK (CARGO) NOT PETROLEUM BURLINGTON CITY ON	SPL

Ref No:	193907	**Site Address:**	
Contaminant Name:		**Site Conc:**	
Contaminant Code:		**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	14101
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Sector Type:**	
MOE Reported Dt:	1/26/2001	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	Land
Incident Dt:	1/26/2001	**Receiving Env:**	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE	**Environment Impact:**	Not Anticipated
Incident Event:		**Nature of Impact:**	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Incident Reason: EQUIPMENT FAILURE
Incident Summary: THERMSHELL TANK TRUCK- 20L FURNACE OIL TO RD WHEN VALVE GOT STUCK, CLEANED.
SAC Action Class:

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2 | **1 of 1** | **WSW/31.4** | **99.1** | **1335-1349 Plains Rd E, Burlington Burlington ON** | **EHS**

Postal Code:
City: Burlington
Address2:
Address1: 1335-1349 Plains Rd E, Burlington
Provstate: ON
Order No.: 20160808091
Addit. Info Ordered:: Aerial Photos
Report Date: 15-AUG-16
Report Type: RSC Report (Urban)
Search Radius (km): .3

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3 | **1 of 1** | **NE/42.7** | **99.8** | **ON** | **WWIS**

Well ID:	2800006	**Data Entry Status:**	
Construction Date:		**Data Src:**	1
Primary Water Use:	Domestic	**Date Received:**	12/15/1952
Sec. Water Use:	0	**Selected Flag:**	1
Final Well Status:	Water Supply	**Abandonment Rec:**	
Water Type:		**Contractor:**	2309
Casing Material:		**Form Version:**	1
Audit No:		**Owner:**	
Tag:		**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	BB
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	10146563	**Spatial Status:**	
DP2BR:	64	**Cluster Kind:**	
Code OB:	r	**UTMRC:**	5
Code OB Desc:	Bedrock	**UTMRC Desc:**	margin of error : 100 m - 300 m
Open Hole:		**Location Method:**	p5
Elevation:	99.587196	**Org CS:**	
Elevrc:		**Date Completed:**	11/20/1952
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931420871
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	
Formation Top Depth:	0.00
Formation End Depth:	30.00
Formation End Depth UOM:	ft

Formation ID:	931420872
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	09
Other Materials:	MEDIUM SAND
Mat3:	
Other Materials:	
Formation Top Depth:	30.00
Formation End Depth:	64.00
Formation End Depth UOM:	ft

Formation ID:	931420873
Layer:	3
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	64.00
Formation End Depth:	90.00
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	962800006
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10695133
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930249341
Layer:	1

Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	64.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930249342
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	90.00
Casing Diameter:	6.00
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	992800006
Pump Set At:	
Static Level:	55.00
Final Level After Pumping:	
Recommended Pump Depth:	
Pumping Rate:	2.00
Flowing Rate:	
Recommended Pump Rate:	
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	N

Water Details

Water ID:	933601190
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	90.00
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	*1 of 1*	*E/44.2*	*99.8*	***1368 Plains Road East Burlington ON L7R 3P8***	*EHS*

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20120511024
Addit. Info Ordered::	
Report Date:	5/18/2012 1:03:32 PM
Report Type:	Custom Report
Search Radius (km):	0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
5	*1 of 1*	*ESE/54.9*	*99.8*	***1364 Plains Rd E***	*EHS*

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
				Burlington ON L7R3P8	

Postal Code: L7R3P8
City: Burlington
Address2:
Address1: 1364 Plains Rd E
Provstate: ON
Order No.: 20160217116
Addit. Info Ordered::
Report Date: 24-FEB-16
Report Type: Standard Report
Search Radius (km): .25

6	*1 of 11*	*SE/59.2*	*99.8*	***BURLINGTON TAXI LTD*** ***1364 PLAINS RD E*** ***BURLINGTON ON***	*EXP*

Instance No: 11564004
Instance ID: 90815
Instance Type: FS Propane Tank
Description: FS Propane Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

6	*2 of 11*	*SE/59.2*	*99.8*	***BURLINGTON TAXI LTD*** ***1364 PLAINS RD E*** ***BURLINGTON ON***	*EXP*

Instance No: 9653914
Instance ID: 387991
Instance Type: FS Facility
Description: FS Propane Refill Cntr - Motor Fill
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

6	*3 of 11*	*SE/59.2*	*99.8*	***BURLINGTON TAXI LTD*** ***1364 PLAINS RD E*** ***BURLINGTON ON***	*EXP*

Instance No: 10634236
Instance ID: 31095
Instance Type: FS Propane Tank
Description: FS Propane Tank
Status: EXPIRED
TSSA Program Area:
Maximum Hazard Rank:
Facility Type:
Expired Date:

6	*4 of 11*	*SE/59.2*	*99.8*	***BURLINGTON TAXI LIMITED*** ***1364 PLAINS ROAD EAST*** ***BURLINGTON ON L7R 3P8***	*GEN*

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Generator No.: ON1166700
Status:
Approval Years: 99,00
Contam. Facility:
MHSW Facility:
SIC Code: 6351
SIC Description: GARAGES(GEN. REPAIR)

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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6 ***5 of 11*** ***SE/59.2*** ***99.8***

BURLINGTON TAXI LTD.
1364 PLAINS RD. EAST
BURLINGTON ON L7R 3P8

GEN

Generator No.: ON1166700
Status:
Approval Years: 89
Contam. Facility:
MHSW Facility:
SIC Code: 6351
SIC Description: GARAGES(GEN. REPAIR)

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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6 ***6 of 11*** ***SE/59.2*** ***99.8***

BURLINGTON TAXI LTD.
1364 PLAINS ROAD EAST
BURLINGTON ON L7R 3P8

06-368

GEN

Generator No.: ON1166700
Status:
Approval Years: 92,93,96,97,98
Contam. Facility:
MHSW Facility:
SIC Code: 6351
SIC Description: GARAGES(GEN. REPAIR)

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site		DB
6	7 of 11	SE/59.2	99.8	BURLINGTON TAXI LTD. 1364 PLAINS RD. EAST BURLINGTON ON L7R 3P8	06-368	GEN

Generator No.: ON1166700
Status:
Approval Years: 94,95
Contam. Facility:
MHSW Facility:
SIC Code: 6351
SIC Description: GARAGES(GEN. REPAIR)

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
6	8 of 11	SE/59.2	99.8	BURLING(OUT OF BUSINESS) 1364 PLAINS ROAD EAST BURLINGTON ON L7R 3P8	GEN

Generator No.: ON1166700
Status:
Approval Years: 01
Contam. Facility:
MHSW Facility:
SIC Code: 6351
SIC Description: GARAGES(GEN. REPAIR)

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
6	9 of 11	SE/59.2	99.8	BURLINGTON TAXI LTD 1364 PLAINS RD E BURLINGTON ON L7R3P8	PRT

Location ID: 2479
Type: retail
Expiry Date: 1994-09-30
Capacity (L): 2000
Licence #: 0034341001

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
6	10 of 11	SE/59.2	99.8	GASLINK TRANSPORT INC MAIN 1364 PLAINS RD E BURLINGTON ON L7R 3P8	RST

Code: 01070540
Facility: PROPANE GAS-TANKS & REFILLING
Description:
List Name:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
6	11 of 11	SE/59.2	99.8	GAS LINK SERVICES INC MAIN 1364 PLAINS RD E BURLINGTON ON L7R 3P8	RST

Code: 01070540
Facility: PROPANE GAS-TANKS & REFILLING
Description:
List Name:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	1 of 2	ESE/60.5	99.8	GASLINK SERVICES INC 1364 PLAINS RD E BURLINGTON ON L7R3P8	RST

Code: 01070510
Facility: PROPANE GAS SALES & SERVICE
Description:
List Name: INFO-DIRECT(TM) BUSINESS FILE

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
7	2 of 2	ESE/60.5	99.8	Union Gas Limited 1364 Plains Road East Burlington ON	SPL

Ref No: 1488-AD3R9W
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Code: 35
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 0 other - see incident description
MOE Reported Dt: 8/22/2016
Health/Env Conseq:
Incident Dt: 8/22/2016
Incident Cause:
Incident Event: Leak/Break
Incident Reason: Operator/Human Error
Incident Summary: TSSA: FSB 1.25" ST line strike.

Site Address: 1364 Plains Road East
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Burlington
Site Postal Code:
Sector Type: Miscellaneous Communal
Source Type:
Receiving Medium:
Receiving Env: Air
Environment Impact:
Nature of Impact:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
8	1 of 1	S/69.4	99.8	BURLINGTON ON	WWIS

Well ID: 2810057
Construction Date:
Primary Water Use:
Sec. Water Use:
Final Well Status: Observation Wells
Water Type:
Casing Material:
Audit No: Z11844
Tag: A007529
Construction Method:
Elevation (m):
Elevation Reliability:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:

Data Entry Status:
Data Src: 1
Date Received: 9/23/2004
Selected Flag: 1
Abandonment Rec:
Contractor: 6607
Form Version: 3
Owner:
Street Name: 2201 PLAINS RD E
County: HALTON
Municipality: BURLINGTON CITY
Site Info:
Lot:
Concession:
Concession Name: BB
Easting NAD83:
Northing NAD83:

Flowing (Y/N):
Flow Rate:
Clear/Cloudy:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID:	11174674	***Spatial Status:***	
DP2BR:	5	***Cluster Kind:***	
Code OB:	r	***UTMRC:***	3
Code OB Desc:	Bedrock	***UTMRC Desc:***	margin of error : 10 - 30 m
Open Hole:		***Location Method:***	wwr
Elevation:	99.958267	***Org CS:***	UTM83
Elevrc:		***Date Completed:***	4/29/2004
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	932974909
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	05
Other Materials:	CLAY
Mat3:	01
Other Materials:	FILL
Formation Top Depth:	0.00
Formation End Depth:	1.50
Formation End Depth UOM:	m

Formation ID:	932974910
Layer:	2
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	15
Other Materials:	LIMESTONE
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	1.50
Formation End Depth:	6.00
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933255917
Layer:	1
Plug From:	0.00
Plug To:	2.70
Plug Depth UOM:	m

Plug ID:	933255918
Layer:	2

Plug From:	2.70
Plug To:	6.00
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	962810057
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11183193
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930845980
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	3.00
Casing Diameter:	5.00
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933409574
Layer:	1
Slot:	10
Screen Top Depth:	3.00
Screen End Depth:	6.00
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.11

Water Details

Water ID:	934052443
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	3.00
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11308274
Diameter:	15.00
Depth From:	0.00
Depth To:	6.00
Hole Depth UOM:	m
Hole Diameter UOM:	cm

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
9	1 of 1	ESE/78.5	99.8	ON	WWIS

Well ID:	7276104	**Data Entry Status:**	Date Entry is incomplete
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	11/29/2016
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:		**Abandonment Rec:**	
Water Type:		**Contractor:**	7215
Casing Material:		**Form Version:**	8
Audit No:	C33131	**Owner:**	
Tag:	A202987	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1006298681	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	4
Code OB Desc:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	100.00325	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	4/25/2016
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	1 of 1	S/82.9	99.8	HAMILTON, CORP. OF THE CITY OF 1282 PLAINS RD. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON	SPL

Ref No:	153050	**Site Address:**	
Contaminant Name:		**Site Conc:**	
Contaminant Code:		**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	14101
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Sector Type:**	
MOE Reported Dt:	3/6/1998	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	LAND
Incident Dt:	3/6/1998	**Receiving Env:**	
Incident Cause:	UNKNOWN	**Environment Impact:**	POSSIBLE
Incident Event:		**Nature of Impact:**	Soil contamination
Incident Reason:	UNKNOWN	**SAC Action Class:**	
Incident Summary:	CITY OF HAMILTON - UNK QUAN HYDRAULIC OIL TO GRAVEL.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
11	1 of 1	ENE/97.3	99.8	BURLIGNTON ON	WWIS

Well ID:	2810666	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	12/18/2006
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	6607
Casing Material:		**Form Version:**	3
Audit No:	Z56620	**Owner:**	
Tag:	A051083	**Street Name:**	1382 PLAINS RD EAST
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	11692871	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:	o	**UTMRC:**	3
Code OB Desc:	Overburden	**UTMRC Desc:**	margin of error : 10 - 30 m
Open Hole:		**Location Method:**	wwr
Elevation:	100.017593	**Org CS:**	UTM83
Elevrc:		**Date Completed:**	10/27/2006
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933073954
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	81
Other Materials:	SANDY
Mat3:	05
Other Materials:	CLAY
Formation Top Depth:	0.00
Formation End Depth:	1.00
Formation End Depth UOM:	m

Formation ID:	933073955
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	05

Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	
Other Materials:	
Formation Top Depth:	1.00
Formation End Depth:	3.00
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933303536
Layer:	1
Plug From:	0.00
Plug To:	0.90
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	962810666
Method Construction Code:	6
Method Construction:	Boring
Other Method Construction:	

Pipe Information

Pipe ID:	11697737
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930888215
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	1.00
Casing Diameter:	5.10
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933420786
Layer:	1
Slot:	10
Screen Top Depth:	1.00
Screen End Depth:	3.00
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.40

Water Details

Water ID:	934071753
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	1.00
Water Found Depth UOM:	m

Hole Diameter

Hole ID:	11756641
Diameter:	21.00
Depth From:	0.00
Depth To:	3.00
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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12 ***1 of 1*** ***SSW/99.0*** ***99.8*** ***BURLINGTON ON*** ***WWIS***

Well ID:	7251866	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	11/10/2015
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7295
Casing Material:		**Form Version:**	7
Audit No:	Z204810	**Owner:**	
Tag:		**Street Name:**	1325 PLAINS RD. E
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1005793606	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	4
Code OB Desc:		**UTMRC Desc:**	margin of error : 30 m - 100 m
Open Hole:		**Location Method:**	wwr
Elevation:	99.411857	**Org CS:**	dms83
Elevrc:		**Date Completed:**	5/26/2015
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Annular Space/Abandonment Sealing Record

Plug ID:	1005825187
Layer:	1
Plug From:	0.00
Plug To:	28.00

Plug Depth UOM:	ft
Plug ID:	1005825186
Layer:	1
Plug From:	0.00
Plug To:	28.00
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1005825185
Method Construction Code:	
Method Construction:	
Other Method Construction:	

Pipe Information

Pipe ID:	1005825178
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1005825182
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	
Depth To:	
Casing Diameter:	1.80
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1005825183
Layer:	1
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.00

Water Details

Water ID:	1005825181
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005825180
Diameter:	
Depth From:	

Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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13 | **1 of 1** | **SSW/107.7** | **99.2** | **1325 PLAINS ROAD EAST, BURLINGTON, ON L7R 3P7**
Burlington ON | **RSC**

Reg No: 214226
RSC Type: Phase 1 RSC
Current Property Use: Commercial
District Office: Halton-Peel District Office
Date Submitted: 2014/07/24
Date Ack:
Date Returned:
Cert Date:
Cert Prop Use No:
Restoration Type:
Soil Type:
Criteria:
CPU Issued Sect 1686:
Entire legal prop. (Y/N):
Applicable Standards:
Consultant:
Filing Owner: HABITAT FOR HUMANITY HALTON
Legal Desc:
Measurement Method:
Latitude & Latitude:
UTM Coordinates:

Prop. ID No: 07081-0234 (LT)
Asmt Roll No: 2402020207094000000
Intended Prop Use: Residential
Nm of Qual. Person: JOHN MONKMAN
Stratified (Y/N):
Audit (Y/N):
Accuracy Estimate:
Mailing Address:
Telephone:
Fax:
Email:

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14 | **1 of 1** | **SSW/113.0** | **98.8** | **1325 Plains Rd E**
Burlington ON | **EHS**

Postal Code:
City:
Address2:
Address1:
Provstate:
Order No.: 20131219006
Addit. Info Ordered::
Report Date: 02-JAN-14
Report Type: RSC Report (Rural)
Search Radius (km): .3

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15 | **1 of 1** | **NNE/115.1** | **99.8** | **ON** | **BORE**

Borehole ID: 621548
Use: Geotechnical/Geological Investigation
Drill Method:: Power auger
Easting:: 595675
Location Accuracy::
Elev. Reliability Note::
Total Depth m:: -999
Township::
Lot::
Completion Date:: MAR-1965
Primary Water Use:: Not Used

Type: Borehole
Status::
UTM Zone:: 17
Northing:: 4798903
Orig. Ground Elev m:: 100
DEM Ground Elev m:: 99.9
Primary Name::
Concession::
Municipality:
Static Water Level:: -999.9
Sec. Water Use::

--Details--
Stratum ID: 218421436

Top Depth(m): 4.4

Bottom Depth(m):		**Stratum Desc:**	SAND. 0000801400030060
Stratum ID:	218421433	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218421434	**Top Depth(m):**	0.2
Bottom Depth(m):	0.9	**Stratum Desc:**	SAND-FINE TO MEDIUM,SILT. BROWN,AGE GLACIAL.
Stratum ID:	218421435	**Top Depth(m):**	0.9
Bottom Depth(m):	4.4	**Stratum Desc:**	TILL,SAND,CLAY, GRAVEL. BROWN,GLACIAL,HARD, AGE GLACIAL.

---

16 ***1 of 1*** ***SSW/130.5*** ***99.3*** ***ON*** ***BORE***

Borehole ID:	621051	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	595575	**Northing::**	4798643
Location Accuracy::		**Orig. Ground Elev m::**	98.5
Elev. Reliability Note::		**DEM Ground Elev m::**	99.3
Total Depth m::	6.2	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	SEP-1965	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419589	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218419590	**Top Depth(m):**	0.2
Bottom Depth(m):	0.9	**Stratum Desc:**	SAND,SILT,CLAY. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218419591	**Top Depth(m):**	0.9
Bottom Depth(m):	6.2	**Stratum Desc:**	TILL,CLAY,SILT,SAND.BROWN,GLACIAL,HARD, AGE GLACIAL. 012 0000500700030072T,GRA

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17 ***1 of 1*** ***WSW/140.5*** ***98.8*** ***ON*** ***BORE***

Borehole ID:	621052	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	595485	**Northing::**	4798723
Location Accuracy::		**Orig. Ground Elev m::**	98.6
Elev. Reliability Note::		**DEM Ground Elev m::**	98.6
Total Depth m::	5.9	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	SEP-1965	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419592	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. MAN-MADE,AGE POST-GLACIAL.
Stratum ID:	218419593	**Top Depth(m):**	0.2

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Bottom Depth(m):	1.4	**Stratum Desc:**	FILL,SILT,CLAY,SAND.BROWN,MAN-MADE,VERY SOFT, AGE POST-GLACIAL.
Stratum ID:	218419594	**Top Depth(m):**	1.4
Bottom Depth(m):	5.6	**Stratum Desc:**	TILL,CLAY,SILT,SAND.BROWN,GLACIAL,HARD, AGE GLACIAL.
Stratum ID:	218419595	**Top Depth(m):**	5.6
Bottom Depth(m):	5.9	**Stratum Desc:**	TILL,SILT,SAND, GRAVEL. BROWN,GLACIAL,HARD, AGE GLACIAL. 010 00005018000450710018510000

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18 *1 of 1* *NE/140.6* *99.8* ***1390-1400 Plains Rd E Burlington ON L7R 3P8*** ***EHS***

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20060317001
Addit. Info Ordered::	
Report Date:	3/27/2006
Report Type:	Complete Report
Search Radius (km):	0.25

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19 *1 of 1* *NE/149.5* *99.8* ***ON*** ***BORE***

Borehole ID:	621546	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	595735	**Northing::**	4798903
Location Accuracy::		**Orig. Ground Elev m::**	100
Elev. Reliability Note::		**DEM Ground Elev m::**	100
Total Depth m::	4.5	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1965	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218421427	**Top Depth(m):**	0.0
Bottom Depth(m):	0.6	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218421428	**Top Depth(m):**	0.6
Bottom Depth(m):	0.8	**Stratum Desc:**	SAND. BROWN,AGE GLACIAL.
Stratum ID:	218421429	**Top Depth(m):**	0.8
Bottom Depth(m):	4.5	**Stratum Desc:**	TILL,SAND,SILT, STONES. BROWN,GLACIAL,HARD, AGE GLACIAL. 00025050SAND.BRO

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20 *1 of 1* *S/150.3* *99.8* ***SUN CHEMICAL LTD. LUGGER BOX BURLINGTON CITY ON*** ***SPL***

Ref No:	125106	**Site Address:**	
Contaminant Name:		**Site Conc:**	
Contaminant Code:		**Site Lot:**	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	14101
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Sector Type:**	
MOE Reported Dt:	4/17/1996	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	LAND
Incident Dt:	4/17/1996	**Receiving Env:**	
Incident Cause:	OTHER CAUSE (N.O.S.)	**Environment Impact:**	POSSIBLE
Incident Event:		**Nature of Impact:**	Soil contamination
Incident Reason:	FIRE/EXPLOSION	**SAC Action Class:**	
Incident Summary:	SUN CHEMICAL - FIRE AT PLANT, OIL RUNOFF WATER TO GROUND, CONTAINED.		

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21 **1 of 4** **NNE/153.6** **99.8** **1401 Plains Road East** **Burlington ON L7R 3P9** **EHS**

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20070126016
Addit. Info Ordered::	
Report Date:	2/6/2007
Report Type:	CAN - Basic Report
Search Radius (km):	0.25

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21 **2 of 4** **NNE/153.6** **99.8** **Holland Chev Olds** **1401 Plains Road East** **Burlington ON L7R 3P9** **GEN**

Generator No.:	ON2740338	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	07,08	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	531310		
SIC Description:	Real Estate Property Managers		

--Details--

Waste Code:	221
Waste Description:	LIGHT FUELS

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21 **3 of 4** **NNE/153.6** **99.8** **Mississauga Motors Limited** **1401 PLAINS RD E, BURLINGTON, ON, L7R 3P9** **BURLINGTON ON L7R 3P9** **RSC**

Reg No:	45717	**Prop. ID No:**	07081-0247 (LT)
RSC Type:		**Asmt Roll No:**	2.40202E+14
Current Property Use:	Commercial	**Intended Prop Use:**	Residential
District Office:	BURLINGTON	**Nm of Qual. Person:**	David W. Holland
Date Submitted:	23-Oct-08	**Stratified (Y/N):**	
Date Ack:		**Audit (Y/N):**	
Date Returned:		**Accuracy Estimate:**	6 to 10 meters
Cert Date:	27-May-08	**Mailing Address:**	Suite 1, 360 REVUS RD, MISSISSAUGA, ON, L5G 4S4
Cert Prop Use No:	No CPU	**Telephone:**	905-2782886
Restoration Type:		**Fax:**	905-2782885
Soil Type:		**Email:**	hollandholdings@bellnet.ca

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Criteria:	
CPU Issued Sect 1686:	No
Entire legal prop. (Y/N):	Yes
Applicable Standards:	Stratified Site Conditions Standard, with Nonpotable Ground Water, Medium/Fine Textured Soil, for Residential/Parkland/Institutional property use
Consultant:	
Filing Owner:	
Legal Desc:	Part Lot 15, RCP Plan 99, as in 175832, 177986 & 180366 except Parts 2, 3 & 4, Plan 1309; Burlington
Measurement Method:	Global Positioning System
Latitude & Latitude:	43.33705230N 79.81914720W (converted from UTM)
UTM Coordinates:	NAD83 17-595722-4798922

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21 | ***4 of 4*** | ***NNE/153.6*** | ***99.8*** | ***Mississauga Motors Limited*** | ***RSC***
1401 PLAINS RD E, BURLINGTON, ON, L7R 3P9
BURLINGTON ON L7R 3P9

Reg No:	58115	**Prop. ID No:**	07081-0247 (LT)
RSC Type:		**Asmt Roll No:**	2.40202E+18
Current Property Use:	Commercial	**Intended Prop Use:**	Residential
District Office:	BURLINGTON	**Nm of Qual. Person:**	David W. Holland
Date Submitted:	30-Jul-09	**Stratified (Y/N):**	
Date Ack:		**Audit (Y/N):**	
Date Returned:		**Accuracy Estimate:**	6 to 10 meters
Cert Date:	15-Jul-09	**Mailing Address:**	Suite 1, 360 REVUS RD, MISSISSAUGA, ON, L5G 4S4
Cert Prop Use No:	No CPU	**Telephone:**	905-2782886
Restoration Type:		**Fax:**	905-2782885
Soil Type:		**Email:**	hollandholdings@bellnet.ca
Criteria:			
CPU Issued Sect 1686:	No		
Entire legal prop. (Y/N):	Yes		
Applicable Standards:	Stratified Site Conditions Standard, with Nonpotable Ground Water, Medium/Fine Textured Soil, for Residential/Parkland/Institutional property use		
Consultant:			
Filing Owner:			
Legal Desc:	Part Lot 15, RCP Plan 99, as in 175832, 177986 & 180366 except Parts 2, 3 & 4, Plan 1309; Burlington		
Measurement Method:	Global Positioning System		
Latitude & Latitude:	43.33705230N 79.81914720W (converted from UTM)		
UTM Coordinates:	NAD83 17-595722-4798922		

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22 | ***1 of 1*** | ***NW/156.9*** | ***98.8*** | ***ON*** | ***BORE***

Borehole ID:	621054	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	595495	**Northing::**	4798883
Location Accuracy::		**Orig. Ground Elev m::**	99.2
Elev. Reliability Note::		**DEM Ground Elev m::**	99.3
Total Depth m::	5.7	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	SEP-1965	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419600	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218419601	**Top Depth(m):**	0.3
Bottom Depth(m):	4.6	**Stratum Desc:**	TILL,CLAY,SILT,SAND.BROWN,GLACIAL,HARD, AGE GLACIAL.

Stratum ID: 218419602 **Top Depth(m):** 4.6
Bottom Depth(m): 5.7 **Stratum Desc:** TILL,SILT,SAND, GRAVEL. BROWN,GLACIAL,HARD, AGE GLACIAL. 0001009800150100000043,SAND, G

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23 **1 of 1** **WNW/161.8** **98.8** **ON** **BORE**

Borehole ID: 621053 **Type:** Borehole
Use: Geotechnical/Geological Investigation **Status::**
Drill Method:: Power auger **UTM Zone::** 17
Easting:: 595455 **Northing::** 4798813
Location Accuracy:: **Orig. Ground Elev m::** 99.6
Elev. Reliability Note:: **DEM Ground Elev m::** 99.2
Total Depth m:: 5.9 **Primary Name::**
Township:: **Concession::**
Lot:: **Municipality:**
Completion Date:: SEP-1965 **Static Water Level::** -999.9
Primary Water Use:: Not Used **Sec. Water Use::**

--Details--

Stratum ID: 218419596 **Top Depth(m):** 0.0
Bottom Depth(m): 0.3 **Stratum Desc:** ASPHALT. MAN-MADE,AGE POST-GLACIAL.

Stratum ID: 218419597 **Top Depth(m):** 0.3
Bottom Depth(m): 0.9 **Stratum Desc:** FILL,SILT,CLAY,SAND.BROWN,MAN-MADE,STIFF, AGE POST-GLACIAL.

Stratum ID: 218419598 **Top Depth(m):** 0.9
Bottom Depth(m): 5.3 **Stratum Desc:** TILL,CLAY,SILT,SAND.BROWN,GLACIAL,HARD, AGE GLACIAL.

Stratum ID: 218419599 **Top Depth(m):** 5.3
Bottom Depth(m): 5.9 **Stratum Desc:** TILL,SILT,SAND, GRAVEL. BROWN,GLACIAL,HARD, AGE GLACIAL. 010 00010014000300710017510000

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24 **1 of 1** **N/166.4** **99.8** **WYATT ART POTTERY**
1390 LEIGHLAND RD
BURLINGTON ON L7R 3S8 **SCT**

Established: 1948
Plant Size (ft²): 4000
Employment: 2

--Details--

Description: POTTERY PRODUCTS, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 3269

Description: HOMEFURNISHINGS
SIC/NAICS Code: 5023

Description: NONDURABLE GOODS, NOT ELSEWHERE CLASSIFIED
SIC/NAICS Code: 5199

Description: Pottery, Ceramics and Plumbing Fixture Manufacturing
SIC/NAICS Code: 327110

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
25	1 of 1	NNE/174.3	99.8	ON	BORE

Borehole ID:	621547	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	595725	**Northing::**	4798943
Location Accuracy::		**Orig. Ground Elev m::**	100
Elev. Reliability Note::		**DEM Ground Elev m::**	100
Total Depth m::	4.5	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	MAR-1965	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218421430	**Top Depth(m):**	0.0
Bottom Depth(m):	0.2	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218421431	**Top Depth(m):**	0.2
Bottom Depth(m):	1.2	**Stratum Desc:**	SAND-FINE TO MEDIUM,SILT. BROWN,LOOSE,AGE GLACIAL.
Stratum ID:	218421432	**Top Depth(m):**	1.2
Bottom Depth(m):	4.5	**Stratum Desc:**	TILL,SAND,GRAVEL, CLAY. BROWN,GLACIAL,HARD, AGE GLACIAL. 0000700900040052

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
26	1 of 1	WSW/175.5	98.8	PRIVATE OWNER 1312 CORIC AVE. MOTOR VEHICLE (OPERATING FLUID) BURLINGTON CITY ON L7R 3S3	SPL

Ref No:	119224	**Site Address:**	
Contaminant Name:		**Site Conc:**	
Contaminant Code:		**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	14101
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Sector Type:**	
MOE Reported Dt:	10/2/1995	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	WATER
Incident Dt:	10/1/1995	**Receiving Env:**	
Incident Cause:	OTHER CAUSE (N.O.S.)	**Environment Impact:**	POSSIBLE
Incident Event:		**Nature of Impact:**	Water course or lake
Incident Reason:	INTENTIONAL/PLANNED	**SAC Action Class:**	
Incident Summary:	PRIVATE OWNER-USED MOTOR OIL DUMPED INTO CATCH BA-SIN, CLEANED BY WORKS.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	1 of 48	S/186.4	99.2	1274 Plains Road East Burlington ON L7S 1W6	CA

Certificate #:	0685-588HSP
Application Year:	02
Issue Date:	5/14/02
Approval Type:	Industrial air
Status:	Revoked and/or Replaced
Application Type:	Amended CofA
Client Name::	Sun Chemical Limited
Client Address::	1274 Plains Road East
Client City::	Burlington

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Client Postal Code:: L7S 3Z1
Project Description:: Minor Amendment to 0564-4R5SFL
Contaminants::
Emission Control::

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27 | ***2 of 48*** | ***S/186.4*** | ***99.2*** | ***REICHHOLD LIMITED 1274 PLAINS ROAD EAST BURLINGTON CITY ON L7S 1W6*** | ***CA***

Certificate #: 4-0076-91-
Application Year: 91
Issue Date: 2/19/1992
Approval Type: Industrial wastewater
Status: Approved in 1992
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: STORM SEWER EXTENSION
Contaminants::
Emission Control::

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27 | ***3 of 48*** | ***S/186.4*** | ***99.2*** | ***1274 Plains Road East Burlington ON L7S 1W6*** | ***CA***

Certificate #: 6714-5E2P58
Application Year: 02
Issue Date: 9/23/02
Approval Type: Industrial air
Status: Approved
Application Type: Amended CofA
Client Name:: Sun Chemical Limited
Client Address:: 1274 Plains Road East
Client City:: Burlington
Client Postal Code:: L7S 3Z1
Project Description:: This amended certificate of approval is being issued to correct minor typographical errors.
Contaminants::
Emission Control::

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27 | ***4 of 48*** | ***S/186.4*** | ***99.2*** | ***1274 Plains Road East Burlington ON L7S 1W6*** | ***CA***

Certificate #: 0564-4R5SFL
Application Year: 01
Issue Date: 11/30/01
Approval Type: Industrial air
Status: Approved
Application Type: Notice
Client Name:: Sun Chemical Limited
Client Address:: 1274 Plains Road East
Client City:: Burlington
Client Postal Code:: L7S 3Z1
Project Description:: Sun Chemical Limited plans to install a new storage tank to receive and dispense a wax-oil solution and a new system to transport carbon black from railcars into process tanks. This application addresses emissions from these two systems: one vent (serving the wax-oil storage tank) which will be connected to the Oil Scrubbing System, and the exhaust from the new carbon black handling system that will replace the current carbon black silos. The company manufactures ink products.
Contaminants::
Emission Control::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	5 of 48	S/186.4	99.2	SUN CHEMICAL LIMITED 1274 PLAINS ROAD EAST BURLINGTON CITY ON L7S 1W6	CA

Certificate #: 8-3589-96-
Application Year: 96
Issue Date: 4/11/1997
Approval Type: Industrial air
Status:
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: FUME SCRUBBER FOR PRODUCTION TANK
Contaminants:: Other Organic Compounds
Emission Control:: Other Wet Collector,

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	6 of 48	S/186.4	99.2	1274 Plains Road East Burlington ON L7S 1W6	CA

Certificate #: 0564-4R5SFL
Application Year: 02
Issue Date: 5/14/02
Approval Type: Industrial air
Status: Revoked and/or Replaced
Application Type: New Certificate of Approval
Client Name:: Sun Chemical Limited
Client Address:: 1274 Plains Road East
Client City:: Burlington
Client Postal Code:: L7S 3Z1
Project Description:: Installation of a new oil-based scrubber to remove traces of oil vapours from ink mixer, varnish mixer and varnish storage tank exhaust streams. The emission rates of these oils will result in concentrations at points of impingement that comply with limits set by the Ministry of the Environment.
Contaminants::
Emission Control::

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	7 of 48	S/186.4	99.2	Sun Chemical Limited 1274 Plains Road East City of Burlington ON L7S 1W6	EBR

Company Name:
Year: 2000
Notice Type: Instrument
EBR Registry No.: IA00E1432
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date:
Ministry Ref. No.:
Location: 1274 Plains Road East,Burlington, Ontario, L7S 3Z1City of Burlington
Proponent Address: Sun Chemical Limited1274 Plains Road East,Burlington, Ontario, L7S 3Z1
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	8 of 48	S/186.4	99.2	Sun Chemical Limited 1274 Plains Road East Burlington ON L7S 1W6	EBR

Company Name:
Year: 2001
Notice Type: Instrument

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

EBR Registry No.: IA01E0863
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 6/18/01
Ministry Ref. No.:
Location: 1274 Plains Road East,Burlington, Ontario, L7S 3Z1Burlington
Proponent Address: Sun Chemical Limited1274 Plains Road East,Burlington, Ontario, L7S 3Z1
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	9 of 48	S/186.4	99.2	**Sun Chemical Limited** **1274 PLAINS ROAD EAST** **City of Burlington ON L7S 1W6**	EBR

Company Name:
Year: 1997
Notice Type: Instrument
EBR Registry No.: IA7E0013
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: 1/9/97
Ministry Ref. No.:
Location: City of Burlington
Proponent Address: Sun Chemical Limited1274 Plains Road East,Burlington, Ontario, L7S 1W6
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	10 of 48	S/186.4	99.2	**Sun Chemical Limited** **1274 Plains Rd East** **Burlington ON L7S 1W6**	EBR

Company Name:
Year: 2010
Notice Type: Instrument Proposal
EBR Registry No.: 011-0507
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Proposal Date: July 05, 2010
Ministry Ref. No.: 5791-86HPUG
Location: 1274 Plains Road East Burlington, Regional Municipality Of Halton L7S 1W6
Proponent Address: 1274 Plains Road East Burlington Ontario Canada L7S 3Z1
Notice Date:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	11 of 48	S/186.4	99.2	**Sun Chemical Limited** **1274 Plains Rd E** **Burlington ON L7S 1W6**	ECA

Approval No: 1946-8DWSMN
Project Type: Air/Noise
Date: 12/20/2012
Status: Approved
Longitude:
Latitude:
Record Type:
PDF URL:
Full Address:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	12 of 48	S/186.4	99.2	**1274 Plains Road East** **Burlington ON L7S 1W6**	EHS

Postal Code:
City:
Address2:
Address1:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Provstate:
Order No.: 20050627024
Addit. Info Ordered::
Report Date: 7/7/2005
Report Type:
Search Radius (km): 0.25

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27 **13 of 48** **S/186.4** **99.2** **CAN--INK (ON0086701/SEE&USE GENERAL)** **GEN**
1274 PLAINS RD. E.
BURLINGTON ON L7S 1W6

Generator No.: ON0044401
Status:
Approval Years: 92,93
Contam. Facility:
MHSW Facility:
SIC Code: 0009
SIC Description: *** ERROR RECORD ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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27 **14 of 48** **S/186.4** **99.2** **GENERAL PR(SEE & USE ON1386703) 16-011** **GEN**
1274 PLAINS RD. E.
BURLINGTON ON L7S 1W6

Generator No.: ON0086701
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 3791
SIC Description: PRINTING INK IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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27 **15 of 48** **S/186.4** **99.2** **MAY & BAKER CANADA INC (OUT OF BUSINESS)** **GEN**
1274 PLAINS ROAD EAST
BURLINGTON ON L7S 1W6

Generator No.: ON0048001
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 3721
SIC Description: CHEM. FETILIZER IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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27 **16 of 48** **S/186.4** **99.2** **MAY & BAKER CANADA INC.** **GEN**
1274 PLAINS ROAD, EAST
BURLINGTON ON L7S 1W6

Generator No.: ON0048001
Status:
Approval Years: 86,87

PO Box No.:
Country:
Choice of Contact:

Contam. Facility: ***Co Admin:***
MHSW Facility: ***Phone No. Admin:***
SIC Code: 3721
SIC Description: CHEM. FETILIZER IND.

--Details--
Waste Code: 147
Waste Description: CHEMICAL FERTILIZER WASTES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 269
Waste Description: NON-HALOGENATED PESTICIDES

27	***17 of 48***	***S/186.4***	***99.2***	***CANADA PRINTING INK DIV. OF REICHHOLD LIMITED 1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6***	***GEN***

Generator No.: ON0018303
Status:
Approval Years: 86,87,88
Contam. Facility:
MHSW Facility:
SIC Code: 3731
SIC Description: PLASTIC & SYN. RESIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 232
Waste Description: POLYMERIC RESINS

27	***18 of 48***	***S/186.4***	***99.2***	***GENERAL PR(SEE & USE ON1386703) 1274 PLAINS RD. E. BURLINGTON ON L7S 1W6***	***GEN***

Generator No.: ON0086701
Status:
Approval Years: 98
Contam. Facility:
MHSW Facility:
SIC Code: 3791
SIC Description: PRINTING INK IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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27 **19 of 48** **S/186.4** **99.2** **SUN CHEMICAL CORPORATION LIMITED** **GEN**
1274 PLAINS ROAD EAST
BURLINGTON ON L7S 1W6

Generator No.: ON1386703
Status:
Approval Years: 99,00,01,02
Contam. Facility:
MHSW Facility:
SIC Code: 3791
SIC Description: PRINTING INK IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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27 **20 of 48** **S/186.4** **99.2** **REICHHOLD CHEMICALS** **GEN**
1274 Plains Road
Burlington ON L7S 1W6

Generator No.: ON7690996
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 325320
SIC Description:

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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27 **21 of 48** **S/186.4** **99.2** **REICHHOLD LIMITED** **GEN**
1274 PLAINS ROAD EAST
BURLINGTON ON L7S 1W6

Generator No.: ON0018305
Status:
Approval Years: 98,99,00,01
Contam. Facility:
MHSW Facility:
SIC Code: 3731
SIC Description: PLASTIC & SYN. RESIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

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27 **22 of 48** **S/186.4** **99.2** ***MAY & BAKER CANADA INC(OUT OF BUS)*** ***GEN***
1274 PLAINS ROAD, EAST
BURLINGTON ON L7S 1W6

Generator No.: ON0048001
Status:
Approval Years: 88,89,90
Contam. Facility:
MHSW Facility:
SIC Code: 3721
SIC Description: CHEM. FETILIZER IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 147
Waste Description: CHEMICAL FERTILIZER WASTES

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 269
Waste Description: NON-HALOGENATED PESTICIDES

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27 **23 of 48** **S/186.4** **99.2** ***SUN CHEMICAL LIMITED*** ***GEN***
1274 Plains Rd. East
Burlington ON

Generator No.: ON1386703
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 325910
SIC Description: Printing Ink Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

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27 | 24 of 48 | S/186.4 | 99.2 | NIAGARA CHEMICAL
1274 PLAINS RD.
BURLINGTON ON L7R 3Z1 | GEN

Generator No.: ON0226100
Status:
Approval Years: 86,87,88,89,90,92,93,94
Contam. Facility:
MHSW Facility:
SIC Code: 0000
SIC Description: *** NOT DEFINED ***

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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27 | 25 of 48 | S/186.4 | 99.2 | MAY & BAKER CANADA INC(OUT OF BUS)25-091
1274 PLAINS ROAD, EAST
BURLINGTON ON L7S 1W6 | GEN

Generator No.: ON0048001
Status:
Approval Years: 92,93,94,95,96,97
Contam. Facility:
MHSW Facility:
SIC Code: 3721
SIC Description: CHEM. FETILIZER IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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27 | 26 of 48 | S/186.4 | 99.2 | SUN CHEMICAL LIMITED
1274 PLAINS ROAD EAST
BURLINGTON ON L7S 1W6 | GEN

Generator No.: ON1386703
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 325910
SIC Description: Printing Ink Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

27	27 of 48	S/186.4	99.2	GENERAL PRINTING INK CORP 1274 PLAINS RD. E. BURLINGTON ON L7S 1W6	GEN

Generator No.: ON0086701
Status:
Approval Years: 86,87,88,89
Contam. Facility:
MHSW Facility:
SIC Code: 3791
SIC Description: PRINTING INK IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

27	28 of 48	S/186.4	99.2	SUN CHEMICAL LIMITED 1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	GEN

Generator No.: ON1386703
Status:
Approval Years: 2009
Contam. Facility:
MHSW Facility:
SIC Code: 325910
SIC Description: Printing Ink Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

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27 | **29 of 48** | **S/186.4** | **99.2** | **REICHHOLD LTD.**
1274 PLAINS ROAD EAST, BURLINGTON C/O 4
ROBERT SPECK PKWY SUITE 700
MISSISSAUGA ON L7S 1W6 | **GEN**

Generator No.: ON0018305
Status:
Approval Years: 90
Contam. Facility:
MHSW Facility:
SIC Code: 3731
SIC Description: PLASTIC & SYN. RESIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

---

27 | **30 of 48** | **S/186.4** | **99.2** | **REICHHOLD CHEMICALS**
1274 Plains Road
Burlington ON L7S 1W6 | **GEN**

Generator No.: ON7690996
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 325320
SIC Description: Pesticide and Other Agricultural Chemical Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

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27 | **31 of 48** | **S/186.4** | **99.2** | **REICHHOLD LTD.** **33-681**
1274 PLAINS ROAD EAST, BURLINGTON C/O 4
ROBERT SPECK PKWY SUITE 700
MISSISSAUGA ON L7S 1W6 | **GEN**

Generator No.: ON0018305
Status:
Approval Years: 94,95,96
Contam. Facility:
MHSW Facility:
SIC Code: 3731
SIC Description: PLASTIC & SYN. RESIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

---

27 **32 of 48** **S/186.4** **99.2** **SUN CHEMICAL LIMITED** **GEN**
1274 PLAINS ROAD EAST
BURLINGTON ON

Generator No.: ON1386703
Status:
Approval Years: 03,04,05,06,07,08
Contam. Facility:
MHSW Facility:
SIC Code: 325910
SIC Description: Printing Ink Mfg.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

---

27 **33 of 48** **S/186.4** **99.2** **SUN CHEMICAL LIMITED** **GEN**
1274 PLAINS ROAD EAST
BURLINGTON ON L7S 1W6

Generator No.: ON1386703
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 325910
SIC Description: Printing Ink Manufacturing

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

27	34 of 48	S/186.4	99.2	SUN CHEMICAL CORP. LIMITED 1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	GEN

Generator No.: ON1386703
Status:
Approval Years: 94,95
Contam. Facility:
MHSW Facility:
SIC Code: 3791
SIC Description: PRINTING INK IND.

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

27	35 of 48	S/186.4	99.2	REICHHOLD LTD. 1274 PLAINS ROAD EAST, BURLINGTON BURLINGTON ON L7S 1W6	GEN

Generator No.: ON0018305
Status:
Approval Years: 92,93,97
Contam. Facility:
MHSW Facility:
SIC Code: 3731
SIC Description: PLASTIC & SYN. RESIN

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 242
Waste Description: HALOGENATED PESTICIDES

27	36 of 48	S/186.4	99.2	SUN CHEMICAL CORP LIMITED 1274 PLAINS ROAD EAST BURLINGTON ON L7S 1W6	GEN

Generator No.: ON1386703

PO Box No.:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Status: | **Country:**
Approval Years: 93,96,97,98 | **Choice of Contact:**
Contam. Facility: | **Co Admin:**
MHSW Facility: | **Phone No. Admin:**
SIC Code: 3791
SIC Description: PRINTING INK IND.

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

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27 | **37 of 48** | **S/186.4** | **99.2** | **Sun Chemical Limited**
1274 Plains Rd E
Burlington ON L7S 1W6 | **SCT**

Established: 01-JUL-34
Plant Size (ft²): 96000
Employment:

--Details--
Description: Printing Ink Manufacturing
SIC/NAICS Code: 325910

Description: Printing Ink Manufacturing
SIC/NAICS Code: 325910

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27 | **38 of 48** | **S/186.4** | **99.2** | **Union Gas Limited**
1274 Plains Rd E
Burlington ON | **SPL**

Ref No: 3518-988NUX
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Code: 35
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 0 No Set Limit
MOE Reported Dt: 31-MAY-13
Health/Env Conseq:
Incident Dt: 31-MAY-13
Incident Cause: Leak/Break
Incident Event:
Incident Reason: Operator/Human Error
Incident Summary: TSSA- 8`` IP line strike. no evacs.

Site Address: 1274 Plains Rd E
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Burlington
Site Postal Code:
Sector Type: Pipeline/Components
Source Type:
Receiving Medium:
Receiving Env:
Environment Impact: Confirmed
Nature of Impact: Air Pollution
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill

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27 | **39 of 48** | **S/186.4** | **99.2** | **SUN CHEMICAL**
BURLINGTON PLANT **1274**
PLAINS RD. EAST
BURLINGTON CITY ON L7S 1W6 | **SPL**

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Ref No:	164643	**Site Address:**		
Contaminant Name:		**Site Conc:**		
Contaminant Code:		**Site Lot:**		
Contaminant Limit 1:		**Site County/District:**		
Contam. Limit Freq 1:		**Site Municipality:**	14101	
Contaminant UN No 1:		**Site Postal Code:**		
Contaminant Qty:		**Sector Type:**		
MOE Reported Dt:	2/14/1999	**Source Type:**		
Health/Env Conseq:		**Receiving Medium:**	LAND	
Incident Dt:	2/14/1999	**Receiving Env:**		
Incident Cause:	PIPE/HOSE LEAK	**Environment Impact:**	POSSIBLE	
Incident Event:		**Nature of Impact:**	Soil contamination	
Incident Reason:	MATERIAL FAILURE	**SAC Action Class:**		
Incident Summary:	SUN CHEMICAL- SPILL OF DRY CARBON BLACK TO GRD WHEN A HOSE BROKE.CLEANED			

27	40 of 48	S/186.4	99.2	**SUN CHEMICAL** **1274 PLAINS RD E BURLINGTON PLANT** **1274 PLAINS RD. EAST** **BURLINGTON CITY ON L7S 1W6**	SPL

Ref No:	218349	**Site Address:**		
Contaminant Name:		**Site Conc:**		
Contaminant Code:		**Site Lot:**		
Contaminant Limit 1:		**Site County/District:**		
Contam. Limit Freq 1:		**Site Municipality:**	14101	
Contaminant UN No 1:		**Site Postal Code:**		
Contaminant Qty:		**Sector Type:**		
MOE Reported Dt:	12/15/2001	**Source Type:**		
Health/Env Conseq:		**Receiving Medium:**	Land	
Incident Dt:	12/15/2001	**Receiving Env:**		
Incident Cause:	UNKNOWN	**Environment Impact:**	Not Anticipated	
Incident Event:		**Nature of Impact:**	Other	
Incident Reason:	UNKNOWN	**SAC Action Class:**		
Incident Summary:	SUN CHEMICAL: 180 KILO. OIL/VARNISH TO SPILL PAD.			

27	41 of 48	S/186.4	99.2	**Sun Chemical Limited** **1274 Plains Road East** **Burlington ON L7S 1W6**	SPL

Ref No:	6622-62EPJV	**Site Address:**		
Contaminant Name:	SCRUBBER WATER (N.O.S.)	**Site Conc:**		
Contaminant Code:	41	**Site Lot:**		
Contaminant Limit 1:		**Site County/District:**		
Contam. Limit Freq 1:		**Site Municipality:**	Burlington	
Contaminant UN No 1:		**Site Postal Code:**		
Contaminant Qty:	500 L	**Sector Type:**	Other Plant	
MOE Reported Dt:	6/29/2004	**Source Type:**		
Health/Env Conseq:		**Receiving Medium:**	Water	
Incident Dt:	6/29/2004	**Receiving Env:**		
Incident Cause:	Discharge Or Bypass To A Watercourse	**Environment Impact:**	Possible	
Incident Event:		**Nature of Impact:**	Surface Water Pollution	
Incident Reason:		**SAC Action Class:**	Spill to Inland Watercourses	
Incident Summary:	Sun Chemical, 500 gallons scrubber to creek			

27	42 of 48	S/186.4	99.2	**Sun Chemical Limited** **1274 Plains Road East** **Burlington ON L7S 1W6**	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Ref No:	3688-5NV6T5			**Site Address:**	
Contaminant Name:	PETROLEUM OIL (N.O.S.)			**Site Conc:**	
Contaminant Code:	15			**Site Lot:**	
Contaminant Limit 1:				**Site County/District:**	
Contam. Limit Freq 1:				**Site Municipality:**	Burlington
Contaminant UN No 1:				**Site Postal Code:**	
Contaminant Qty:	400 kg			**Sector Type:**	Other Plant
MOE Reported Dt:	6/25/2003			**Source Type:**	
Health/Env Conseq:				**Receiving Medium:**	Land
Incident Dt:	6/26/2003			**Receiving Env:**	
Incident Cause:	Pipe Or Hose Leak			**Environment Impact:**	Confirmed
Incident Event:				**Nature of Impact:**	Soil Contamination
Incident Reason:	Error- Operator error			**SAC Action Class:**	Spill to Land
Incident Summary:	Sun Chemical-400 Kgs oil to gravel				

27	43 of 48	S/186.4	99.2	**1274 Plains Road** **Burlington ON**	SPL

Ref No:	3531-67G6FM			**Site Address:**	
Contaminant Name:	SOAP/WATER MIXTURRE			**Site Conc:**	
Contaminant Code:	41			**Site Lot:**	
Contaminant Limit 1:				**Site County/District:**	
Contam. Limit Freq 1:				**Site Municipality:**	Burlington
Contaminant UN No 1:				**Site Postal Code:**	
Contaminant Qty:	400 L			**Sector Type:**	
MOE Reported Dt:	12/7/2004			**Source Type:**	
Health/Env Conseq:				**Receiving Medium:**	Land
Incident Dt:	12/7/2004			**Receiving Env:**	
Incident Cause:	Valve / Fitting Leak Or Failure			**Environment Impact:**	Possible
Incident Event:				**Nature of Impact:**	Soil Contamination
Incident Reason:				**SAC Action Class:**	Spill to Land
Incident Summary:	Sun Chemical: 400 L of detergent and soap to gnd.				

27	44 of 48	S/186.4	99.2	**SUN CHEMICAL** **1274 PLAINS ROAD EAST** **RAIL** **SIDING BURLINGTON PLANT** **1274** **PLAINS RD. EAST** **BURLINGTON CITY ON L7S 1W6**	SPL

Ref No:	177478			**Site Address:**	
Contaminant Name:				**Site Conc:**	
Contaminant Code:				**Site Lot:**	
Contaminant Limit 1:				**Site County/District:**	
Contam. Limit Freq 1:				**Site Municipality:**	14101
Contaminant UN No 1:				**Site Postal Code:**	
Contaminant Qty:				**Sector Type:**	
MOE Reported Dt:	2/13/2000			**Source Type:**	
Health/Env Conseq:				**Receiving Medium:**	LAND
Incident Dt:	2/13/2000			**Receiving Env:**	
Incident Cause:	VALVE/FITTING LEAK OR FAILURE			**Environment Impact:**	NOT ANTICIPATED
Incident Event:				**Nature of Impact:**	
Incident Reason:	EQUIPMENT FAILURE			**SAC Action Class:**	
Incident Summary:	SUN CHEMICAL-1000 KG INK OIL FROM RAIL CAR TO RAIL SIDING, CONTAINED.				

27	45 of 48	S/186.4	99.2	**SUN CHEMICAL** **BURLINGTON PLANT** **1274** **PLAINS RD. EAST** **BURLINGTON CITY ON L7S 1W6**	SPL

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Ref No: 133607
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 10/28/1996
Health/Env Conseq:
Incident Dt: 10/25/1996
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Incident Reason: EQUIPMENT FAILURE
Incident Summary: SUN CHEMICAL - 300 KG OF CARBON BLACK TO PLANT ROOF.

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 14101
Site Postal Code:
Sector Type:
Source Type:
Receiving Medium: LAND
Receiving Env:
Environment Impact: NOT ANTICIPATED
Nature of Impact: Other
SAC Action Class:

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27 | 46 of 48 | S/186.4 | 99.2 | SUN CHEMICAL BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6 | SPL

Ref No: 157189
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 6/24/1998
Health/Env Conseq:
Incident Dt: 6/24/1998
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Incident Reason: UNKNOWN
Incident Summary: SUN CHEMICAL - 150 L OF VARNISH TO GROUND AND CB DISTRICT, WORKS NOTIFIED.

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 14101
Site Postal Code:
Sector Type:
Source Type:
Receiving Medium: LAND
Receiving Env:
Environment Impact: POSSIBLE
Nature of Impact: Multi Media Pollution
SAC Action Class:

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27 | 47 of 48 | S/186.4 | 99.2 | TRANSPORT TRUCK 1274 PLAINS ROAD EAST. TRANSPORT TRUCK (CARGO) BURLINGTON CITY ON L7S 1W6 | SPL

Ref No: 175948
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 12/18/1999
Health/Env Conseq:
Incident Dt: 12/18/1999
Incident Cause: OTHER CAUSE (N.O.S.)
Incident Event:
Incident Reason: ERROR
Incident Summary: SWT SPECIALTY PRODUCTS- 40 KG (TAR) TO LOT AND CBFROM HOSE,CLEANED-UP.

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 14101
Site Postal Code:
Sector Type:
Source Type:
Receiving Medium: LAND / WATER
Receiving Env:
Environment Impact: NOT ANTICIPATED
Nature of Impact:
SAC Action Class:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
27	48 of 48	S/186.4	99.2	SUN CHEMICAL 1274 PLAINS RD BURLINGTON PLANT 1274 PLAINS RD. EAST BURLINGTON CITY ON L7S 1W6	SPL

Ref No:	160472	**Site Address:**	
Contaminant Name:		**Site Conc:**	
Contaminant Code:		**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	14101
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Sector Type:**	
MOE Reported Dt:	9/25/1998	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	LAND / AIR
Incident Dt:	9/25/1998	**Receiving Env:**	
Incident Cause:	OTHER CONTAINER LEAK	**Environment Impact:**	NOT ANTICIPATED
Incident Event:		**Nature of Impact:**	
Incident Reason:	ERROR	**SAC Action Class:**	
Incident Summary:	SUN CHEMICAL-<1000 KG CARBON BLACK TO RAIL SPUR-NO WIND,WATER. CLEANING.		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
28	1 of 6	ENE/187.0	99.8	TARBOOSH RESTAURANT 1400 PLANS ROAD EAST BURLINGTON CITY ON	CA

Certificate #:	8-3558-96-
Application Year:	96
Issue Date:	12/24/1996
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	COMMERCIAL KITCHEN EXHAUST HOOD
Contaminants::	Suspended Particulate Matter, Odour/Fumes
Emission Control::	Centri. And/Or Cycl. Scr., No Controls,

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
28	2 of 6	ENE/187.0	99.8	1400 Plains Road East Burlington ON L7R 3P8	EHS

Postal Code:	
City:	
Address2:	
Address1:	
Provstate:	
Order No.:	20120130039
Addit. Info Ordered::	City Directory
Report Date:	2/8/2012
Report Type:	Custom Report
Search Radius (km):	0.25

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
28	3 of 6	ENE/187.0	99.8	Stone Gate Properties Inc. 1400 Plains Road East Burlington ON L7R 3P8	GEN

Generator No.:	ON6982753	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	2009	**Choice of Contact:**	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Contam. Facility:
MHSW Facility:
SIC Code: 531310
SIC Description: Real Estate Property Managers

Co Admin:
Phone No. Admin:

--Details--
Waste Code: 150
Waste Description: INERT INORGANIC WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

---

28 **4 of 6** **ENE/187.0** **99.8**

Stone Gate Properties Inc.
1400 Plains Road East
Burlington ON L7R 3P8

GEN

Generator No.: ON6982753
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 531310
SIC Description: Real Estate Property Managers

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 150
Waste Description: INERT INORGANIC WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

---

28 **5 of 6** **ENE/187.0** **99.8**

Stone Gate Properties Inc.
1400 Plains Road East
Burlington ON L7R 3P8

GEN

Generator No.: ON6982753
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 531310
SIC Description: Real Estate Property Managers

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 150
Waste Description: INERT INORGANIC WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

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28 **6 of 6** **ENE/187.0** **99.8**

CES Graphic Supplies Inc.
1400 Plains Rd E
Burlington ON L7R 3P8

SCT

Established: 7/1/1996
Plant Size (ft²): 3000
Employment:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

--Details--
Description: Office and Store Machinery and Equipment Wholesaler-Distributors
SIC/NAICS Code: 417910

Description: Commercial Screen Printing
SIC/NAICS Code: 323113

---

29 | ***1 of 18*** | ***SSW/197.1*** | ***99.7*** | ***Sun Chemical Ltd.***
1274 Plains Rd. E.
Burlington ON L7S 3Z1 | ***NPRI***

Longitude: -79.8211
NPRI #: 0000002260
Year: 2001
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: 2,6-Di-t-butyl-4-methylphenol
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

---

29 | ***2 of 18*** | ***SSW/197.1*** | ***99.7*** | ***SUN CHEMICAL LTD.***
1274 Plains Road
Burlington ON L7S3Z1 | ***NPRI***

Longitude: -79.8211
NPRI #: 0000002260
Year: 2008
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: 2,6-Di-t-butyl-4-methylphenol
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

---

29 | ***3 of 18*** | ***SSW/197.1*** | ***99.7*** | ***Sun Chemical Ltd.***
1274 Plains Rd. E.
Burlington ON L7S 3Z1 | ***NPRI***

Longitude: -79.8211
NPRI #: 0000002260
Year: 1999

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Latitude:		43.3339			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Copper (and its compounds)			
Land:					
29	4 of 18	SSW/197.1	99.7	**Sun Chemical Ltd.** **1274 Plains Rd. E.** **Burlington ON L7S 3Z1**	NPRI
Longitude:		-79.8211			
NPRI #:		0000002260			
Year:		1998			
Latitude:		43.3339			
--Details--					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Copper (and its compounds)			
Land:					
29	5 of 18	SSW/197.1	99.7	**SUN CHEMICAL LTD.** **1274 Plains Road** **Burlington ON L7S3Z1**	NPRI
Longitude:		-79.8211			
NPRI #:		0000002260			
Year:		2010			
Latitude:		43.3339			
29	6 of 18	SSW/197.1	99.7	**Sun Chemical Ltd. (Burlington)** **Burlington ON**	NPRI
Longitude:		-79.8211			
NPRI #:		0000002260			
Year:		1993			
Latitude:		43.3339			
--Details--					
Units:		tonnes			
Air:		0			
Water:		0			
Substances Released:					
Land:		0			
29	7 of 18	SSW/197.1	99.7	**SUN CHEMICAL LTD.** **1274 Plains Road** **Burlington ON L7S3Z1**	NPRI
Longitude:		-79.8211			
NPRI #:		0000002260			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Year: 2005
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: 2,6-Di-t-butyl-4-methylphenol
Land:

Units: tonnes
Air: 1.068
Water:
Substances Released: MSG#3 - White mineral oil
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

29	8 of 18	SSW/197.1	99.7	***Sun Chemical Ltd. (Burlington)*** ***1274 Plains Rd. E.*** ***Burlington ON L7S 3Z1***	***NPRI***

Longitude: -79.8211
NPRI #: 0000002260
Year: 1995
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

29	9 of 18	SSW/197.1	99.7	***Sun Chemical Ltd.*** ***1274 Plains Road East*** ***Burlington ON L7S 3Z1***	***NPRI***

Longitude: -79.8211
NPRI #: 0000002260
Year: 2000
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: 2,6-Di-t-butyl-4-methylphenol
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	10 of 18	SSW/197.1	99.7	SUN CHEMICAL LTD. 1274 Plains Rd. E. Burlington ON L7S 3Z1	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 2002
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: 2,6-Di-t-butyl-4-methylphenol
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	11 of 18	SSW/197.1	99.7	SUN CHEMICAL LTD. 1274 Plains Road Burlington ON L7S3Z1	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 2009
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	12 of 18	SSW/197.1	99.7	Sun Chemical Ltd. 1274 Plains Rd. E. Burlington ON L7S 3Z1	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 1996
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	13 of 18	SSW/197.1	99.7	SUN CHEMICAL LTD. 1274 Plains Road	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 2004
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: Nitrous oxide
Land:

Units: tonnes
Air:
Water:
Substances Released: Nitrogen oxides (expressed as NO2)
Land:

Units: tonnes
Air:
Water:
Substances Released: Carbon dioxide
Land:

Units: tonnes
Air:
Water:
Substances Released: 2,6-Di-t-butyl-4-methylphenol
Land:

Units: tonnes
Air: .06
Water:
Substances Released: Carbon black
Land:

Units: tonnes
Air:
Water:
Substances Released: Carbon monoxide
Land:

Units: tonnes
Air: 1.407
Water:
Substances Released: MSG#2 - Sweetened middle distillate
Land:

Units: tonnes
Air: .07
Water:
Substances Released: MSG#3 - Hydrotreated light naphthenic distillate
Land:

Units: tonnes
Air:
Water:
Substances Released: Sulphur dioxide
Land:

Units: tonnes
Air:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

Water:
Substances Released: Methane
Land:

Units: tonnes
Air: .963
Water:
Substances Released: MSG#3 - White mineral oil
Land:

Units: tonnes
Air:
Water:
Substances Released: HFC-134a Hydrofluorocarbon
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Units: tonnes
Air:
Water:
Substances Released: PM - Total Particulate Matter
Land:

Units: tonnes
Air:
Water:
Substances Released: PM10 - Particulate Matter <= 10 Microns
Land:

Units: tonnes
Air:
Water:
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns
Land:

Units: tonnes
Air:
Water:
Substances Released: Volatile Organic Compounds (VOCs)
Land:

29	***14 of 18***	***SSW/197.1***	***99.7***	***Sun Chemical Ltd. (Burlington)*** ***1274 Plains Rd. E.*** ***Burlington ON L7S 3Z1***	***NPRI***

Longitude: -79.8211
NPRI #: 0000002260
Year: 1994
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	15 of 18	SSW/197.1	99.7	Sun Chemical Ltd. 1274 Plains Rd. E. Burlington ON L7S 3Z1	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 1997
Latitude: 43.3339

--Details--
Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	16 of 18	SSW/197.1	99.7	SUN CHEMICAL LTD. 1274 Plains Road Burlington ON L7S3Z1	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 2007
Latitude: 43.3339

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	17 of 18	SSW/197.1	99.7	SUN CHEMICAL LTD. 1274 Plains Road Burlington ON L7S3Z1	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 2006
Latitude: 43.3339

--Details--
Units: tonnes
Air: .105
Water:
Substances Released: MSG#3 - White mineral oil
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
29	18 of 18	SSW/197.1	99.7	SUN CHEMICAL LTD. 1274 Plains Road Burlington ON L7S3Z1	NPRI

Longitude: -79.8211
NPRI #: 0000002260
Year: 2003
Latitude: 43.3339

--Details--

Units: tonnes
Air:
Water:
Substances Released: 2,6-Di-t-butyl-4-methylphenol
Land:

Units: tonnes
Air:
Water:
Substances Released: Copper (and its compounds)
Land:

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30 **1 of 2** **NNW/213.9** **99.8** ***Premiere Village Ltd.***
1393 Leighland Rd & 1397 1403 1413 1423 &
1417 Leighland Road
Burlington ON L9T 5A6 **ECA**

Approval No: 9550-5JJT9T
Project Type: Municipal and Private Water Works
Date: 2/10/2003 8:51:56 AM
Status: Approved
Longitude: -79.8209299999999
Latitude: 43.3378499999999
Record Type: ECA
PDF URL:
Full Address:

---

30 **2 of 2** **NNW/213.9** **99.8** ***Premiere Village Ltd.***
1393 Leighland Rd & 1397 1403 1413 1423 &
1417 Leighland Road
Burlington ON L9T 5A6 **ECA**

Approval No: 2284-5JJT63
Project Type: Municipal and Private Sewage Works
Date: 2/10/2003 8:52:21 AM
Status: Approved
Longitude: -79.8209299999999
Latitude: 43.3378499999999
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/2766-5JJLKH-14.pdf
Full Address:

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31 **1 of 3** **NE/234.1** **99.8** ***Stone Gate Properties Inc.***
1400 Plains Road
Burlington ON L7R 3P8 **GEN**

Generator No.: ON8669967
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 531310
SIC Description: REAL ESTATE PROPERTY MANAGERS

PO Box No.:
Country: Canada
Choice of Contact: CO_OFFICIAL
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
31	2 of 3	NE/234.1	99.8	Stone Gate Properties Inc. 1400 Plains Road East Burlington ON L7R 3P8	GEN

Generator No.:	ON6982753	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2014	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	
MHSW Facility:	No	**Phone No. Admin:**	
SIC Code:	531310		
SIC Description:	REAL ESTATE PROPERTY MANAGERS		

--Details--

Waste Code: 150
Waste Description: INERT INORGANIC WASTES

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
31	3 of 3	NE/234.1	99.8	Stone Gate Properties Inc. 1400 Plains Road East Burlington ON	GEN

Generator No.:	ON6982753	**PO Box No.:**	
Status:		**Country:**	
Approval Years:	2013	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:	531310		
SIC Description:	REAL ESTATE PROPERTY MANAGERS		

--Details--

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 150
Waste Description: INERT INORGANIC WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
32	1 of 1	ENE/239.7	99.8	BIRLINGTON ON	WWIS

Well ID:	2810541	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:		**Date Received:**	5/12/2006
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Abandoned-Other	**Abandonment Rec:**	Yes
Water Type:		**Contractor:**	7241
Casing Material:		**Form Version:**	3
Audit No:	Z43694	**Owner:**	
Tag:	A041344	**Street Name:**	1390-1400 PLAINS RD.
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	11552451	***Spatial Status:***	
DP2BR:		***Cluster Kind:***	
Code OB:	o	***UTMRC:***	3
Code OB Desc:	Overburden	***UTMRC Desc:***	margin of error : 10 - 30 m
Open Hole:		***Location Method:***	wwr
Elevation:	100.327461	***Org CS:***	G83a
Elevrc:		***Date Completed:***	4/25/2006
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	933060496
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	01
Other Materials:	FILL
Mat3:	77
Other Materials:	LOOSE
Formation Top Depth:	0.00
Formation End Depth:	1.22
Formation End Depth UOM:	m

Formation ID:	933060497
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	
Other Materials:	
Formation Top Depth:	1.22
Formation End Depth:	2.44
Formation End Depth UOM:	m

Formation ID:	933060498
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	34
Other Materials:	TILL
Mat3:	
Other Materials:	
Formation Top Depth:	2.44
Formation End Depth:	3.66
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	933297308
Layer:	1
Plug From:	0.00
Plug To:	0.30
Plug Depth UOM:	m

Plug ID:	933297309
Layer:	2
Plug From:	0.30
Plug To:	0.91
Plug Depth UOM:	m

Plug ID:	933297310
Layer:	3
Plug From:	0.91
Plug To:	3.66
Plug Depth UOM:	m

Method of Construction & Well Use

Method Construction ID:	962810541
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	

Pipe Information

Pipe ID:	11562058
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930882546
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	1.22
Casing Diameter:	5.08
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933419481
Layer:	1
Slot:	010
Screen Top Depth:	1.22
Screen End Depth:	3.66
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	5.33

Hole Diameter

Hole ID:	11683574
Diameter:	10.00
Depth From:	0.00
Depth To:	3.66
Hole Depth UOM:	m
Hole Diameter UOM:	cm

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33 **1 of 1** **SSE/241.7** **97.9** **ON** **BORE**

Borehole ID:	622675	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	595775	**Northing::**	4798543
Location Accuracy::		**Orig. Ground Elev m::**	99.1
Elev. Reliability Note::		**DEM Ground Elev m::**	97.8
Total Depth m::	11.1	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	FEB-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218426644	**Top Depth(m):**	0.0
Bottom Depth(m):	1.5	**Stratum Desc:**	SAND. BROWN,VERY DENSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218426645	**Top Depth(m):**	1.5
Bottom Depth(m):	2.7	**Stratum Desc:**	SILT,SAND,CLAY. GREEN,VERY DENSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218426646	**Top Depth(m):**	2.7
Bottom Depth(m):	9.4	**Stratum Desc:**	SILT,SAND,CLAY. GREEN,VERY DENSE,GRANULAR, AGE GLACIAL.
Stratum ID:	218426647	**Top Depth(m):**	9.4
Bottom Depth(m):	11.1	**Stratum Desc:**	SILT,CLAY. GREEN,VERY HARD,LAYERED, AGE GLACIAL. 014 021 011

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34 **1 of 1** **N/244.6** **99.8** ***Premiere Village Ltd.*** ***1393, 1397, 1403, 1413 & 1423, 1417 Leighland Rd*** ***Burlington ON*** **CA**

Certificate #:	2284-5JJT63
Application Year:	2003
Issue Date:	2/10/2003
Approval Type:	Municipal and Private Sewage Works
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

---

35 **1 of 1** **NE/245.5** **99.8** **ON** **WWIS**

Well ID:	7164921	**Data Entry Status:**	
Construction Date:		**Data Src:**	
Primary Water Use:	Monitoring	**Date Received:**	7/6/2011
Sec. Water Use:		**Selected Flag:**	1
Final Well Status:	Observation Wells	**Abandonment Rec:**	
Water Type:		**Contractor:**	7295
Casing Material:		**Form Version:**	7
Audit No:	Z120157	**Owner:**	
Tag:	A113792	**Street Name:**	
Construction Method:		**County:**	HALTON
Elevation (m):		**Municipality:**	BURLINGTON CITY
Elevation Reliability:		**Site Info:**	
Depth to Bedrock:		**Lot:**	
Well Depth:		**Concession:**	
Overburden/Bedrock:		**Concession Name:**	
Pump Rate:		**Easting NAD83:**	
Static Water Level:		**Northing NAD83:**	
Flowing (Y/N):		**Zone:**	
Flow Rate:		**UTM Reliability:**	
Clear/Cloudy:			

Bore Hole Information

Bore Hole ID:	1003529350	**Spatial Status:**	
DP2BR:		**Cluster Kind:**	
Code OB:		**UTMRC:**	6
Code OB Desc:		**UTMRC Desc:**	margin of error : 300 m - 1 km
Open Hole:		**Location Method:**	wwr
Elevation:	100.623893	**Org CS:**	dms83
Elevrc:		**Date Completed:**	1/31/2011
Remarks:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1003835580
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	11
Most Common Material:	GRAVEL
Mat2:	28
Other Materials:	SAND
Mat3:	79
Other Materials:	PACKED
Formation Top Depth:	0.00
Formation End Depth:	2.00
Formation End Depth UOM:	ft

Formation ID:	1003835581
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	
Other Materials:	
Mat3:	80

Other Materials:	POROUS
Formation Top Depth:	2.00
Formation End Depth:	6.00
Formation End Depth UOM:	ft
Formation ID:	1003835582
Layer:	3
Color:	2
General Color:	GREY
Mat1:	05
Most Common Material:	CLAY
Mat2:	06
Other Materials:	SILT
Mat3:	66
Other Materials:	DENSE
Formation Top Depth:	6.00
Formation End Depth:	9.00
Formation End Depth UOM:	ft
Formation ID:	1003835583
Layer:	4
Color:	7
General Color:	RED
Mat1:	17
Most Common Material:	SHALE
Mat2:	
Other Materials:	
Mat3:	73
Other Materials:	HARD
Formation Top Depth:	9.00
Formation End Depth:	15.00
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1003835591
Layer:	1
Plug From:	0.50
Plug To:	
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1003835589
Method Construction Code:	2
Method Construction:	Rotary (Convent.)
Other Method Construction:	

Pipe Information

Pipe ID:	1003835579
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003835586
Layer:	1
Material:	5

Open Hole or Material:	PLASTIC
Depth From:	0.00
Depth To:	5.00
Casing Diameter:	1.80
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1003835587
Layer:	1
Slot:	10
Screen Top Depth:	5.00
Screen End Depth:	15.00
Screen Material:	5
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	2.00

Water Details

Water ID:	1003835585
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1003835584
Diameter:	6.00
Depth From:	0.00
Depth To:	15.00
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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36 ***1 of 1*** ***NW/256.7*** ***99.8*** ***ON*** ***BORE***

Borehole ID:	621055	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Power auger	**UTM Zone::**	17
Easting::	595415	**Northing::**	4798943
Location Accuracy::		**Orig. Ground Elev m::**	100
Elev. Reliability Note::		**DEM Ground Elev m::**	99.9
Total Depth m::	4.4	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	SEP-1965	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218419603	**Top Depth(m):**	0.0
Bottom Depth(m):	0.3	**Stratum Desc:**	SOIL. AGE POST-GLACIAL.
Stratum ID:	218419604	**Top Depth(m):**	0.3
Bottom Depth(m):	4.4	**Stratum Desc:**	TILL,CLAY,SILT,SAND.BROWN,GLACIAL,HARD, AGE GLACIAL. 008 00010083BROWN,

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
37	1 of 1	NE/257.5	99.8	UNKNOWN 1417 PLAINS RD E BURLINGTON CITY ON L7R 3P9	SPL

Ref No:	211031	**Site Address:**	
Contaminant Name:		**Site Conc:**	
Contaminant Code:		**Site Lot:**	
Contaminant Limit 1:		**Site County/District:**	
Contam. Limit Freq 1:		**Site Municipality:**	14101
Contaminant UN No 1:		**Site Postal Code:**	
Contaminant Qty:		**Sector Type:**	
MOE Reported Dt:	9/8/2001	**Source Type:**	
Health/Env Conseq:		**Receiving Medium:**	Land, Air
Incident Dt:	9/6/2001	**Receiving Env:**	
Incident Cause:	UNKNOWN	**Environment Impact:**	Possible
Incident Event:		**Nature of Impact:**	Multi Media Pollution
Incident Reason:	UNKNOWN	**SAC Action Class:**	
Incident Summary:	UKN SOURCE OF BLACK SOOT - FALLOUT OVER NEIGHBOUR-HOOD. H/U TAKEN SAMPLES		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
38	1 of 1	NE/265.0	99.8	ON	BORE

Borehole ID:	623361	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	595865	**Northing::**	4798933
Location Accuracy::		**Orig. Ground Elev m::**	100
Elev. Reliability Note::		**DEM Ground Elev m::**	100
Total Depth m::	4.9	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	APR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218429215	**Top Depth(m):**	0.0
Bottom Depth(m):	1.7	**Stratum Desc:**	FILL,CLAY,SAND,SLAG.BLACK,MAN-MADE,SOFT, AGE POST-GLACIAL.
Stratum ID:	218429216	**Top Depth(m):**	1.7
Bottom Depth(m):	2.4	**Stratum Desc:**	FILL,CLAY,SILT, STONES. BROWN,MAN-MADE,HARD, AGE POST-GLACIAL.
Stratum ID:	218429217	**Top Depth(m):**	2.4
Bottom Depth(m):	4.9	**Stratum Desc:**	TILL,CLAY,SILT, STONES. BROWN,GLACIAL,HARD, AGE GLACIAL. 00000008000550360008018000015

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
39	1 of 4	NW/268.9	99.8	COUNTRY GREEN HOMES INC. TREELAND ST/GABRIEL PL/PH.3 BURLINGTON CITY ON	CA

Certificate #:	7-0937-96-
Application Year:	96
Issue Date:	10/2/1996
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Client Address::					
Client City::					
Client Postal Code::					
Project Description::					
Contaminants::					
Emission Control::					

39	2 of 4	NW/268.9	99.8	WHITE BIRCH LANDS LIMITED TREELAND ST./GABRIEL PLACE BURLINGTON CITY ON	CA

Certificate #:	7-0380-93-
Application Year:	93
Issue Date:	5/25/1993
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

39	3 of 4	NW/268.9	99.8	WHITE BIRCH LANDS LIMITED TREELAND ST./GABRIEL PLACE BURLINGTON CITY ON	CA

Certificate #:	3-0453-93-
Application Year:	93
Issue Date:	5/18/1993
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

39	4 of 4	NW/268.9	99.8	COUNTRY GREEN HOMES INC. TREELAND ST/GABRIEL PL/PH.3 BURLINGTON CITY ON	CA

Certificate #:	3-1132-96-
Application Year:	96
Issue Date:	10/2/1996
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB

40 *1 of 2* *NNE/286.1* *99.8* **Canadian Tire Corporation, limited** *GEN*
1435 Plains Road East
Burlington ON L7R 3P9

Generator No.:	ON3881175	**PO Box No.:**	
Status:	Registered	**Country:**	Canada
Approval Years:	As of Jun 2017	**Choice of Contact:**	
Contam. Facility:		**Co Admin:**	
MHSW Facility:		**Phone No. Admin:**	
SIC Code:			
SIC Description:			

--Details--
Waste Code: 263 I
Waste Description: Misc. waste organic chemicals

Waste Code: 331 I
Waste Description: Waste compressed gases including cylinders

40 *2 of 2* *NNE/286.1* *99.8* **Canadian Tire Corporation, limited** *GEN*
1435 Plains Road East
Burlington ON L7R 3P9

Generator No.:	ON3881175	**PO Box No.:**	
Status:		**Country:**	Canada
Approval Years:	2016	**Choice of Contact:**	CO_OFFICIAL
Contam. Facility:	No	**Co Admin:**	Ryan lawson
MHSW Facility:	No	**Phone No. Admin:**	905 Ext.637-4
SIC Code:	415290		
SIC Description:	OTHER NEW MOTOR VEHICLE PARTS AND ACCESSORIES WHOLESALER-DISTRIBUTORS		

--Details--
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

41 *1 of 1* *ENE/291.6* *99.8* *ON* *BORE*

Borehole ID:	623362	**Type:**	Borehole
Use:	Geotechnical/Geological Investigation	**Status::**	
Drill Method::	Diamond Drill	**UTM Zone::**	17
Easting::	595905	**Northing::**	4798923
Location Accuracy::		**Orig. Ground Elev m::**	100
Elev. Reliability Note::		**DEM Ground Elev m::**	99.9
Total Depth m::	2.3	**Primary Name::**	
Township::		**Concession::**	
Lot::		**Municipality:**	
Completion Date::	APR-1967	**Static Water Level::**	-999.9
Primary Water Use::	Not Used	**Sec. Water Use::**	

--Details--

Stratum ID:	218429218	**Top Depth(m):**	0.0
Bottom Depth(m):	1.1	**Stratum Desc:**	FILL,CLAY,SAND. BROWN,MAN-MADE,SOFT, AGE POST-GLACIAL.

Stratum ID:	218429219	***Top Depth(m):***	1.1
Bottom Depth(m):	2.3	***Stratum Desc:***	TILL,CLAY,SILT, STONES. BROWN,GLACIAL,HARD, AGE GLACIAL. 0003507400023

Unplottable Summary

Total: 44 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	FORTINO'S SUPERMARKET LTD.	PLAINS ROAD EAST	BURLINGTON CITY ON	
CA	SAMPURAN ENTERPRISES LTD.	PLAINS RD. EAST KINGS LANDING	BURLINGTON CITY ON	
CA	BURLINGTON CITY	PLAINS RD. EAST	BURLINGTON CITY ON	
CA	IMPERIAL CITY CORP.	PLAINS RD. E.	BURLINGTON CITY ON	
CA	SAMPURAN ENTERPRISES LTD.	PLAINS RD. EAST KINGS LANDING	BURLINGTON CITY ON	
CA	WHITE BIRCH LANDS LIMITED	TREELAND STREET	BURLINGTON CITY ON	
CA	JUMBO VIDEO	BRANT ST., BURLINGTON P.C.MALL	BURLINGTON CITY ON	
CA		Leighland Road and Coric Avenue (Lot 15)	Burlington ON	
CA	WHITE BIRCH LANDS LIMITED	TREELAND ST. HALLEY HEIGHTS SB	BURLINGTON CITY ON	
CA		Leighland Road and Coric Avenue	Burlington ON	
CA	FALCO PROPERTY - PT. LOT 4, CONC. 2 SDS	GLENDOR AVENUE, NELSON TWP.	BURLINGTON CITY ON	
CA	R.M. OF HALTON	GLENDOR AVE.	BURLINGTON CITY ON	
CA	UNITED LAND CORPORATION LTD.-PT. LOT 15	GLENDOR AVE.	BURLINGTON CITY ON	
CA	R.M. OF HALTON	GLENDOR AVE.	BURLINGTON CITY ON	
CA	R.M. OF HALTON	BRANT ST/QUE INTERCHANGE	BURLINGTON CITY ON	
CA		Leighland Road and Coric Avenue	Burlington ON	
CA	WHITE BIRCH LANDS LIMITED	TREELAND STREET	BURLINGTON CITY ON	

CONV	SUN CHEMICAL CORPORATION LIMIT		ON	
ECA	The Regional Municipality of Halton	Plains Road East from 97 metres southwest of Glendor Avenue to 180 metres northeast of Maple Avenue	Burlington ON	L6M 3L1
ECA	The Regional Municipality of Halton	Brant Street	Burlington ON	L6M 3L1
ECA	Corporation of the City of Burlington	Leighland Road and Coric Ave	Burlington ON	L7R 3Z6
GEN	UNION GAS LIMITED	VARIOUS SITES WITHIN THE MOE CENTRAL REGION	(SEE SCHEDULE B) ON	N7M 5M1
GEN	UNION GAS LIMITED	VARIOUS SITES WITHIN THE MOE CENTRAL REGION	(SEE SCHEDULE B) ON	
GEN	UNION GAS LIMITED	VARIOUS SITES WITHIN THE MOE CENTRAL REGION	(SEE SCHEDULE B) ON	N7M 5M1
GEN	CANADIAN NATIONAL RAILWAY	VARIOUS SITES WITHIN THE MOEE CENTRAL REGION	(SEE SCHEDULE "B") ON	
GEN	CANADIAN NATIONAL RAILWAY	VARIOUS SITES WITHIN THE MOEE CENTRAL REGION	(SEE SCHEDULE "B") ON	
GEN	UNION GAS LIMITED	VARIOUS SITES WITHIN THE MOE CENTRAL REGION	(SEE SCHEDULE B) ON	N7M 5M1
PES	CANADIAN TIRE CORPORATION LTD	PO BOX 5008	BURLINGTON ON	L7R0C1
SPL	Union Gas Limited		Burlington ON	
SPL	Sanimax ABP Inc.	Brant St., N of HWY 5	Burlington ON	
SPL	CONSTRUCTION SITE	DEVELOPMENT SITE AT THE N.W. CORNER OF PLAINS RD. & JOB'S LANE,OPPOSITE FRANCIS (N.O.S.)	BURLINGTON CITY ON	
SPL	Union Gas Limited		Burlington ON	
SPL	Union Gas Limited		Burlington ON	
SPL	Union Gas Limited		Burlington ON	
SPL	Union Gas Limited		Burlington ON	
SPL	Union Gas Limited		Burlington ON	
SPL		Brant St North of the QEW	Burlington ON	
SPL	UNKNOWN	LAKE ONTARIO - OUTFALL AT END OF BRANT ST.	BURLINGTON CITY ON	

SPL	Canadian National Railway Company	MILEAGE 34.6, OAKVILLE SUB., TRACK KA33, JUST NORTH HWY. 403<UNOFFICIAL>	Burlington ON
SPL	Union Gas Limited		Burlington ON
SPL	Union Gas Limited		Burlington ON
SPL	Union Gas Limited		Burlington ON
SPL	Union Gas Limited		Burlington ON
SPL	SANEXEN ENVIRONMENTAL SERVICES	TYANDAGA SUBSTATION BRANT STREET PCB DESTRUCTION UNIT	BURLINGTON CITY ON

Unplottable Report

Site: ***FORTINO'S SUPERMARKET LTD.***
PLAINS ROAD EAST BURLINGTON CITY ON

Database: ***CA***

Certificate #:	8-3222-96-
Application Year:	96
Issue Date:	5/7/1996
Approval Type:	Industrial air
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	COMMERCIAL KITCHEN EXHAUST HOOD
Contaminants::	Odour/Fumes
Emission Control::	No Controls

Site: ***SAMPURAN ENTERPRISES LTD.***
PLAINS RD. EAST KINGS LANDING BURLINGTON CITY ON

Database: ***CA***

Certificate #:	7-1744-87-
Application Year:	87
Issue Date:	11/20/1987
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***BURLINGTON CITY***
PLAINS RD. EAST BURLINGTON CITY ON

Database: ***CA***

Certificate #:	3-1430-92-
Application Year:	92
Issue Date:	11/2/1992
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site: ***IMPERIAL CITY CORP.***
PLAINS RD. E. BURLINGTON CITY ON

Database: ***CA***

Certificate #:	7-1379-89-

Application Year: 89
Issue Date: 8/14/1989
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***SAMPURAN ENTERPRISES LTD.***
PLAINS RD. EAST KINGS LANDING BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-2066-87-
Application Year: 87
Issue Date: 11/20/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***WHITE BIRCH LANDS LIMITED***
TREELAND STREET BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-0417-88-
Application Year: 88
Issue Date: 4/13/1988
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***JUMBO VIDEO***
BRANT ST., BURLINGTON P.C.MALL BURLINGTON CITY ON

Database: ***CA***

Certificate #: 8-3278-97-
Application Year: 97
Issue Date: 7/24/1997
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description:: COMMERCIAL KITCHEN EXHAUST SYSTEM
Contaminants:: Odour/Fumes
Emission Control:: Panel Filter

Site:
Leighland Road and Coric Avenue (Lot 15) Burlington ON

Database: ***CA***

Certificate #:	9978-4Z5LCS
Application Year:	01
Issue Date:	7/31/01
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name::	Corporation of the City of Burlington
Client Address::	P.O. Box 5013, 426 Brant Street
Client City::	Burlington
Client Postal Code::	L7R 3Z6
Project Description::	This application is for the construction of storm sewers and appurtenances on Leighland Road and Coric Avenue, from Glendor Avenue to West End.
Contaminants::	
Emission Control::	

Site: ***WHITE BIRCH LANDS LIMITED***
TREELAND ST. HALLEY HEIGHTS SB BURLINGTON CITY ON

Database: ***CA***

Certificate #:	3-0336-88-
Application Year:	88
Issue Date:	3/18/1988
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name::	
Client Address::	
Client City::	
Client Postal Code::	
Project Description::	
Contaminants::	
Emission Control::	

Site:
Leighland Road and Coric Avenue Burlington ON

Database: ***CA***

Certificate #:	5264-4Y6PTT
Application Year:	01
Issue Date:	7/6/01
Approval Type:	Municipal & Private water
Status:	Approved
Application Type:	New Certificate of Approval
Client Name::	Corporation of the Regional Municipality of Halton
Client Address::	1151 Bronte Road
Client City::	Oakville
Client Postal Code::	L6M 3L1
Project Description::	Construction of watermains on Leighland Road and Coric Avenue
Contaminants::	
Emission Control::	

Site: ***FALCO PROPERTY - PT. LOT 4, CONC. 2 SDS***
GLENDOR AVENUE, NELSON TWP. BURLINGTON CITY ON

Database: ***CA***

Certificate #:	7-0368-91-
Application Year:	91
Issue Date:	4/19/1991
Approval Type:	Municipal water
Status:	Approved
Application Type:	
Client Name::	

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

Site: ***R.M. OF HALTON***
GLENDOR AVE. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 3-1857-87-
Application Year: 87
Issue Date: 10/16/1987
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***UNITED LAND CORPORATION LTD.-PT. LOT 15***
GLENDOR AVE. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-0369-91-
Application Year: 91
Issue Date: 4/19/1991
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HALTON***
GLENDOR AVE. BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1541-87-
Application Year: 87
Issue Date: 10/16/1987
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***R.M. OF HALTON***
BRANT ST/QUE INTERCHANGE BURLINGTON CITY ON

Database: ***CA***

Certificate #: 7-1413-88-

Application Year: 88
Issue Date: 9/7/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***Database:*** ***CA***
Leighland Road and Coric Avenue Burlington ON

Certificate #: 1374-4Y6PLE
Application Year: 01
Issue Date: 7/6/01
Approval Type: Municipal & Private sewage
Status: Approved
Application Type: New Certificate of Approval
Client Name:: Corporation of the Regional Municipality of Halton
Client Address:: 1151 Bronte Road
Client City:: Oakville
Client Postal Code:: L6M 3L1
Project Description:: Construction of sanitary sewers on Coric Avenue and Leighland Road
Contaminants::
Emission Control::

Site: ***WHITE BIRCH LANDS LIMITED*** ***Database:*** ***CA***
TREELAND STREET BURLINGTON CITY ON

Certificate #: 7-0365-88-
Application Year: 88
Issue Date: 4/13/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name::
Client Address::
Client City::
Client Postal Code::
Project Description::
Contaminants::
Emission Control::

Site: ***SUN CHEMICAL CORPORATION LIMIT*** ***Database:*** ***CONV***
ON

File No.:
Publication Title:
Publication City:
Url:
Crown Brief No.: 98-0000-9003
Ministry District:
Region: CENTRAL REGION
Description: THIS IS THE CENTRAL BRIEF FOR ALL P.O.A. TICKETS

--Details--
Publication Date:
Count: 1
Act: EPA

Regulation: 347
Section: 18(5)
Act/Regulation/Section: EPA-347-18(5)
Date Charged: 12/7/01
Charge Disposition: SUSPENDED SENTENCE
Fine: $305.00

Site: ***The Regional Municipality of Halton***
Plains Road East from 97 metres southwest of Glendor Avenue to 180 metres northeast of Maple Avenue
Burlington ON L6M 3L1

Database: ***ECA***

Approval No: 4611-6PVH29
Project Type: Municipal Drinking Water Systems
Date: 5/19/2006 9:12:09 PM
Status: Approved
Longitude: -79.8253
Latitude: 43.3391
Record Type: ECA
PDF URL:
Full Address:

Site: ***The Regional Municipality of Halton***
Brant Street Burlington ON L6M 3L1

Database: ***ECA***

Approval No: 2285-6S8P4V
Project Type: Municipal Drinking Water Systems
Date: 8/2/2006 7:24:51 PM
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL:
Full Address:

Site: ***Corporation of the City of Burlington***
Leighland Road and Coric Ave Burlington ON L7R 3Z6

Database: ***ECA***

Approval No: 9978-4Z5LCS
Project Type: Municipal and Private Sewage Works
Date: 7/31/2001
Status: Approved
Longitude:
Latitude:
Record Type: ECA
PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/0785-4Z2HAN-14.pdf
Full Address:

Site: ***UNION GAS LIMITED***
VARIOUS SITES WITHIN THE MOE CENTRAL REGION (SEE SCHEDULE B) ON N7M 5M1

Database: ***GEN***

Generator No.: ONR001003
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 221210
SIC Description: Natural Gas Distribution

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Site: ***UNION GAS LIMITED***
VARIOUS SITES WITHIN THE MOE CENTRAL REGION (SEE SCHEDULE B) ON

Database: ***GEN***

Generator No.: ONR001003
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 221210
SIC Description: NATURAL GAS DISTRIBUTION

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Site: ***UNION GAS LIMITED***
VARIOUS SITES WITHIN THE MOE CENTRAL REGION (SEE SCHEDULE B) ON N7M 5M1

Database: ***GEN***

Generator No.: ONR001003
Status:
Approval Years: 2010
Contam. Facility:
MHSW Facility:
SIC Code: 221210
SIC Description: Natural Gas Distribution

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Site: ***CANADIAN NATIONAL RAILWAY***
VARIOUS SITES WITHIN THE MOEE CENTRAL REGION (SEE SCHEDULE "B") ON

Database: ***GEN***

Generator No.: ONR000703
Status:
Approval Years: 2013
Contam. Facility:
MHSW Facility:
SIC Code: 482113
SIC Description: MAINLINE FREIGHT RAIL TRANSPORTATION

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 243
Waste Description: PCBS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 145

Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 266
Waste Description: PHENOLIC WASTES

Waste Code: 253
Waste Description: EMULSIFIED OILS

Waste Code: 135
Waste Description: REACTIVE ANION WASTES

Waste Code: 268
Waste Description: AMINES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Waste Code: 254
Waste Description: TRANSFER STATION OILS WASTES

Waste Code: 213
Waste Description: PETROLEUM DISTILLATES

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 269
Waste Description: NON-HALOGENATED PESTICIDES

Waste Code: 270
Waste Description: OTHER SPECIFIED ORGANICS

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 114
Waste Description: OTHER INORGANIC ACID WASTES

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 231

Waste Description: LATEX WASTES

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Site: ***CANADIAN NATIONAL RAILWAY***
VARIOUS SITES WITHIN THE MOEE CENTRAL REGION (SEE SCHEDULE "B") ON

Database: ***GEN***

Generator No.: ONR000703
Status:
Approval Years: 2012
Contam. Facility:
MHSW Facility:
SIC Code: 482113
SIC Description: Mainline Freight Rail Transportation

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES

Waste Code: 254
Waste Description: TRANSFER STATION OILS WASTES

Waste Code: 222
Waste Description: HEAVY FUELS

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 148
Waste Description: INORGANIC LABORATORY CHEMICALS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Waste Code: 221
Waste Description: LIGHT FUELS

Waste Code: 312
Waste Description: PATHOLOGICAL WASTES

Waste Code: 243
Waste Description: PCBS

Waste Code: 122
Waste Description: ALKALINE WASTES - OTHER METALS

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Waste Code: 253
Waste Description: EMULSIFIED OILS

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Waste Code: 262
Waste Description: DETERGENTS/SOAPS

Waste Code: 270
Waste Description: OTHER SPECIFIED ORGANICS

Waste Code: 114
Waste Description: OTHER INORGANIC ACID WASTES

Waste Code: 231
Waste Description: LATEX WASTES

Waste Code: 232
Waste Description: POLYMERIC RESINS

Waste Code: 266
Waste Description: PHENOLIC WASTES

Waste Code: 121
Waste Description: ALKALINE WASTES - HEAVY METALS

Waste Code: 241
Waste Description: HALOGENATED SOLVENTS

Waste Code: 268
Waste Description: AMINES

Waste Code: 269
Waste Description: NON-HALOGENATED PESTICIDES

Waste Code: 135
Waste Description: REACTIVE ANION WASTES

Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Waste Code: 112
Waste Description: ACID WASTE - HEAVY METALS

Waste Code: 113
Waste Description: ACID WASTE - OTHER METALS

Waste Code: 211
Waste Description: AROMATIC SOLVENTS

Site: ***UNION GAS LIMITED***
VARIOUS SITES WITHIN THE MOE CENTRAL REGION (SEE SCHEDULE B) ON N7M 5M1

Database: ***GEN***

Generator No.: ONR001003
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 221210
SIC Description: Natural Gas Distribution

PO Box No.:
Country:
Choice of Contact:
Co Admin:
Phone No. Admin:

--Details--
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS

Site: ***CANADIAN TIRE CORPORATION LTD***
PO BOX 5008 BURLINGTON ON L7R0C1

Database: ***PES***

Detail Licence No.: 23-01-16277-0
Licence Type: LIMITED

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No: 5552-9HEMWA
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Code: 35
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 0 other - see incident description
MOE Reported Dt: 2014/03/21
Health/Env Conseq:
Incident Dt: 2014/03/21
Incident Cause: Leak/Break
Incident Event:
Incident Reason: Operator/Human Error
Incident Summary: Union Gas: 1/2" plastic gas line strike

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Burlington
Site Postal Code:
Sector Type: Pipeline/Components
Source Type:
Receiving Medium:
Receiving Env:
Environment Impact: Confirmed
Nature of Impact: Air Pollution
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill

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Site: ***Sanimax ABP Inc.***
Brant St., N of HWY 5 Burlington ON

Database: ***SPL***

Ref No: 3117-AC3LZM
Contaminant Name: WASTE SLURRY
Contaminant Code: 42
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty: 10 kg
MOE Reported Dt: 2016/07/21
Health/Env Conseq:
Incident Dt: 2016/07/21
Incident Cause:
Incident Event: Leak/Break
Incident Reason: Weather Conditions
Incident Summary: Burlington: 10kg Chicken Byproduct to Road.

Site Address: Brant St., N of HWY 5
Site Conc:
Site Lot:
Site County/District:
Site Municipality: Burlington
Site Postal Code:
Sector Type: Miscellaneous Industrial
Source Type:
Receiving Medium:
Receiving Env: Land
Environment Impact:
Nature of Impact:
SAC Action Class: Highway Spills (usually highway accidents)

Site: ***CONSTRUCTION SITE***
DEVELOPMENT SITE AT THE N.W. CORNER OF PLAINS RD. & JOB'S LANE,OPPOSITE FRANCIS (N.O.S.)
BURLINGTON CITY ON

Database: ***SPL***

Ref No: 41775
Contaminant Name:
Contaminant Code:
Contaminant Limit 1:
Contam. Limit Freq 1:
Contaminant UN No 1:
Contaminant Qty:
MOE Reported Dt: 10/5/1990
Health/Env Conseq:
Incident Dt: 10/5/1990
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Incident Reason: EQUIPMENT FAILURE
Incident Summary: CARDEEN CONSTRUCTION - 20 L OF DIESEL FUEL TO GROUND FROM GENERATOR.

Site Address:
Site Conc:
Site Lot:
Site County/District:
Site Municipality: 14101
Site Postal Code:
Sector Type:
Source Type:
Receiving Medium: LAND
Receiving Env:
Environment Impact: CONFIRMED
Nature of Impact: Soil contamination
SAC Action Class:

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No:	2812-9W8T42	***Site Address:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 other - see incident description	***Sector Type:***	
MOE Reported Dt:	5/5/2015	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	5/5/2015	***Receiving Env:***	
Incident Cause:	Leak/Break	***Environment Impact:***	
Incident Event:		***Nature of Impact:***	Air
Incident Reason:	Operator/Human Error	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Summary:	TSSA: 1/2 inch damage, made safe		

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No:	7165-9ZUTL6	***Site Address:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 other - see incident description	***Sector Type:***	Miscellaneous Industrial
MOE Reported Dt:	8/29/2015	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	8/28/2015	***Receiving Env:***	
Incident Cause:		***Environment Impact:***	
Incident Event:		***Nature of Impact:***	
Incident Reason:	Operator/Human Error	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Summary:	TSSA 4 inch line damage, made safe		

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No:	1237-9NLLC7	***Site Address:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 other - see incident description	***Sector Type:***	Pipeline/Components
MOE Reported Dt:	2014/09/03	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	2014/09/02	***Receiving Env:***	
Incident Cause:	Leak/Break	***Environment Impact:***	Confirmed
Incident Event:		***Nature of Impact:***	Air Pollution
Incident Reason:	Operator/Human Error	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Summary:	TSSA:Riser damage		

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No:	5474-9MQRK2	***Site Address:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	

Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 other - see incident description	***Sector Type:***	Pipeline/Components
MOE Reported Dt:	2014/08/06	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	2014/08/06	***Receiving Env:***	
Incident Cause:	Leak/Break	***Environment Impact:***	Confirmed
Incident Event:		***Nature of Impact:***	Air Pollution
Incident Reason:	Unknown / N/A	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Summary:	TSSA- Spill- half inch gas hit by contractor		

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No:	8237-9LEMJU	***Site Address:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 other - see incident description	***Sector Type:***	Pipeline/Components
MOE Reported Dt:	2014/06/25	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	2014/06/25	***Receiving Env:***	
Incident Cause:	Leak/Break	***Environment Impact:***	Not Anticipated
Incident Event:		***Nature of Impact:***	Air Pollution
Incident Reason:	Operator/Human Error	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Summary:	TSSA: 4 inch line damage, made safe		

Site:
Brant St North of the QEW Burlington ON

Database: ***SPL***

Ref No:	7003-7U4226	***Site Address:***	
Contaminant Name:	SEWAGE,RAW UNCHLORINATED	***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	15 L	***Sector Type:***	Sewer
MOE Reported Dt:	7/18/2009	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:		***Receiving Env:***	
Incident Cause:	Other Discharges	***Environment Impact:***	Not Anticipated
Incident Event:		***Nature of Impact:***	Surface Water Pollution
Incident Reason:	Spill	***SAC Action Class:***	Watercourse Spills
Incident Summary:	Milestones: Sanitary surcharge; 15L raw sewage to CB.		

Site: ***UNKNOWN***
LAKE ONTARIO - OUTFALL AT END OF BRANT ST. BURLINGTON CITY ON

Database: ***SPL***

Ref No:	31611	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	14101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	3/4/1990	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	WATER
Incident Dt:	3/4/1990	***Receiving Env:***	

Incident Cause:	UNKNOWN	***Environment Impact:***	POSSIBLE
Incident Event:		***Nature of Impact:***	Water course or lake
Incident Reason:	UNKNOWN	***SAC Action Class:***	
Incident Summary:	EST. 2 L DIESEL FUEL DUMPED TO STORM SEWER & LAKE ONTARIO.		

Site: ***Canadian National Railway Company*** ***Database:*** ***SPL***
MILEAGE 34.6, OAKVILLE SUB., TRACK KA33, JUST NORTH HWY. 403<UNOFFICIAL> Burlington ON

Ref No:	4376-6563ZX	***Site Address:***	
Contaminant Name:	ETHANOL	***Site Conc:***	
Contaminant Code:	24	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	9/24/2004	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	Land
Incident Dt:	9/24/2004	***Receiving Env:***	
Incident Cause:		***Environment Impact:***	
Incident Event:		***Nature of Impact:***	
Incident Reason:		***SAC Action Class:***	
Incident Summary:	CN Rail - ethanol to ground from rail car.		

Site: ***Union Gas Limited*** ***Database:*** ***SPL***
Burlington ON

Ref No:	3400-8XGSH8	***Site Address:***	
Contaminant Name:	NATURAL GAS (METHANE)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 other - see incident description	***Sector Type:***	Pipeline
MOE Reported Dt:	24-AUG-12	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	24-AUG-12	***Receiving Env:***	
Incident Cause:	Pipe Or Hose Leak	***Environment Impact:***	Confirmed
Incident Event:		***Nature of Impact:***	Air Pollution; Other Impact(s)
Incident Reason:	Spill	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Summary:	Union Gas: 4" plastic or 8" steel; ongoing		

Site: ***Union Gas Limited*** ***Database:*** ***SPL***
Burlington ON

Ref No:	6712-96FLHJ	***Site Address:***	
Contaminant Name:	NATURAL GAS, COMPRESSED (METHANE)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 L	***Sector Type:***	Pipeline/Components
MOE Reported Dt:	04-APR-13	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	04-APR-13	***Receiving Env:***	
Incident Cause:	Leak/Break	***Environment Impact:***	Confirmed
Incident Event:		***Nature of Impact:***	Air Pollution
Incident Reason:	Operator/Human Error	***SAC Action Class:***	Air Spills - Gases and Vapours
Incident Summary:	TSSA: Line Strike - 414 Pine Cove Road, Burlington		

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No:	1786-98THBU	***Site Address:***	
Contaminant Name:	METHANE GAS, COMPRESSED (NATURAL GAS)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 L	***Sector Type:***	Pipeline/Components
MOE Reported Dt:	19-JUN-13	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	18-JUN-13	***Receiving Env:***	
Incident Cause:	Leak/Break	***Environment Impact:***	Confirmed
Incident Event:		***Nature of Impact:***	Air Pollution
Incident Reason:	Operator/Human Error	***SAC Action Class:***	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Summary:	TSSA: Line Strike - 2021 Chrisdon Road, Burlington		

Site: ***Union Gas Limited***
Burlington ON

Database: ***SPL***

Ref No:	1571-9D2MA7	***Site Address:***	
Contaminant Name:	METHANE GAS, COMPRESSED (NATURAL GAS)	***Site Conc:***	
Contaminant Code:	35	***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	Burlington
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:	0 L	***Sector Type:***	Pipeline/Components
MOE Reported Dt:	2013/11/01	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	
Incident Dt:	2013/11/01	***Receiving Env:***	
Incident Cause:	Leak/Break	***Environment Impact:***	Confirmed
Incident Event:		***Nature of Impact:***	Air Pollution
Incident Reason:	Operator/Human Error	***SAC Action Class:***	Air Spills - Gases and Vapours
Incident Summary:	TSSA: Line Strike - 514 Pearl Street, Burlington		

Site: ***SANEXEN ENVIRONMENTAL SERVICES***
TYANDAGA SUBSTATION BRANT STREET PCB DESTRUCTION UNIT BURLINGTON CITY ON

Database: ***SPL***

Ref No:	30633	***Site Address:***	
Contaminant Name:		***Site Conc:***	
Contaminant Code:		***Site Lot:***	
Contaminant Limit 1:		***Site County/District:***	
Contam. Limit Freq 1:		***Site Municipality:***	14101
Contaminant UN No 1:		***Site Postal Code:***	
Contaminant Qty:		***Sector Type:***	
MOE Reported Dt:	2/6/1990	***Source Type:***	
Health/Env Conseq:		***Receiving Medium:***	AIR
Incident Dt:	2/6/1990	***Receiving Env:***	
Incident Cause:	PROCESS UPSET	***Environment Impact:***	
Incident Event:		***Nature of Impact:***	
Incident Reason:	COMBUSTION PROBLEMS	***SAC Action Class:***	
Incident Summary:	SANEXEN M.D.U. HEATER MALFUNCTION-HEAVY BLACK SMOKE. *MEDIA*		

Appendix: Database Descriptions

Environmental Risk Information Services (ERIS) 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 ERIS at the time of update. ***Note:*** *Databases denoted with " * " indicates that the database will no longer be updated. See the individual database description for more information.*

Abandoned Aggregate Inventory: Provincial AAGR

The MAAP Program maintains a database of 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.*

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Sep 2016

Abandoned Mine Information System: Provincial AMIS

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

Government Publication Date: 1800-Nov 2016

Anderson's Waste Disposal Sites: Private ANDR

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

Government Publication Date: 1860s-Present

Automobile Wrecking & Supplies: Private AUWR

This database provides an inventory of 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.

Government Publication Date: 1999-May 2017

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2014

Certificates of Approval: Provincial CA

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

Government Publication Date: 1985-Oct 30, 2011*

Commercial Fuel Oil Tanks: Provincial CFOT

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

Government Publication Date: Feb 28, 2017

Chemical Register: Private CHEM

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

Government Publication Date: 1999-May 2017

Compressed Natural Gas Stations: Private CNG

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 31, 2012

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

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

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

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

Government Publication Date: 1989-Jul 2017

Certificates of Property Use: Provincial CPU

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

Government Publication Date: 1994-Aug 2017

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the 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".

Government Publication Date: 1886-Aug 2015

Environmental Activity and Sector Registry: Provincial EASR

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

Government Publication Date: Oct 2011-Mar 2017

Environmental Registry: Provincial EBR

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

Government Publication Date: 1994-Aug 2017

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Mar 2017

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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.

Government Publication Date: 1999-Aug 2016

Environmental Issues Inventory System: Federal 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.

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017.

Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities: Provincial EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

Government Publication Date: Feb 28, 2017

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Mar 2017

Fisheries & Oceans Fuel Tanks: Federal FOFT

Fisheries & Oceans Canada maintains an inventory of 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.

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank: Provincial FST

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

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic: Provincial FSTH

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

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

Government Publication Date: 1986-Jun 2017

Greenhouse Gas Emissions from Large Facilities: Federal GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO2 eq).

Government Publication Date: 2013-Dec 2015

TSSA Historic Incidents: Provincial HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks: Federal IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents: Provincial INC

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

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario: Provincial LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2017

National Analysis of Trends in Emergencies System (NATES): Federal 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.

Government Publication Date: 1974-1994*

Non-Compliance Reports: Provincial NCPL

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

Government Publication Date: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks: Federal NDFT

The Department of National Defense 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.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills: Federal NDSP

The Department of National Defense 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.

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites: Federal 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.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents: Federal NEBI

Locations of pipeline incidents from 2008 to present, made available by the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008 - Dec 2016

National Energy Board Wells: Federal NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal 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 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.

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and 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. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal 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.

Government Publication Date: 1993-2014

Oil and Gas Wells: Private 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 Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-May 2017

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license 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.

Government Publication Date: 1800-Oct 2016

Inventory of PCB Storage Sites: Provincial OPCB

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

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders: Provincial ORD

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

Government Publication Date: 1994-Aug 2017

Canadian Pulp and Paper: Private 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.

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks: Federal PCFT

Canadian Heritage maintains an inventory of 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.

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

Government Publication Date: 1988-Oct 2016

TSSA Pipeline Incidents: Provincial PINC

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

Government Publication Date: Feb 28, 2017

Private and Retail Fuel Storage Tanks: Provincial PRT

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

Government Publication Date: 1989-1996*

Permit to Take Water: Provincial PTTW

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

Government Publication Date: 1994-Aug 2017

Ontario Regulation 347 Waste Receivers Summary: Provincial REC

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

Government Publication Date: 1986-2016

Record of Site Condition: Provincial RSC

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Aug 2017

Retail Fuel Storage Tanks: Private RST

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

Government Publication Date: 1999-May 2017

Scott's Manufacturing Directory: Private SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

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

Government Publication Date: 1988-Jun 2017

Wastewater Discharger Registration Database: Provincial SRDS

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

Government Publication Date: 1990-2014

Anderson's Storage Tanks: Private TANK

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

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 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, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970-Jan 2015

TSSA Variances for Abandonment of Underground Storage Tanks: Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Government Publication Date: Feb 28, 2017

Waste Disposal Sites - MOE CA Inventory: Provincial WDS

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

Government Publication Date: Mar 31, 2017

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Mar 31, 2017

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

APPENDIX E

SITE PHOTOGRAPHS



Photo 1: View of a portion of the west elevation (see arrow) of vacant Building A, looking northeast.



Photo 2: View of a portion of the south elevation (see arrow) of vacant Building B, looking north.



Photo 3: View of a portion of the west elevation (see arrow) of vacant Building C, looking northeast.



Photo 4: View of a portion of the west elevation (see arrow) of Building D, looking northeast.



Photo 5: View of a portion of the adjacent single-family residential dwellings to the northwest of the Phase One Property, looking southeast.



Photo 6: View of the neighbouring multi-tenant residential property to the east (across Helena Street) of the Phase One Property, looking northeast.



Photo 7: View of a portion of the neighbouring commercial properties to the south (across Plains Road East) of the Phase One Property, looking south.



Photo 8: View of a portion of the adjacent multi-tenant residential property to the west of the Phase One Property, looking northwest.



Photo 9: View of a portion of the interior of a typical vacant classroom in Building A.



Photo 10: View of a portion of the interior of a typical office area in Building D.



Photo 11: View of apparent water damaged ceiling tiles (see arrow) in the basement of vacant Building B.



Photo 12: View of suspect mould growth on a portion of the concrete block walls in the basement of vacant Building B.

APPENDIX F

SELECTED AERIAL PHOTOGRAPHS



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 1934

Project No: 7202

Imagery Date: 1934, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 1959

Project No: 7202

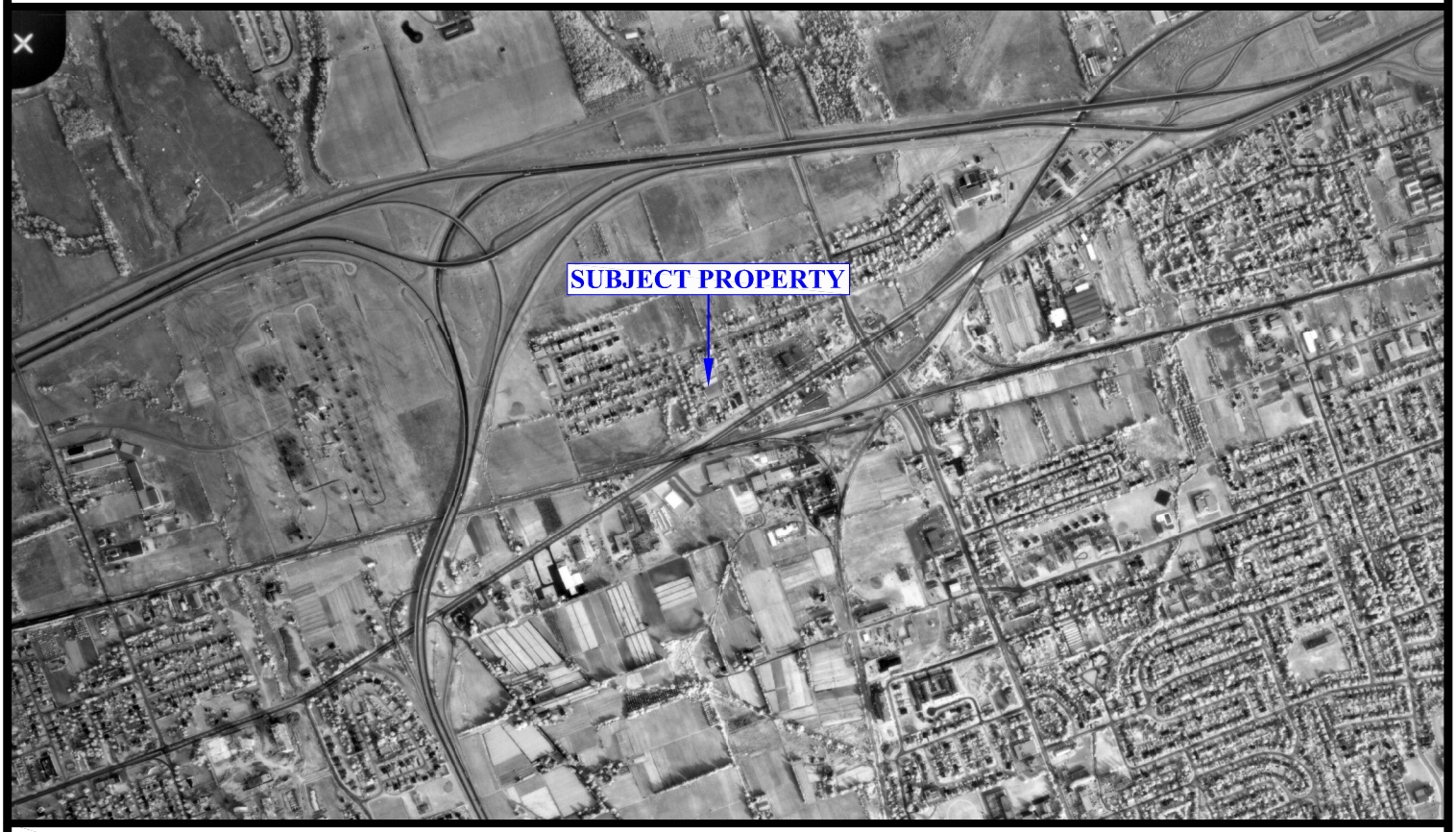
Imagery Date: 1959, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 1973

Project No: 7202

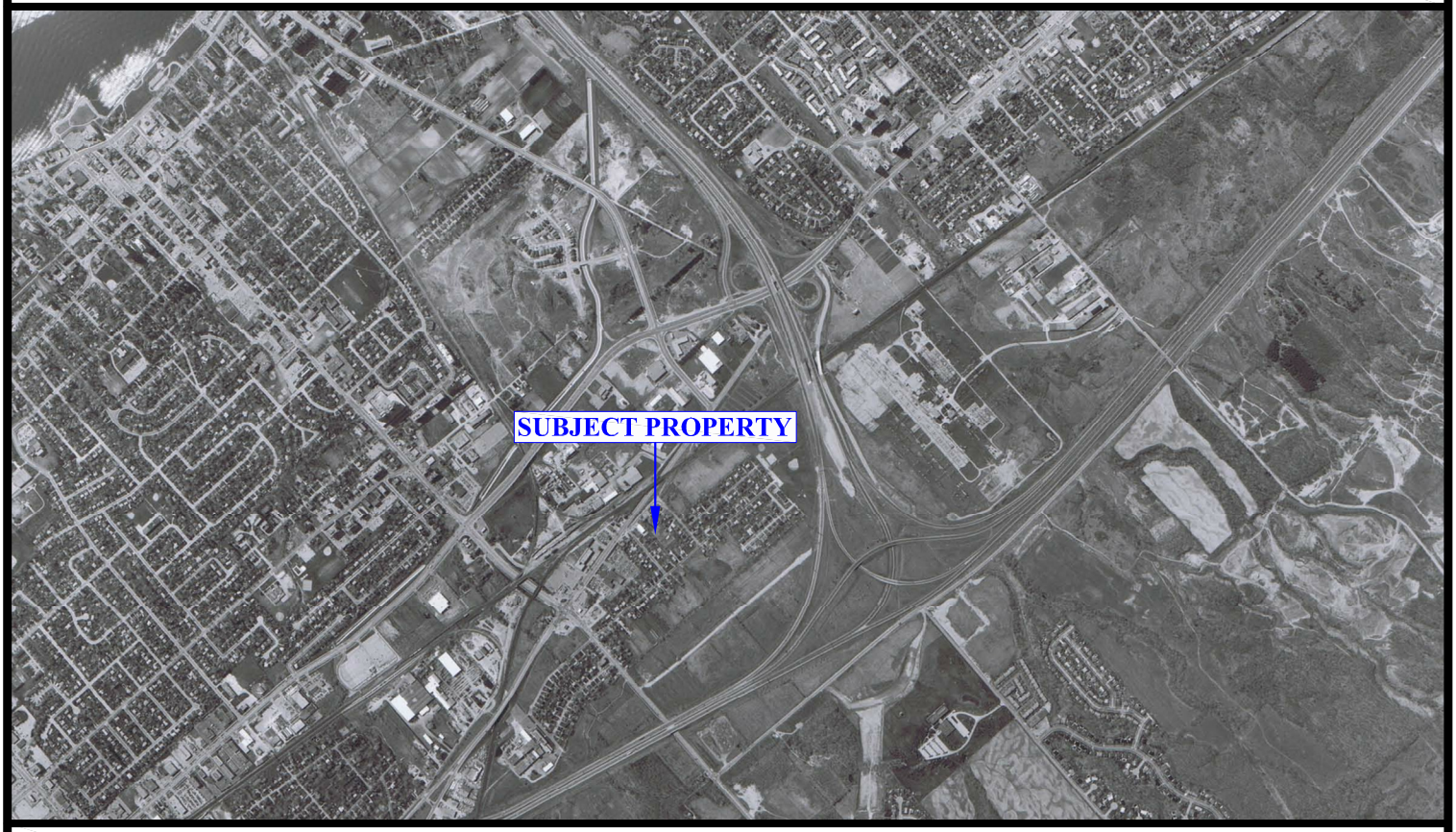
Imagery Date: 1973, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 1986

Project No: 7202

Imagery Date: 1986, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 2004

Project No: 7202

Imagery Date: 2004, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 2009

Project No: 7202

Imagery Date: 2009, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 2014

Project No: 7202

Imagery Date: 2014, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE

N

TRUE



AERIAL PHOTO SHOWING SUBJECT PROPERTY - 2016

Project No: 7202

Imagery Date: 2016, Toronto Reference Library

S2S Environmental Inc.

DATE:	SITE LOCATION:	SCALE:
NOV 21, 2017	1335-1355 PLAINS ROAD EAST BURLINGTON, ONTARIO	NOT TO SCALE