



REPORT

Contamination Overview Study

Airport Road from Braydon Boulevard to Countryside Drive, City of Brampton, Ontario

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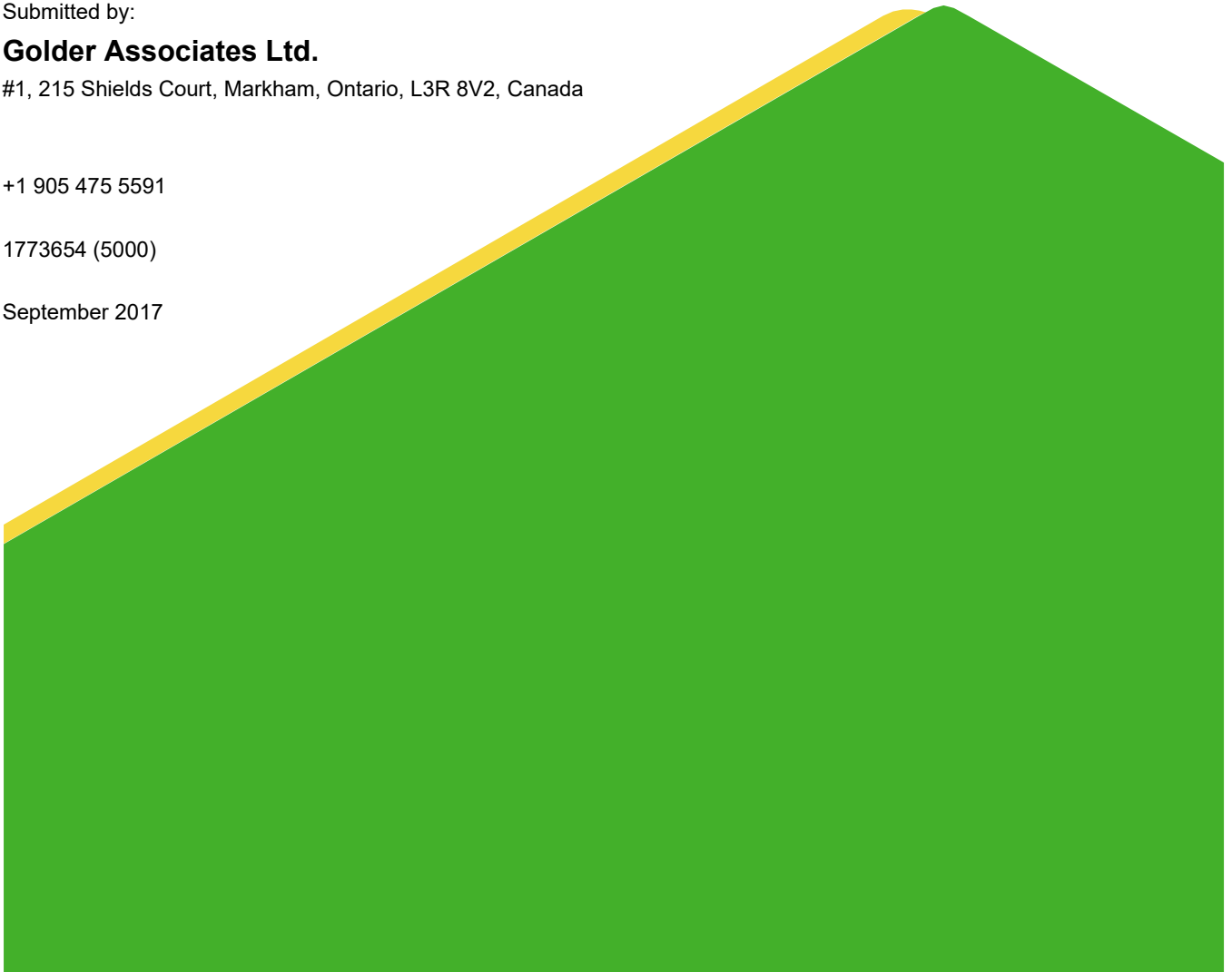
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Distribution List

1 e-copy - HDR Inc.

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Executive Summary

Golder Associates Ltd. (“Golder”) was retained by HDR Inc. (“HDR”) to conduct a Contamination Overview Study (“COS”) as part of the Class “C” Environmental Assessment Study for Airport Road from Braydon Boulevard and Stonecrest Drive to Countryside Drive, in Brampton, Ontario (the “Site”). The properties within 300 m of the Site are referenced as the Study Area.

The COS was required as the Regional Municipality of Peel is proposing improvements along Airport Road to address transportation needs.

The objective of the COS was to identify former or current practices within the Study Area that may represent issues of actual or potential environmental concern, and to inform potential analytical testing during the Phase II Environmental Site Assessment (“ESA”). Golder understands that this assessment is required for the Class “C” Environmental Assessment Study.

The COS consisted of a broad assessment of actual and potential sources of contamination within the Study Area based on a review of readily available information regarding current and former land uses and a drive-by visual reconnaissance of the Site. Based on this information, issues of potential environmental concern were identified and recommendations provided with regards to the need for further investigation. An issue of potential environmental concern consists of an area with actual or potential for subsurface contamination based on current and historical land usage. Contamination is defined as subsurface soil, groundwater and/or sediment with the potential to exceed established Ontario Ministry of the Environment and Climate Change (“MOECC”) generic site condition standards, as set out in “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act” (dated April 2011).

The approximate total length of the Site included in this study is approximately 2.2 km in length as shown on the Key Plan, Figure 1.

Based on the findings of the COS, no high-risk issues of potential environmental concern with the potential for subsurface impacts on the Site were identified. The following moderate to low risks were identified:

- A low risk was identified from an accidental spill of 400 L of diesel from a tanker truck due to operator error to a ditch at the intersection of Airport Road and Countryside Drive (adjacent to the east of the Site) in 2004.

Golder understands that the details and design of the planned road improvement works at the Site have not been fully determined. Based on the proposed improvements and the above findings, the following preliminary recommendation is provided:

Limited subsurface sampling was completed at the Site in by Golder 2019, which included the submission of eight soil samples for the analysis of metals, inorganics, volatile organic compounds (“VOCs”), polycyclic aromatic hydrocarbons (“PAHs”), petroleum hydrocarbons (“PHCs”) and polychlorinated biphenyls (“PCBs”). The analytical results were compared to the “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act”, dated April 15, 2011. For evaluation purposes, the results were compared to both the Table 1 site condition standards (background) for residential parkland, institutional, industrial, commercial, and community property uses (“Table 1 Standards”) and the Table 3 (Full Depth Generic Site Condition Standards in a Non-Potable Groundwater Condition, residential uses, coarse grained soils) site condition standards (“Table 3

Standards”). The results indicated that the levels of EC and SAR exceeded the Table 1 Standards at eight locations, and the Table 3 Standards at seven locations; these impacts were inferred to likely be associated with the application of de-icing salts which are commonly used on roadways. In addition, concentrations of PHCs (F3 and F4) exceeded Table 1 and/or Table 3 Standards at three locations. It is noted that none of the exceedances were present in the vicinity of the Airport Road and Countryside Drive intersection, but there were no samples analyzed from within the intersection. The closest PHC exceedance was noted approximately 200 m south of the intersection. It is noted that the source and distribution of the PHC impacts identified at the three locations are unknown, and it is noted that additional sampling and analysis in these areas may be undertaken to gain a better understanding of the nature of the impacts and the quantity of soil that may be affected.

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1.0 INTRODUCTION

1.1 Background and Objective

Golder Associates Ltd. (“Golder”) was retained by HDR Inc. (“HDR”) to conduct a Contamination Overview Study (“COS”) as part of the Class “C” Environmental Assessment Study for Airport Road from Braydon Boulevard and Stonecrest Drive to Countryside Drive, in Brampton, Ontario (the “Site”). The properties within 300 m of the Site are referenced as the Study Area.

The COS was required as the Regional Municipality of Peel is proposing improvements along the Airport Road to address transportation needs.

The objective of the COS was to identify former or current practices within the Study Area that may represent issues of actual or potential environmental concern and to inform the analytical testing during the subsequent Phase II Environmental Site Assessment (“ESA”) or geotechnical investigations. Golder understands that this assessment is required for the Class “C” Environmental Assessment Study.

The COS consisted of a broad assessment of actual and potential sources of contamination within the Study Area based on a review of readily available information regarding current and former land uses and a drive-by visual site reconnaissance. Based on this information, issues of potential environmental concern were evaluated and recommendations provided with regards to the need for further investigation. An issue of potential environmental concern consists of an area with actual or potential for subsurface contamination based on current and historical land usage. Contamination is defined as subsurface soil, groundwater and/or sediment with the potential to exceed established Ontario Ministry of the Environment and Climate Change (“MOECC”) generic site condition standards, as set out in “Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act” (dated April 2011).

The approximate total length of the Site included in this study is approximately 2.2 km in length as shown on the Key Plan, Figure 1.

1.2 Scope of Work

The COS scope of work included the following:

- Review of background information for the Study Area including:
 - Historic records and database information from an EcoLog ERIS report;
 - Physiographic, geologic and hydrogeologic maps and reports;
 - Aerial photographs;
- Review of municipal and regional data (where available);
- A “drive-by” and/or walkthrough reconnaissance of the Study Area; and
- Preparation of this COS report summarizing the investigation findings.

The scope of this COS assessment is sufficient only to identify potential environmental issues within the Study Area which is obvious from a preliminary visual examination of surface features or from reviewed sources of information. No soil, water, liquid, gas, product or chemical sampling and testing on or in the vicinity of the Study Area was conducted as part of this assessment. This assessment included a brief overview, via a “drive-by” and/or

walkthrough reconnaissance of the Study Area, and does not constitute a complete assessment of these lands. Private properties located within the Study Area were assessed from publicly accessible lands.

In preparing this COS, Golder has applied professional judgement in considering readily-available information and has relied in good faith on information provided by others. This level of effort is a method of risk reduction rather than risk elimination. This assessment included a cursory overview of the neighbouring land uses and does not constitute a complete assessment of neighbouring land uses. Further reductions in risk can be achieved through following programs including intrusive testing at the Site, including sample collection and analysis.

2.0 SITE DESCRIPTION

2.1 Site Location and Setting

As noted, the Site consists of a Regional road of approximately 2.2 km in along Airport Road from Braydon Boulevard/Stonecrest Drive to Countryside Drive, in Brampton, Ontario. The Site is located in a residential and commercial area. The location of the Site is included on Figure 1.

2.2 Site Uses and Structures

The Study Area included the Site and adjacent lands within 300 m from either side of the road. The Site comprises a public roadway that is traversed by two tributaries of the West Humber River.

For the purpose of describing relative locations in this COS report, the Site is assumed to be aligned in a southeast-northwest direction.

2.3 Topographic, Geologic, and Hydrogeologic Setting

The following summary of the topographic, geologic, and hydrogeologic setting for the Site is based on observations during the Study Area Reconnaissance and on a review of the following maps:

- Natural Resources Canada. *The Atlas of Canada*. Toporama Topographic Maps. Scale 1:20,000;
- Ontario Geological Survey. 2010. *Surficial Geology of Southern Ontario*. Ontario Geological Survey Map Miscellaneous Release – Data 128-REV. Scale 1:50,000; and,
- Ontario Geological Survey. 2011. *Bedrock Geology of Ontario*. Ontario Geological Survey Map Miscellaneous Release – Data 126 – Revision 1. Scale 1:250,000.

Topography along the length of the Site is relatively flat and is situated at 227 metres above sea level (masl) in the northern part, and 210 masl in the southern part of the Site. The Site was generally at grade with the Study Area, with the exception of steep slopes towards the tributaries of the West Humber River, which traverse the Site at two locations.

The surficial geology in the vicinity of the south portion of Site is expected to consist predominantly of clay to silt-textured till, derived from glaciolacustrine deposits; in the vicinity of the north portion of the Site, the surficial geology is expected to consist predominantly of silt to silty clay matrix derived from the Halton Till deposits. Bedrock in the vicinity of the Site consists of shale, limestone, dolostone and siltstone.

At the time of the Study Area Reconnaissance, exposures of the subsurface soil were not observed at the Site.

Local groundwater flow in the area of the Site is anticipated to be to the southeast, in the same general direction of the tributaries of West Humber River. The West Humber River flows in a southeastern direction towards Lake

Ontario, located approximately 25 km south of the Site. Regional groundwater flow in the area of the Site is also anticipated to be to the south towards Lake Ontario. Buried utilities and underground structures can affect local groundwater flow conditions. Inferred groundwater flow directions are subject to confirmation with field measurements.

3.0 INFORMATION REVIEW

3.1 Aerial Photographs

Aerial photographs of the Site and vicinity were obtained from LGI Copy Services Canada (“LGI”) for the years 1946, 1960, 1974, 1980 and 1988 as well as Google Earth Images, from 2004, 2009 and 2015 were reviewed by Golder. Representative photographs were selected for review based on an approximate ten-year interval. The information obtained from the aerial photographs was limited by the quality and scale of the available aerial photographs. The earliest aerial photograph available was from 1946.

Information obtained from the review of the aerial photographs is summarized in the following Table 1.

Table 1: Review of Aerial Photographs

Year	Site	Study Area
1946	The Site appears undeveloped and comprised of agricultural fields. Two tributaries of the West Humber River are present.	Study Area appears to be comprised of agricultural fields with associated structures. Tributaries of the West Humber River are present crossing the Study Area in a southeast direction.
1960	The Site appears developed with what is now Airport Road .	Generally as per the 1946 aerial photograph.
1974	Generally as per the 1960 aerial photograph.	Generally as per the 1960 aerial photograph, except development is noted on the southeast corner of Countryside Drive and Airport Road.
1980	Generally as per the 1974 aerial photograph.	Generally as per the 1974 aerial photograph.
1988	Generally as per the 1980 aerial photograph.	Generally as per the 1980 aerial photograph.
2004	Generally as per the 1988 aerial photograph.	Study Area on the east comprised residential dwellings as at present. Study Area on the west comprised residential dwellings. New developments are ongoing near Eagle Plains Drive. The remaining Study Area on the west to Countryside Drive remains undeveloped and apparently being used for agriculture.

Year	Site	Study Area
2009	Generally as per the 2004 aerial photograph.	The Study Area is fully developed, including two stormwater ponds and two plazas: one on the southwest corner of Brock Drive and Airport Road and another one on the southwest corner of Countryside Drive and Airport Road, both located on the west side of the Site.
2015	Generally as per the 2009 aerial photograph.	Generally as per the 2009 aerial photograph.

3.2 Fire Insurance Records

Opta Information Intelligence (“Opta”) was contacted by Golder and requested to review their records for any information (i.e., fire insurance plans or reports) relating to the Site. Golder was informed by Opta on September 26, 2017 that there were no fire insurance plans (“FIPs”), property underwriter reports (“PURs”) or property underwriter plans (“PUPs”) available for the Site.

3.3 EcoLog ERIS Search of Environmental Databases

Golder contracted EcoLog Environmental Risk Information Services Ltd. (“EcoLog ERIS”) to search available federal, provincial, and private-sector environmental databases for the Site and within 300 m from the centre line of the Site. The complete database report is included in Appendix A. Noteworthy findings of the EcoLog ERIS report are summarized in the following sections.

3.4 Site

No noteworthy records were reported for the Site.

3.5 Study Area

Based on Golder’s review, the EcoLog ERIS report indicated the following noteworthy findings originating on the Study Area:

- The following were reported in the Ontario Regulation 347 Waste Generators database for the Study Area:

Table 2: Waste Generators – Study Area

Generator Number	Company	Years	Waste Description
ON9848815	Phoenix Pharmacy Inc. (65 Braydon Boulevard, Suite 3)	2013 to 2016	pathological and pharmaceuticals wastes
ON7394266	Braydon Dental Care (65 Braydon Boulevard, Suite 8)	2016	pathological wastes

Generator Number	Company	Years	Waste Description
ON6900404	Devinder Singh Pharmacy Ltd. (10970 Airport Road, Unit B)	2015 to 2016	pathological and pharmaceuticals wastes
Unplottable Record			
ON0885500	Go Camping (17-150 R.R. #4 Highway 7 East of Airport Road), located 4.5 km south of the Site	1986 to 1998	petroleum distillates

- The following Records of Site Condition (“RSC”) were reported for the Study Area:
 - 678604 Ontario Inc., located at Airport Road, Brampton (adjacent to the west of the Site), was listed as registered on February 21, 2005 (RSC#2961) from Agriculture or Other to Residential property use;
 - Monarch Corporation, located in Brampton (without municipal address) (at approximately 200 m to the west of the Site), was listed as registered on February 18, 2009 (RSC#48113) from Agriculture or Other to Residential property use; and,
 - Georgian Country Trails Inc., located in Brampton (without municipal address) (at approximately 200 m to the northwest of the Site), was listed as registered on May 29, 2008 (RSC#45246) from Agriculture or Other to Residential property use;
- The following unplottable RSCs were reported for the Study Area:
 - 0 Highway 7 West (Chinguacousy), Brampton, ON L6X 0Y6 (without municipal address), was listed as submitted on October 22, 2014 (Registration#215046);
 - 0 Countryside Drive, Brampton, ON L6R 0V6 (without municipal address), was listed as submitted on March 26, 2013 (Registration#207608); and,
 - 0 Countryside Drive, Brampton, ON L6V 2K6 (without municipal address), was listed as submitted on October 15, 2014 (Registration#214707);
- The following Study Area were listed in the Ontario Spills database:
 - A release [of natural gas] from an Enbridge Gas pipe/hose leak caused by a break in the four inches main due to moving equipment damage, to air, was reported at a gas main located at Airport Road and Brock Street (adjacent to the west of the Site) in 2001; environmental impact causing air pollution was listed as possible;
 - A release of 400 L of diesel from a tank truck accident (operator error) to ditch was reported at the intersection of Airport Road and Countryside Drive (adjacent to the east of the Site) in 2004; environmental impact causing soil contamination was listed as possible; and,

- An illegal dumping release of undisclosed contaminant from a residence was reported at 10417 Airport Road (approximately 240 m east of the Site) in 2006; environmental impact causing soil and water contamination was listed as not anticipated;
- The following unplotable Ontario Spills were listed in the database for the Study Area:
 - A release of 25 L of used motor oil from unknown source to ditch was reported in a ditch beside Countryside Drive between Hart Lake Road & Dixie Road in 2005; environmental impact causing surface water pollution was listed as confirmed;
 - A release of 10 L of diesel fuel caused by an overturned truck/trailer, discharging fuel and oil to a ditch was reported at Airport Road south of Charleston in 1995; environmental impact causing soil contamination was confirmed, although cleanup had been attempted;
 - A release of unspecified amount of cooling system fluid for unknown reasons from a construction project at Airport Road, south of Mayfield Road, was reported and resulted in the discharge of sediment to the West Humber River; environmental impact causing surface water pollution was listed as possible;
- Two unplotable records of private and retail fuel storage tanks were listed in the unplotable database for the Study Area:
 - Cruise Canada Inc., listed with license # 0076351899, located at RR 8 #7 Highway West of #50 S/RD Brampton ON L6T3Y7 (unknown address), was listed in 1993 as an expired retail tank location that storage tank(s) with capacity 2,000 L. It is noted that this location is approximately 7 km southeast of the Site; and,
 - GO Vacations Canada Inc., listed with license # 0023347001, located at Highway 7, Brampton ON (unknown address), was listed in 1991 as an expired retail tank location that storage tank(s) with capacity 1,000 L. The exact location of this record is unknown, however is noted to be along Highway 7, located 4.5 km south of the Site.

3.6 Previous Reports

Golder reviewed the following report in association with the Site:

- "DRAFT Pavement/Geotechnical and Environmental Investigation and Preliminary Design Report (project #1773654)", dated February 14, 2020, prepared by Golder for HDR Inc.

Based on Golder's review of this report, the following was considered noteworthy:

- The Region of Peel had retained HDR Inc. as the Design Consultant and in turn HDR Inc. retained Golder to carry out the geotechnical/pavement investigation for the preliminary design as part of a Schedule 'C' Class Environmental Assessment. HDR Inc. also retained Golder to carry out chemical analysis and excess soil characterization of the subsurface soils at the Site;
- The field work was carried out in October and November of 2019, at which time 42 boreholes were advanced to a depth of approximately 1.5 m. Of the 42 boreholes, 19 were drilled through the lanes of the roadway, 16 were drilled in proposed widening areas, and seven were within various intersecting sideroad areas;
- Two additional boreholes were advanced to depths of 6.6 and 8.1 m to obtain geotechnical information for the design of a foundation for a culvert;

- It was reported that the predominant subgrade soil type encountered at the Site comprised of clayey silt/silty clay with varying amounts of sand and gravel. Fill materials consisting of sand with varying amounts of silt, silty clay/clayey silt and an isolated area of silt were reported in boreholes advanced in the proposed widening areas east and west of Airport Road. Fill materials were also encountered under pavement structure on Airport Road at some locations;
- Boreholes advanced to 1.5 m below grade were reported to be dry upon completion of drilling. Groundwater was reported in one of the two deeper boreholes and was measured at a depth of 3.2 m below grade;
- As part of the limited soil characterization efforts, eight soil samples were selected based on staining, odour and/or debris, if present, and in the absence of obvious impact, to provide general coverage across the Site. Samples were submitted for analysis of metals, inorganics, volatile organic compounds (“VOCs”), polycyclic aromatic hydrocarbons (“PAHs”), petroleum hydrocarbons (“PHCs”) and polychlorinated biphenyls (“PCBs”). Samples were collected from soil fill materials near the surface, up to a maximum of 1.5 m below grade;
- The analytical data was compared to the Ministry of Environment, Conservation and Parks (“MECP”) generic site condition standards in the “*Soil, Ground Water and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act*”, dated April 15, 2011. For evaluation purposes, Golder compared the results to both the Table 1 site condition standards (background) for residential parkland, institutional, industrial, commercial, and community property uses (“Table 1 Standards”) and the Table 3 (Full Depth Generic Site Condition Standards in a Non-Potable Groundwater Condition, residential uses, coarse grained soils) site condition standards (“Table 3 Standards”);
- Aside from a slight rotten egg odour noted at one location, no staining, discolouration, debris or free product was observed in the soil samples recovered from any of the other advanced boreholes.
- Based on the results of the analyses the following parameters were identified at concentrations or levels exceeding the Table 1 Standards:
 - Electrical conductivity (“EC”) and sodium adsorption ration (“SAR”) at all eight locations;
 - PHC F3 at two locations; and
 - PHC F4 at three locations;
- Based on the results of the analyses the following parameters were identified at concentrations or levels exceeding the Table 3 Standards:
 - EC at seven locations;
 - SAR at four locations; and
 - PHC F3 at two locations;
- It is noted that none of the PHC exceedances were noted to be in the vicinity of the Airport Road and Countryside Drive intersection. The closest location of a sample with PHC exceedance was noted to be approximately 200 m south of the intersection, but there were no samples analyzed from within the intersection;
- The report indicated that the reported levels of EC and SAR were most likely associated with the application of de-icing salts which are commonly used in roadways; and,

- It was reported that the source and distribution of the PHC impacts identified at the three locations were unknown, and it was noted that additional sampling and analysis in these areas may be undertaken to gain a better understanding of the nature of the impacts and the quantity of soil that may be affected.

4.0 REGULATORY INFORMATION REVIEW

4.1 Technical Standards & Safety Authority, Fuels Safety Division

The Technical Standards and Safety Authority (“TSSA”), Fuels Safety Division maintains records related to registered fuel storage tanks and other petroleum-related infrastructure. The TSSA was contacted to identify whether any active, decommissioned, or in-service storage tanks were present on the Site, and to search for outstanding instructions, incident reports, spills, or contamination records.

Based on email correspondence between Golder and Ruchi Chohan of Public Information Services of TSSA on September 21, 2017, the TSSA has no records of fuel storage tanks on file pertaining to the following properties located in the Study Area pertaining to the Site:

- 150 Yellow Aven Boulevard, Brampton, ON – located adjacent to the west of the Site at Brock Drive and Airport Road for Scotia Bank, New Style Salon Spa and a Dry Cleaning Depot and associated parking lot; and,
- 10417 Airport Road, Brampton, ON – located at an approximately 220 m southeast of the Site where an illegal dumping release of an undisclosed contaminant was reported based on the EcoLog Eris report.

Golder submitted a request to Public Information Services of TSSA for a detailed report including the following properties (based on their TSSA licence numbers) and copies of all inspection reports. At the time of writing this report, no response had been received from the TSSA:

- Cruise Canada Inc., listed with license # 0076351899, located at RR 8 #7 Highway West of #50 S/RD Brampton ON L6T3Y7 (unknown address), was listed in 1993 as an expired retail tank location that storage tank(s) with capacity 2,000 L; and,
- GO Vacations Canada Inc., listed with license # 0023347001, located at Highway 7, Brampton ON (unknown address), was listed in 1991 as an expired retail tank location that storage tank(s) with capacity 1,000 L.

5.0 STUDY AREA RECONNAISSANCE

Golder visited the Site on September 11, 2017, to assess the current land usage in the Study Area and the associated potential for subsurface environmental contamination. Golder observed Study Area from publicly accessible areas and from the Site.

The Study Area is predominantly residential.

The Golder made the following observations of the Study Area:

- **West (inferred to be hydraulically up-gradient of the Site):** Immediately west of the Site was Country Trails Plaza that included a TD Canada branch, Shoppers Drug Mart, Pizza Pizza restaurant, Sobeys etc.; followed by residential land uses. Further south were two multi commercial properties located at Brock Drive and Airport Road for Scotia Bank, New Style Salon Spa and a Dry Cleaning Depot and associated parking lot. Further south was a stormwater pond followed by residences and further south, there was another stormwater pond followed by residences until Braydon Boulevard;

- **North (inferred to be hydraulically cross to up-gradient of the Site):** North of the Site on both sides of the extent of Airport Road were two vacant lots that appear to be used for agriculture. Adjacent northeast to the Site was a residential dwelling and associated parking. Further north is another tributary of the West Humber River;
- **South (inferred to be hydraulically cross to down-gradient of the Site):** Adjacent to the south of the Site, on the east side of Airport Road is Braydon Plaza, which included a branch of HSBC bank, a pharmacy and other retail commercial tenants; on the west side of Airport Road is a stormwater pond located to the southwest of Stonecrest Drive and Airport Road. Further south was a tributary of the West Humber River and residential dwellings; and,
- **East (inferred to be hydraulically down-gradient of the Site):** East of the Site was generally comprised of residential properties and two tributaries of the West Humber River.

During the Site visit, no ground-surface staining and/or distressed vegetation, which might indicate the presence of subsurface impact, were observed within the Study Area.

A photographic record of the reconnaissance is provided in Appendix B.

5.1 Waste Generation and Handling

Waste generation and handling practices at the Site are described in Table 3.

Table 3: Waste Generation and Handling

Item	Details
Solid waste typical of roadways operations	Solid wastes are typically non-hazardous waste and are generated in small amounts from vehicle and personnel traffics at the Site.
Other solid waste or sludge	None observed.
Sewage and grey water	Municipal sanitary sewer lines were observed to be present within the Site.
Other wastewater or liquid waste	Wastewater from the Site is discharged to the municipal system which included Storm Water Ponds.
Hazardous waste and O. Reg. 347 Waste Generator registration	The Site was not listed under hazardous waste generator database. Study Area waste generation comprise pathological and pharmaceutical wastes.
Lagoons, drains, sumps, pits, oil-water separators	Two stormwater ponds are located on the west of the Site. Two tributaries of the West Humber River traverse the Site from west to the east by culvert conduits.
Process vents	None observed.
Other air emissions	None observed.

Item	Details
Strong, noxious, or pungent odours	No strong, pungent, or noxious odours were identified.

6.0 ISSUES OF POTENTIAL ENVIRONMENTAL CONCERNS

The following table provides a summary of issues of potential environmental concern identified based on the records review and field reconnaissance. The locations of issues of potential environmental concern are included on Figure 1. Included in Table 4 is a risk ranking for each of the identified issues (i.e., a ranking of low, moderate or high potential for subsurface contamination). The following were considered when selecting the ranking for each issue:

Low-Risk Ranking:

- The issue of potential environmental concern is not located directly in or immediately adjacent to the Site;
- Contaminants are likely limited in extent and likely only present in surficial soil;
- Migration, exposure pathways and receptors are likely limited; and/or,
- Impacts can likely be easily managed prior to or during construction.

Moderate Risk Ranking:

- The issue of potential environmental concern is located directly in or immediately adjacent to the Site;
- Contaminants are likely to be present across a large portion of the property at which the issue of potential environmental concern was identified;
- Contaminants are likely to present in soil and/or groundwater;
- Migration, exposure pathways and/or receptors may be present; and/or,
- Impacts would need to be assessed and addressed prior to acquisition, design and/or construction.

High-Risk Ranking:

- The issue of potential environmental concern is located directly in or immediately adjacent to the Site;
- Contaminants are likely widespread across the site;
- Contaminants are likely to present in soil and groundwater;
- Impacts are likely mobile and migrating across, onto and/or off-site;
- Source of impacts is likely still present;
- There are several receptors and exposure pathways; and/or,
- Impacts would need to be assessed and addressed prior to acquisition, design and/or construction.

Table 4: Summary of Identified Issues of Potential Environmental Concern

ID (Fig 1)	Property/Activity of Potential Environmental Concern	Location	Comments/observations	Risk Ranking	Information Sources
1	Diesel spills	Off-Site: at intersection of Airport Road and Countryside Drive (adjacent to the east of the Site)	A release of 400 L of diesel from a tank truck accident (operator error) to ditch was reported at this intersection in 2004; environmental impact causing soil contamination was listed as possible.	Low	EcoLog Eris: Ontario Spills Database

The issues of potential environmental concern (“IPECs”) are included on Figure 1.

7.0 KEY FINDINGS AND RECOMMENDATIONS

Based on the findings of the COS, no high-risk issues of potential environmental concern with the potential for subsurface impacts on the Site were identified. The following moderate to low risks were identified:

- A low risk was identified from an accidental spill of 400 L of diesel from a tanker truck due to operator error to a ditch at the intersection of Airport Road and Countryside Drive (adjacent to the east of the Site) in 2004.

Based on the proposed improvements and the above findings, the following preliminary recommendation is provided:

- Limited subsurface sampling was completed at the Site in 2019, which included the submission of eight soil samples for the analysis of metals, inorganics, VOCs, PAHs, PHCs and PCBs. The results indicated that the levels of EC and SAR exceeded the Table 1 Standards at eight locations, and the Table 3 Standards at seven locations; these impacts were inferred to likely be associated with the application of de-icing salts which are commonly used on roadways. In addition, concentrations of PHCs (F3 and F4) exceeded Table 1 and/or Table 3 Standards at three locations. It is noted that none of the exceedances were present in the vicinity of the Airport Road and Countryside Drive intersection, but there were no samples analyzed from within the intersection. The closest sample with a PHC exceedance was noted approximately 200 m south of the intersection. The source and distribution of the PHC impacts identified at the three locations are unknown, and it is noted that additional sampling and analysis in these areas may be undertaken to gain a better understanding of the nature of the impacts and the quantity of soil that may be affected.

8.0 LIMITATIONS AND USE

This report was prepared for the exclusive use of HDR Inc. and in support with their interaction with the Regional Municipality of Peel. This report is based on data and information collected during the Contamination Overview Study of the Study Area conducted by Golder Associates Ltd. and is based solely on site conditions encountered at the time of this report supplemented by limited historical information and geological data obtained by Golder Associates, as described in this report.

This report has been prepared as part of environmental due diligence purposes and is not intended to be used as supporting documentation for a Record of Site Condition under Ontario Regulation 153/04. If a Record of Site Condition is required for the properties within the Study Area and this report is to be used as part of the supporting documentation, it must be reviewed and updated by Golder Associates Ltd. Additional environmental site assessment activities would be required to comply with Ontario Regulation 153/04.

In evaluating the site, Golder Associates Ltd. has relied in good faith on information provided by others. We accept no responsibility for any deficiency, misstatements or inaccuracies contained in this report as a result of omission, misinterpretations or fraudulent acts of the persons interviewed. Golder Associates Ltd. accepts no responsibility for any reduction in property value, either real or perceived, as a result of the reporting of the factual information herein.

It should be noted that the results of an investigation of this nature should, in no way, be construed as a warranty that the site is free from any and all contamination from past or current practices. This assessment was carried out using existing historical information as available from various agencies and no assurance is made regarding the accuracy or completeness of this information. No sampling of soil, groundwater, air emissions or gas was conducted.

9.0 CLOSURE

We trust that this report meets your immediate requirements. If you have any questions regarding the content of this report, please do not hesitate to contact this office.

Signature Page

Golder Associates Ltd.



Jennifer Stenson, B.Sc.
Environmental Scientist



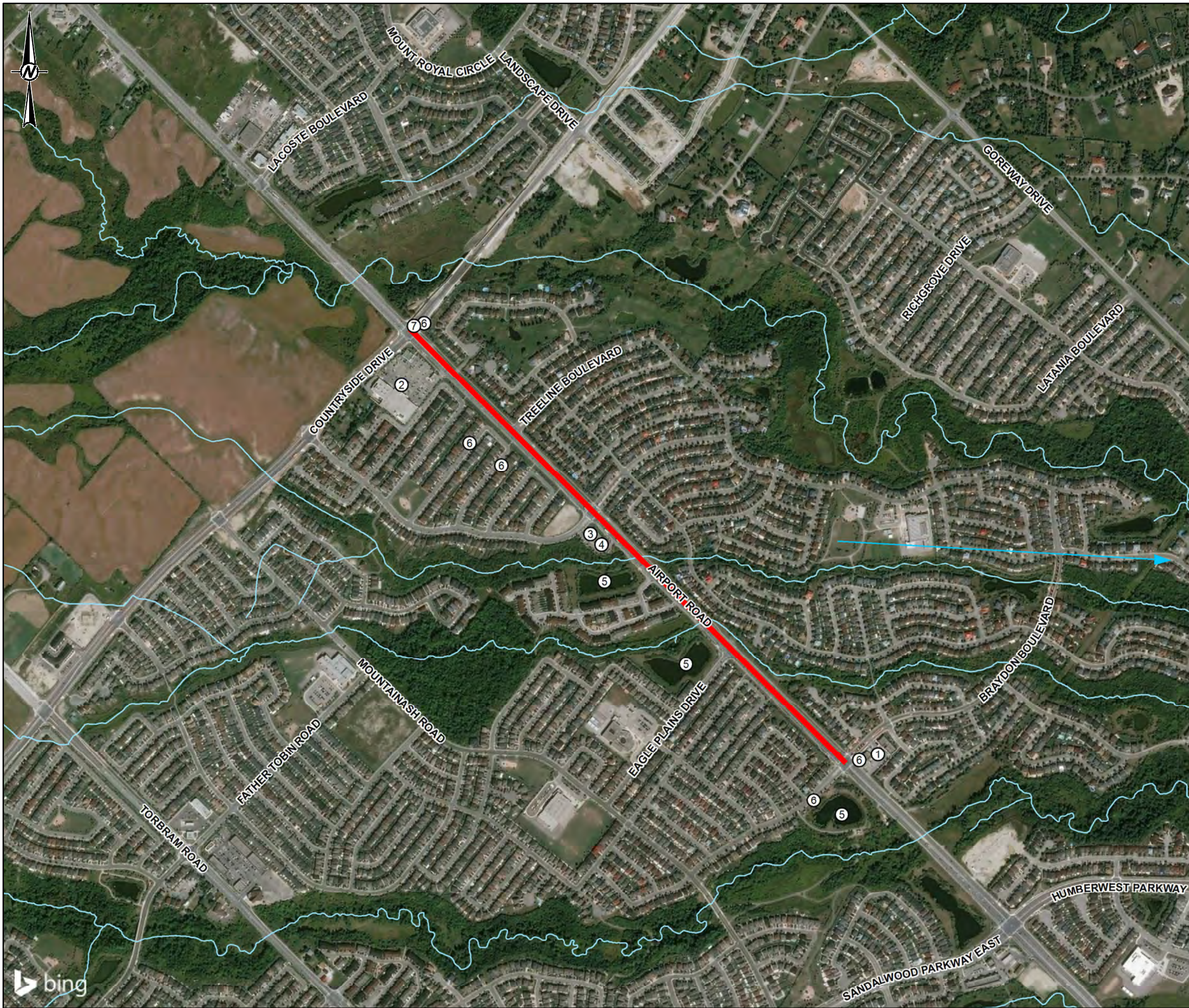
David Smyth, P.Ge., , QPESA
Principal, Senior Hydrogeologist

BM/JS/DS/lh

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[https://golderassociates.sharepoint.com/sites/13020g/5000 contaminated overview study/reports/1773654 rpt 2017'9'27 hdr contaminatedoverview-finalrev0.docx](https://golderassociates.sharepoint.com/sites/13020g/5000%20contaminated%20overview%20study/reports/1773654%20rpt%202017%27%27%20hdr%20contaminatedoverview-finalrev0.docx)

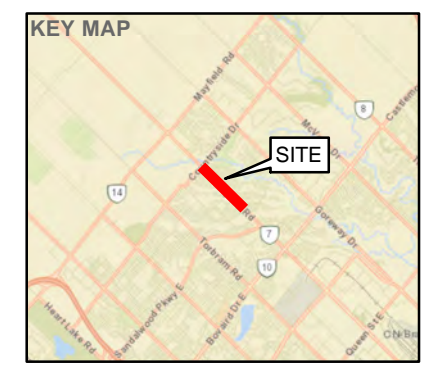
FIGURES



LEGEND

- ① SITE FEATURES
- █ SITE
- ➔ GROUNDWATER FLOW DIRECTION
- WATERCOURSE

- SITE FEATURES**
1. Braydon Plaza - 65 Braydon Boulevard
 2. Country Trails Plaza - 10990 Airport Road
 3. Multi-Commercial Property - 150 Yellow Avens Boulevard
 4. Scotiabank - 160 Yellow Avens Boulevard
 5. Stormwater Pond
 6. Pad - Mounted Transformer
 7. Approximate location of 400 L diesel release



REFERENCE(S)
 BASEDATA - MNR, LIO OBTAINED 2017
 IMAGERY - SOURCES: ESRI, HERE, GARMIN, USGS, INTERMAP, INCREMENT P, NRCAN, ESRI JAPAN, METI, ESRI CHINA (HONG KONG), ESRI KOREA, ESRI (THAILAND), NGCC, (C) OPENSTREETMAP CONTRIBUTORS, AND THE GIS USER COMMUNITY
 © 2020 MICROSOFT CORPORATION © 2020 MAXAR © CNES (2020) DISTRIBUTION AIRBUS DS
 COORDINATE SYSTEM: NAD 1983 UTM ZONE 17N
 PROJECTION: TRANSVERSE MERCATOR
 DATUM: NORTH AMERICAN 1983

CLIENT
 HDR INC.

PROJECT
 CONTAMINATION OVERVIEW STUDY - AIRPORT ROAD FROM BRAYDON BOULEVARD TO COUNTRYSIDE DRIVE, CITY OF BRAMPTON, ONTARIO

TITLE
 SITE PLAN

CONSULTANT	YYYY-MM-DD	2020-07-15
DESIGNED	RA	
PREPARED	RA	
REVIEWED	BMD	
APPROVED	####	

Path: S:\Clients\HDR_Corporation\Brampton\089_PROJ\1773654\001_AirportRD_Brampton\089_CountryTrails\1773654-001-18-0001.mxd

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM 28mm

APPENDIX A

EcoLog ERIS and OPTA Reports

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



DATABASE REPORT

Project Property: *Airport Road between Braydon
Boulevard/Stonecrest Drive and
Countryside Drive
Airport Road
Brampton ON
1773564 (5000)*

Project No: *1773564 (5000)*

Report Type: *Quote - Custom-Build Your Own Report*

Order No: *20170511246*

Requested by: *Golder Associates Ltd.*

Date Completed: *May 17, 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: *Airport Road between Braydon Boulevard/Stonecrest Drive and Countryside Drive
Airport Road Brampton ON*

Project No: *1773564 (5000)*

Order Information:

Order No: *20170511246*

Date Requested: *May 11, 2017*

Requested by: *Golder Associates Ltd.*

Report Type: *Quote - Custom-Build Your Own Report*

Additional Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	N	-	-	-
AGR	<i>Aggregate Inventory</i>	N	-	-	-
AMIS	<i>Abandoned Mine Information System</i>	N	-	-	-
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	N	-	-	-
BORE	<i>Borehole</i>	N	-	-	-
CA	<i>Certificates of Approval</i>	N	-	-	-
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	N	-	-	-
CNG	<i>Compressed Natural Gas Stations</i>	N	-	-	-
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	N	-	-	-
CONV	<i>Compliance and Convictions</i>	N	-	-	-
CPU	<i>Certificates of Property Use</i>	N	-	-	-
DRL	<i>Drill Hole Database</i>	N	-	-	-
EASR	<i>Environmental Activity and Sector Registry</i>	N	-	-	-
EBR	<i>Environmental Registry</i>	N	-	-	-
ECA	<i>Environmental Compliance Approval</i>	N	-	-	-
EEM	<i>Environmental Effects Monitoring</i>	N	-	-	-
EHS	<i>ERIS Historical Searches</i>	N	-	-	-
EIS	<i>Environmental Issues Inventory System</i>	N	-	-	-
EMHE	<i>Emergency Management Historical Event</i>	N	-	-	-
EXP	<i>List of TSSA Expired Facilities</i>	N	-	-	-
FCON	<i>Federal Convictions</i>	N	-	-	-
FCS	<i>Contaminated Sites on Federal Land</i>	N	-	-	-
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	N	-	-	-
FST	<i>Fuel Storage Tank</i>	N	-	-	-
FSTH	<i>Fuel Storage Tank - Historic</i>	N	-	-	-
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	11	11
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	N	-	-	-
HINC	<i>TSSA Historic Incidents</i>	N	-	-	-
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	N	-	-	-
INC	<i>TSSA Incidents</i>	N	-	-	-
LIMO	<i>Landfill Inventory Management Ontario</i>	N	-	-	-
MINE	<i>Canadian Mine Locations</i>	N	-	-	-
MNR	<i>Mineral Occurrences</i>	N	-	-	-
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	N	-	-	-

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
NCPL	<i>Non-Compliance Reports</i>	N	-	-	-
NDFT	<i>National Defense & Canadian Forces Fuel Tanks</i>	N	-	-	-
NDSP	<i>National Defense & Canadian Forces Spills</i>	N	-	-	-
NDWD	<i>National Defence & Canadian Forces Waste Disposal Sites</i>	N	-	-	-
NEBI	<i>National Energy Board Pipeline Incidents</i>	N	-	-	-
NEBW	<i>National Energy Board Wells</i>	N	-	-	-
NEES	<i>National Environmental Emergencies System (NEES)</i>	N	-	-	-
NPCB	<i>National PCB Inventory</i>	N	-	-	-
NPRI	<i>National Pollutant Release Inventory</i>	N	-	-	-
OGW	<i>Oil and Gas Wells</i>	N	-	-	-
OOGW	<i>Ontario Oil and Gas Wells</i>	N	-	-	-
OPCB	<i>Inventory of PCB Storage Sites</i>	N	-	-	-
ORD	<i>Orders</i>	Y	0	0	0
PAP	<i>Canadian Pulp and Paper</i>	N	-	-	-
PCFT	<i>Parks Canada Fuel Storage Tanks</i>	N	-	-	-
PES	<i>Pesticide Register</i>	N	-	-	-
PINC	<i>TSSA Pipeline Incidents</i>	N	-	-	-
PRT	<i>Private and Retail Fuel Storage Tanks</i>	Y	0	0	0
PTTW	<i>Permit to Take Water</i>	N	-	-	-
REC	<i>Ontario Regulation 347 Waste Receivers Summary</i>	N	-	-	-
RSC	<i>Record of Site Condition</i>	Y	0	3	3
RST	<i>Retail Fuel Storage Tanks</i>	Y	0	0	0
SCT	<i>Scott's Manufacturing Directory</i>	N	-	-	-
SPL	<i>Ontario Spills</i>	Y	0	3	3
SRDS	<i>Wastewater Discharger Registration Database</i>	N	-	-	-
TANK	<i>Anderson's Storage Tanks</i>	N	-	-	-
TCFT	<i>Transport Canada Fuel Storage Tanks</i>	N	-	-	-
VAR	<i>TSSA Variances for Abandonment of Underground Storage Tanks</i>	N	-	-	-
WDS	<i>Waste Disposal Sites - MOE CA Inventory</i>	N	-	-	-
WDSH	<i>Waste Disposal Sites - MOE 1991 Historical Approval Inventory</i>	N	-	-	-
WWIS	<i>Water Well Information System</i>	N	-	-	-
Total:			0	17	17

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
1	SPL	ENBRIDGE CONSUMERS GAS INC.	GAS MAIN @ AIRPORT ROAD AND BROCK STREET, BRAMPTON NATURAL GAS PIPELINE BRAMPTON CITY ON	NW/0.3	3.03	13
2	SPL		Intersection of Airport Rd and Countryside Drive Mississauga ON	NW/0.3	10.07	13
3	RSC	678604 ONTARIO INC.	Airport Road Brampton, Ontario ON	NW/4.5	9.91	13
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	SE/115.4	-4.09	14
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	SE/115.4	-4.09	14
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	SE/115.4	-4.09	15
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	SE/115.4	-4.09	15
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	SE/115.4	-4.09	15
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	SE/115.4	-4.09	16
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON	SE/115.4	-4.09	16
4	GEN	Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P1S4	SE/115.4	-4.09	16
4	GEN	braydon dental care	65 braydon blvd. unit 8 Brampton ON L6P2S4	SE/115.4	-4.09	17
5	GEN	Devinder Singh Pharmacy Ltd.	10970 AIRPORT ROAD, UNIT B BRAMPTON ON	WNW/151.6	10.11	17
5	GEN	Devinder Singh Pharmacy Ltd.	10970 AIRPORT ROAD, UNIT B BRAMPTON ON L6R 0E1	WNW/151.6	10.11	17
6	RSC	Monarch Corporation	Brampton (No municipal address) ON	NW/223.3	-0.49	17
7	RSC	Georgian Country Trails Inc.	No Municipal Address ON	WNW/229.3	7.88	18
8	SPL		10417 Airport Rd S21 RESIDENCE<UNOFFICIAL> Brampton ON L6P 0Y3	SE/242.7	-8.89	18

Executive Summary: Summary By Data Source

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Sep 2016 has found that there are 11 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P1S4	115.4	<u>4</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON	115.4	<u>4</u>
braydon dental care	65 braydon blvd. unit 8 Brampton ON L6P2S4	115.4	<u>4</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	115.4	<u>4</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	115.4	<u>4</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	115.4	<u>4</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	115.4	<u>4</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	115.4	<u>4</u>
Phoenix Pharmacy Inc	3 - 65 Braydon Blvd Brampton ON L6P 2S4	115.4	<u>4</u>
Devinder Singh Pharmacy Ltd.	10970 AIRPORT ROAD, UNIT B BRAMPTON ON	151.6	<u>5</u>
Devinder Singh Pharmacy Ltd.	10970 AIRPORT ROAD, UNIT B BRAMPTON ON L6R 0E1	151.6	<u>5</u>

RSC - Record of Site Condition

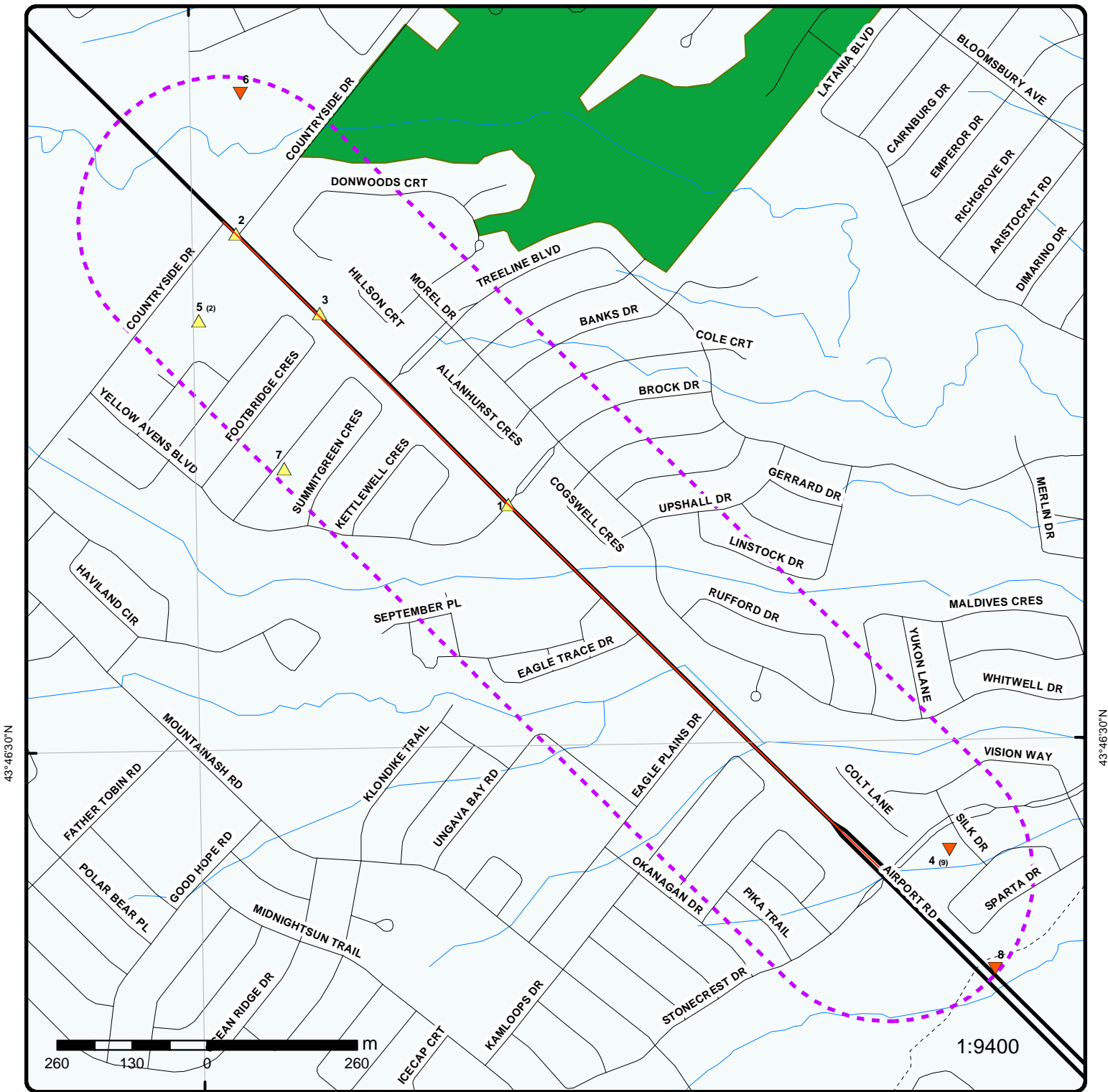
A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Dec 2016 has found that there are 3 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
678604 ONTARIO INC.	Airport Road Brampton, Ontario ON	4.5	<u>3</u>
Monarch Corporation	Brampton (No municipal address) ON	223.3	<u>6</u>
Georgian Country Trails Inc.	No Municipal Address ON	229.3	<u>7</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Dec 2016 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
ENBRIDGE CONSUMERS GAS INC.	GAS MAIN @ AIRPORT ROAD AND BROCK STREET, BRAMPTON NATURAL GAS PIPELINE BRAMPTON CITY ON	0.3	<u>1</u>
	Intersection of Airport Rd and Countryside Drive Mississauga ON	0.3	<u>2</u>
	10417 Airport Rd S21 RESIDENCE<UNOFFICIAL> Brampton ON L6P 0Y3	242.7	<u>8</u>



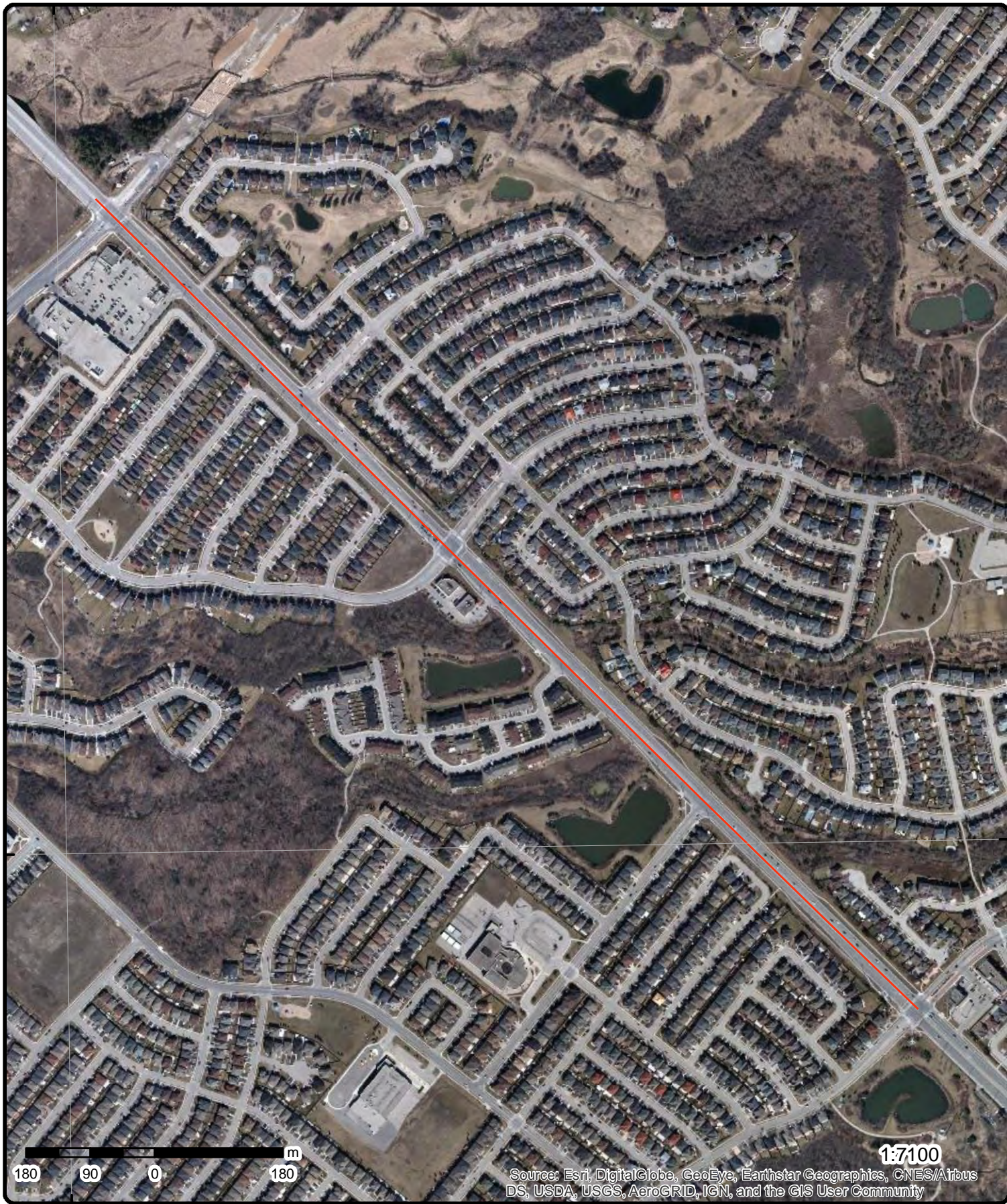
Map : 0.25 Kilometer Radius

Order No: 20170511246

Address: Airport Road, Brampton, ON



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



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Aerial

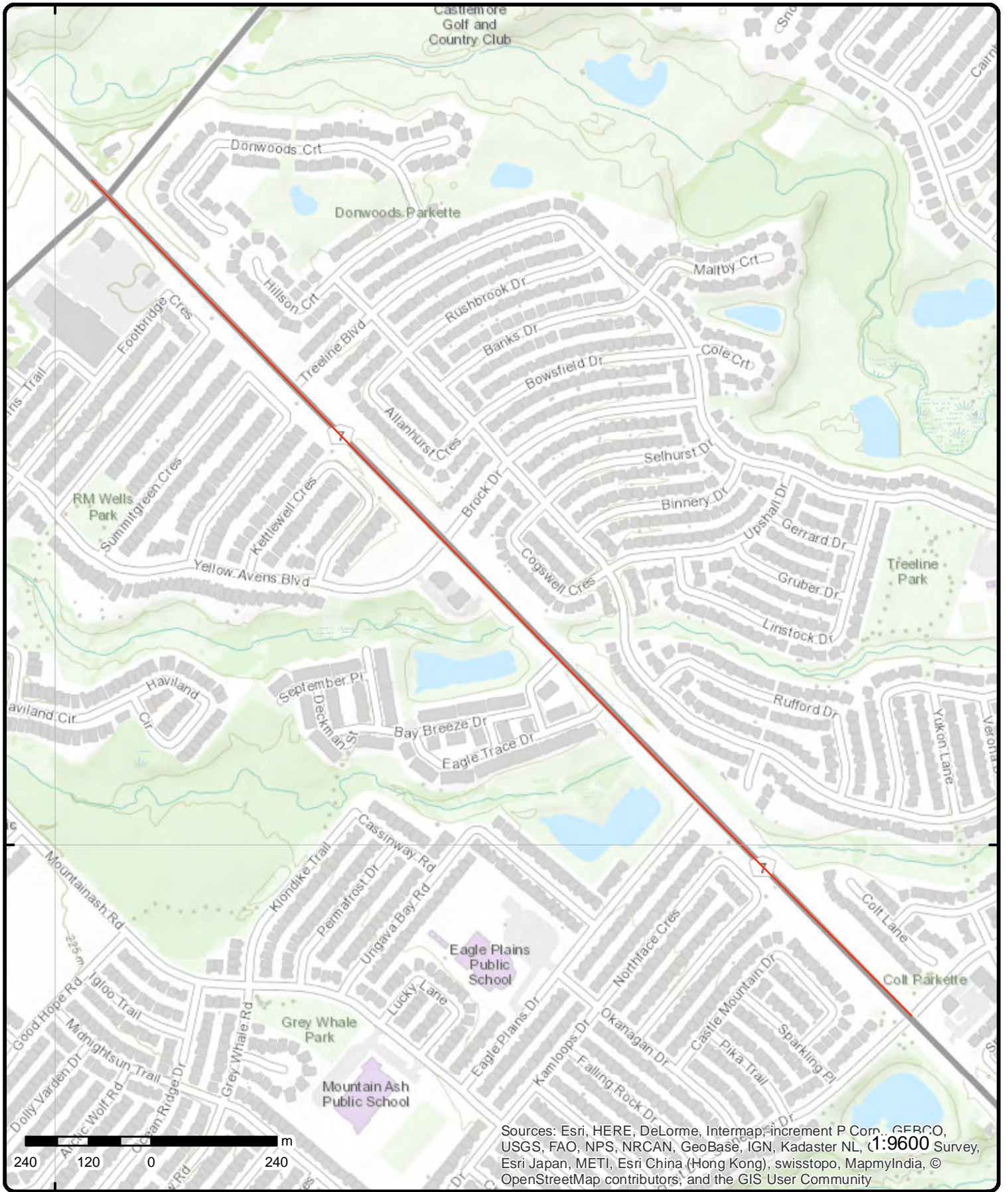
Address: Airport Road, Brampton, ON

Source: ESRI World Imagery

Order No: 20170511246



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Sources: Esri, HERE, DeLorme, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, (1:9600 Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

Topographic Map

Address: Airport Road, Brampton, ON

Source: ESRI World Topographic Map

Order No: 20170511246



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	NW/0.3	218.0	ENBRIDGE CONSUMERS GAS INC. GAS MAIN @ AIRPORT ROAD AND BROCK STREET, BRAMPTON NATURAL GAS PIPELINE BRAMPTON CITY ON	SPL
Ref No: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality:		195752 PIPE/HOSE LEAK 2/28/2001 DAMAGE BY MOVING EQUIPMENT ENBRIDGE: BREAK IN THE 4 INCH MAIN. RESPONDING WILL SHUT DOWN & REPAIR. 2/28/2001 Possible Air Pollution Air 21101			
2	1 of 1	NW/0.3	225.0	Intersection of Airport Rd and Countryside Drive Mississauga ON	SPL
Ref No: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Receiving Environment: Incident Event: Site Municipality:		1284-655NXR 13 DIESEL FUEL 400 L Other Transport Accident 9/24/2004 Error- Operator error Airport Rd/Countryside Dr - 400L diesel in ditch 9/24/2004 Possible Soil Contamination Land Notification; Spill to Land Tank Truck Mississauga			
3	1 of 1	NW/4.5	224.9	678604 ONTARIO INC. Airport Road Brampton, Ontario ON	RSC
Registration No: RSC Type: Restoration Type: Date Submitted: Date Acknowledg.:		2961 17-Mar-06			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Certification Date:		21-Feb-05			
Date Returned:					
Soil Type:					
Criteria:					
Current Property Use:		Agriculture/Other			
Certificate Prop Use No:		No CPU			
Intended Prop Use:		Residential			
Applicable Standards:		Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use			
Stratified (Y/N):					
Consultant:					
District Office:		BRAMPTON			
Property Municipal Address:		Airport Road Brampton, Ontario			
Legal Description:		Part of the East Half of Lot 15, 6th Concession East of Hurontario Street, City of Brampton Regional Municipality of Peel (Formerly in the Township of Chinguacousy) Registry Office for the Regional Municipality of Peel As set out in Instrument No. 762982-page 2			
Prop. Identification No:		14221-0008 (LT)			
Entire legal prop. (y/n):		Yes			
UTM Coordinates:		NAD83 17-600800-4848400			
Latitude & Longitude:		43.78179280N 79.74732260W (converted from UTM)			
Accuracy Estimate:		21 to 100 meters			
Measurement Method:		Interpolation from a map			
CPU Issued Sect 1686:		No			

<u>4</u>	1 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON L6P 2S4	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON9848815			
Approval Yrs.:		As of May 2015			
SIC Code:					
SIC Description:					
--Details--					
Waste Code:		312			
Waste Description:		Pathological wastes			
Waste Code:		261			
Waste Description:		Pharmaceuticals			

<u>4</u>	2 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON L6P 2S4	GEN
PO Box Num:					
Status:					
Country:					
Generator #:		ON9848815			
Approval Yrs.:		07,08			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--Details--					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	3 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON L6P 2S4	GEN
PO Box Num: Status: Country: Generator #: ON9848815 Approval Yrs:: 2009 SIC Code: 621110 SIC Description: Offices of Physicians					
--Details--					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
4	4 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON L6P 2S4	GEN
PO Box Num: Status: Country: Generator #: ON9848815 Approval Yrs:: 2010 SIC Code: 621110 SIC Description: Offices of Physicians					
--Details--					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					
4	5 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON L6P 2S4	GEN
PO Box Num: Status: Country: Generator #: ON9848815 Approval Yrs:: 2011 SIC Code: 621110 SIC Description: Offices of Physicians					
--Details--					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	6 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON L6P 2S4	GEN
PO Box Num: Status: Country: Generator #: ON9848815 Approval Yrs.: 2012 SIC Code: 621110 SIC Description: Offices of Physicians					
--Details--					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
4	7 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON	GEN
PO Box Num: Status: Country: Generator #: ON9848815 Approval Yrs.: 2013 SIC Code: 621110 SIC Description: OFFICES OF PHYSICIANS					
--Details--					
Waste Code: 312					
Waste Description: PATHOLOGICAL WASTES					
Waste Code: 261					
Waste Description: PHARMACEUTICALS					
4	8 of 9	SE/115.4	210.9	Phoenix Pharmacy Inc 3 - 65 Braydon Blvd Brampton ON L6P1S4	GEN
PO Box Num: Status: Registered Country: Canada Generator #: ON9848815 Approval Yrs.: As of Sep 2016 SIC Code: SIC Description:					
--Details--					
Waste Code: 261 A					
Waste Description: Pharmaceuticals					
Waste Code: 312 P					
Waste Description: Pathological wastes					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
4	9 of 9	SE/115.4	210.9	braydon dental care 65 braydon blvd. unit 8 Brampton ON L6P2S4	GEN
PO Box Num: Status: Registered Country: Canada Generator #: ON7394266 Approval Yrs.: As of Sep 2016 SIC Code: SIC Description:					
--Details--					
Waste Code: 312 P					
Waste Description: Pathological wastes					
5	1 of 2	WNW/151.6	225.1	Devinder Singh Pharmacy Ltd. 10970 AIRPORT ROAD, UNIT B BRAMPTON ON	GEN
PO Box Num: Status: Country: Generator #: ON6900404 Approval Yrs.: As of May 2015 SIC Code: SIC Description:					
--Details--					
Waste Code: 312					
Waste Description: Pathological wastes					
5	2 of 2	WNW/151.6	225.1	Devinder Singh Pharmacy Ltd. 10970 AIRPORT ROAD, UNIT B BRAMPTON ON L6R 0E1	GEN
PO Box Num: Status: Registered Country: Canada Generator #: ON6900404 Approval Yrs.: As of Sep 2016 SIC Code: SIC Description:					
--Details--					
Waste Code: 261 A					
Waste Description: Pharmaceuticals					
Waste Code: 312 P					
Waste Description: Pathological wastes					
6	1 of 1	NW/223.3	214.5	Monarch Corporation Brampton (No municipal address) ON	RSC
Registration No: 48113 RSC Type:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Restoration Type: Date Submitted: 23-Mar-09 Date Acknowledg.: Certification Date: 18-Feb-09 Date Returned: Soil Type: Criteria: Current Property Use: Agriculture/Other Certificate Prop Use No: No CPU Intended Prop Use: Residential Applicable Standards: ESA Phase 1 Stratified (Y/N): Consultant: District Office: BRAMPTON Property Municipal Address: Brampton (No municipal address) Legal Description: PT LT 16 CON 7 ND TOR. GORE DES PTS 2, 3 PL 43R-31731 SAVE AND EXCEPT PT 1 PL 43R-32306; BRAMPTON; S/T EASMENT IN FAVOUR OF THE CORPORATION OF THE CITY OF BRAMPTON OVER PT LT 16 CON 7 ND TOR. GORE DES PT 3 PL 43R-31731, AS IN PR599335 Prop. Identification No: 14219 - 1748 LT Entire legal prop. (y/n): Yes UTM Coordinates: NAD83 17-600663-4848781 Latitude & Longitude: 43.78524110N 79.74895320W (converted from UTM) Accuracy Estimate: 21 to 100 meters Measurement Method: Digitized from a satellite image CPU Issued Sect 1686: No					
7	1 of 1	WNW/229.3	222.8	Georgian Country Trails Inc. No Municipal Address ON	RSC
Registration No: 45246 RSC Type: Restoration Type: Date Submitted: 7-Aug-08 Date Acknowledg.: Certification Date: 29-May-08 Date Returned: Soil Type: Criteria: Current Property Use: Agriculture/Other Certificate Prop Use No: No CPU Intended Prop Use: Residential Applicable Standards: ESA Phase 1 Stratified (Y/N): Consultant: District Office: BRAMPTON Property Municipal Address: No Municipal Address Legal Description: PT LT 15 CON 6 EHS (CHING) DES PT 1 PL 43R29237 BRAMPTON (PIN 14221-2412) and PT LT 15 CON 6 EHS (CHING) DES PT 1 PL 43R29238 BRAMPTON (PIN 14221-2413) and PT LT 15 CON 6 EHS (CHING) DES PT 1 PL 43R29246 BRAMPTON (PIN 14221-2414) and PT LT 15 CON 6 EHS CHINGUACOUSY DES PT 1 PL 43R-25554; SAVE AND EXCEPT PT 1 PL 43R-29336; BRAMPTON (PIN 14221-2438) This RSC applies only to PT LT 15 CON 6 EHS (CHING) DES PT 1 PL 43R29246 BRAMPTON Prop. Identification No: 14221-2412 and 14221-2413 and 14221-2414 and 14221-2438. This RSC applies only to 14221-2414. Entire legal prop. (y/n): No UTM Coordinates: NAD83 17-600739-4848131 Latitude & Longitude: 43.77937960N 79.74813100W (converted from UTM) Accuracy Estimate: 21 to 100 meters Measurement Method: Digitized from a satellite image CPU Issued Sect 1686: No					
8	1 of 1	SE/242.7	206.1	10417 Airport Rd S21 RESIDENCE<UNOFFICIAL>	SPL

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
<i>Brampton ON L6P 0Y3</i>					
Ref No:		7470-6TYPZG			
Contaminant Code:		98			
Contaminant Name:		not specified			
Contaminant Quantity:		not specified unknown			
Incident Cause:					
Incident Dt:		9/25/2006			
Incident Reason:					
Incident Summary:		Brampton: illegal dumping @ 10417 Airport Rd.			
MOE Reported Dt:		9/25/2006			
Environmental Impact:		Not Anticipated			
Nature of Impact:		Other Impact(s)			
Receiving Medium:		Land & Water			
SAC Action Class:					
Sector Source Type:		Other			
Receiving Environment:					
Incident Event:					
Site Municipality:		Brampton			

Unplottable Summary

Total: **16** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
GEN	GO CAMPING 150	17- R.R. #4 HWY. 7 E. OF AIRPORT RD.	BRAMPTON ON	L6T 3S1
GEN	GO CAMPING	R.R. #4 HWY. 7 E. OF AIRPORT RD.	BRAMPTON ON	L6T 3S1
PRT	CRUISE CANADA INC	UNKNOWN - RR 8 #7 HWY W OF #50 S/RD	BRAMPTON ON	L6T3Y7
PRT	GO VACATIONS CANADA INC	HWY 7	BRAMPTON ON	
RSC		0 HIGHWAY 7 WEST (CHINGUACOUSY), BRAMPTON, ON L6X 0Y6	Brampton ON	
RSC		0 COUNTRYSIDE DRIVE, BRAMPTON, ON L6R 0V6	Brampton ON	
RSC		0 COUNTRYSIDE DRIVE, BRAMPTON, ON L6V 2K6	Brampton ON	
SPL	OK Transportation<UNOFFICIAL>	AIRPORT ROAD NORTHBOUND, JUST SOUTH OF STEELES AVE.<UNOFFICIAL>	Brampton ON	
SPL	TRIMAC	HWY #7, AT PEEL BLOCK FUEL TANK AREA TANK TRUCK (CARGO)	BRAMPTON CITY ON	
SPL		Countryside Drive	Brampton ON	
SPL		in ditch beside Countryside Dr. between Hart Lake Rd. & Dixie Rd. <UNOFFICIAL>	Brampton ON	
SPL	PRIVATE OWNER	AIRPORT ROAD SOUTH OF CHARLSTON IN DITCH. MOTOR VEHICLE (OPERATING FLUID)	BRAMPTON CITY ON	
SPL		Airport Road, south of Mayfield Rd. WEST HUMBER RIVER<UNOFFICIAL>	Brampton ON	
SPL	Tesla Environmental Services Inc.	at Airport Rd.	Brampton ON	
SPL	Democrat Homes	Behind Lot 14, or 17 Potterswheel Gate West of Vankirk	Brampton ON	
SPL	TRANSPORT TRUCK	AIRPORT ROAD - BETWEEN STEELES AND HIGHWAY 7 MOTOR VEHICLE (OPERATING FLUID)	BRAMPTON CITY ON	

Unplottable Report

Site: GO CAMPING 17-150
R.R. #4 HWY. 7 E. OF AIRPORT RD. BRAMPTON ON L6T 3S1

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0885500
Approval Yrs:: 92,93,94,95,96,97,98
SIC Code: 3243
SIC Description: NONCOMMERICAL TRAIL.

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

Site: GO CAMPING
R.R. #4 HWY. 7 E. OF AIRPORT RD. BRAMPTON ON L6T 3S1

Database:
GEN

PO Box Num:
Status:
Country:
Generator #: ON0885500
Approval Yrs:: 86,87,88,89,90
SIC Code: 3243
SIC Description: NONCOMMERICAL TRAIL.

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

Site: CRUISE CANADA INC
UNKNOWN - RR 8 #7 HWY W OF #50 S/RD BRAMPTON ON L6T3Y7

Database:
PRT

Location ID: 18888
Type: retail
Expiry Date: 1993-01-31
Capacity (L): 2000
Licence #: 0076351899

Site: GO VACATIONS CANADA INC
HWY 7 BRAMPTON ON

Database:
PRT

Location ID: 1935
Type: retail
Expiry Date: 1991-01-31
Capacity (L): 1000
Licence #: 0023347001

Site: 0 HIGHWAY 7 WEST (CHINGUACOUSY), BRAMPTON, ON L6X 0Y6 Brampton ON

Database:
RSC

Registration No: 215046
RSC Type: Phase 1 and 2 RSC
Restoration Type:
Date Submitted: 2014/10/22
Date Acknowledg.:
Certification Date:
Date Returned:
Soil Type:
Criteria:
Current Property Use:
Certificate Prop Use No:
Intended Prop Use:
Applicable Standards:
Stratified (Y/N):
Consultant:
District Office: Halton-Peel District Office
Property Municipal Address: 0 HIGHWAY 7 WEST (CHINGUACOUSY), BRAMPTON, ON L6X 0Y6
Legal Description:
Prop. Identification No:
Entire legal prop. (y/n):
UTM Coordinates:
Latitude & Longitude:
Accuracy Estimate:
Measurement Method:
CPU Issued Sect 1686:

Site: 0 COUNTRYSIDE DRIVE, BRAMPTON, ON L6R 0V6 Brampton ON

Database:
RSC

Registration No: 207608
RSC Type: Phase 1 RSC
Restoration Type:
Date Submitted: 2013/03/26
Date Acknowledg.:
Certification Date:
Date Returned:
Soil Type:
Criteria:
Current Property Use:
Certificate Prop Use No:
Intended Prop Use:
Applicable Standards:
Stratified (Y/N):
Consultant:
District Office: Halton-Peel District Office
Property Municipal Address: 0 COUNTRYSIDE DRIVE, BRAMPTON, ON L6R 0V6
Legal Description:
Prop. Identification No:
Entire legal prop. (y/n):
UTM Coordinates:
Latitude & Longitude:
Accuracy Estimate:
Measurement Method:
CPU Issued Sect 1686:

Site: 0 COUNTRYSIDE DRIVE, BRAMPTON, ON L6V 2K6 Brampton ON

Database:
RSC

Registration No: 214707
RSC Type: Phase 1 and 2 RSC
Restoration Type:
Date Submitted: 2014/10/15
Date Acknowledg.:
Certification Date:
Date Returned:
Soil Type:

Criteria:

Current Property Use:

Certificate Prop Use No:

Intended Prop Use:

Applicable Standards:

Stratified (Y/N):

Consultant:

District Office: Halton-Peel District Office

Property Municipal Address: 0 COUNTRYSIDE DRIVE, BRAMPTON, ON L6V 2K6

Legal Description:

Prop. Identification No:

Entire legal prop. (y/n):

UTM Coordinates:

Latitude & Longitude:

Accuracy Estimate:

Measurement Method:

CPU Issued Sect 1686:

Site: **OK Transportation<UNOFFICIAL>**
AIRPORT ROAD NORTHBOUND, JUST SOUTH OF STEELES AVE.<UNOFFICIAL> Brampton ON

Database:
SPL

Ref No: 4380-6N6JYX
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Quantity: 55 kg
Incident Cause: Other Discharges
Incident Dt: 3/23/2006
Incident Reason: Other - Reason not otherwise defined
Incident Summary: OK Trans: 55 kg oil drum leak, Airport Rd
MOE Reported Dt: 3/23/2006
Environmental Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Other Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Brampton

Site: **TRIMAC**
HWY #7, AT PEEL BLOCK FUEL TANK AREA TANK TRUCK (CARGO) BRAMPTON CITY ON

Database:
SPL

Ref No: 15554
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 3/7/1989
Incident Reason: EQUIPMENT FAILURE
Incident Summary: TRIMAC LTD - TANKER TRUCK45 LITRES BUNKER SPILL TO GROUND
MOE Reported Dt: 3/7/1989
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 21101

Site: **Countryside Drive Brampton ON**

Database:
SPL

Ref No: 0655-78L9DN

Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 13.63 l
Incident Cause: Other Transport Accident
Incident Dt:
Incident Reason: Spill
Incident Summary: truck rollover, fuel and oil to ground and ditch, contained
MOE Reported Dt: 11/3/2007
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination; Surface Water Pollution; Vegetation Damage
Receiving Medium: Land & Water
SAC Action Class:
Sector Source Type: Other Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Brampton

Site: *in ditch beside Countryside Dr. between Hart Lake Rd. & Dixie Rd. <UNOFFICIAL> Brampton ON*

Database:
[SPL](#)

Ref No: 6878-6APTYP
Contaminant Code:
Contaminant Name: USED MOTOR OIL
Contaminant Quantity:
Incident Cause:
Incident Dt:
Incident Reason:
Incident Summary: Source unk. - 25 L of oil to ditch.
MOE Reported Dt: 3/21/2005
Environmental Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: Brampton

Site: *PRIVATE OWNER
AIRPORT ROAD SOUTH OF CHARLSTON IN DITCH. MOTOR VEHICLE (OPERATING FLUID) BRAMPTON CITY ON*

Database:
[SPL](#)

Ref No: 119650
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: TRUCK/TRAILER OVERTURN
Incident Dt: 10/14/1995
Incident Reason: ERROR
Incident Summary: PRIVATE OWNER-10 L OF DIESEL TO DITCH. CLEANED.
MOE Reported Dt: 10/14/1995
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 21101

Site: *Airport Road, south of Mayfield Rd. WEST HUMBER RIVER<UNOFFICIAL> Brampton ON*

Database:
[SPL](#)

Ref No: 7354-6MUTF9
Contaminant Code: 43

Contaminant Name: SEDIMENT(SUSPENDED SOLIDS/ SAND/ SILT)
Contaminant Quantity: NOT SPECIFIED NOT SPECIFIED
Incident Cause: Cooling System Leak
Incident Dt: 5/31/2006
Incident Reason: Other - Reason not otherwise defined
Incident Summary: Spill of sediment to West Humber River, construction project
MOE Reported Dt: 5/31/2006
Environmental Impact: Possible
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class:
Sector Source Type: Other
Receiving Environment:
Incident Event:
Site Municipality: Loyalist

Site: *Tesla Environmental Services Inc.
at Airport Rd. Brampton ON*

Database:
[SPL](#)

Ref No: 0102-9GBVES
Contaminant Code: 15
Contaminant Name: HYDRAULIC OIL
Contaminant Quantity: 8 L
Incident Cause: Leak/Break
Incident Dt: 2014/02/14
Incident Reason: Unknown / N/A
Incident Summary: Tesla - 20 L of hydraulic oil to Hwy. 407 from truck.
MOE Reported Dt: 2014/02/14
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Highway Spills (usually highway accidents)
Sector Source Type: Truck - Tanker
Receiving Environment:
Incident Event:
Site Municipality: Brampton

Site: *Democrat Homes
Behind Lot 14, or 17 Potterswheel Gate West of Vankirk Brampton ON*

Database:
[SPL](#)

Ref No: 0051-6BWPEN
Contaminant Code:
Contaminant Name: DIESEL FUEL
Contaminant Quantity:
Incident Cause: Container Leak (Fuel Tank Barrels)
Incident Dt: 4/26/2005
Incident Reason: Negligence (Apparent) - Caused by lack of diligence
Incident Summary: Democrat Homes - 90L diesel to grd.
MOE Reported Dt: 4/29/2005
Environmental Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land & Water
SAC Action Class: Spill to Land
Sector Source Type: Other Motor Vehicle
Receiving Environment:
Incident Event:
Site Municipality: Brampton

Site: *TRANSPORT TRUCK
AIRPORT ROAD - BETWEEN STEELES AND HIGHWAY 7 MOTOR VEHICLE (OPERATING FLUID) BRAMPTON CITY
ON*

Database:
[SPL](#)

Ref No: 113088
Contaminant Code:

Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER TRANSPORTATION ACCIDENT
Incident Dt: 5/12/1995
Incident Reason: ERROR
Incident Summary: TRANSPORT TRUCK: FUEL TO ROADWAY
MOE Reported Dt: 5/12/1995
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Receiving Environment:
Incident Event:
Site Municipality: 21101

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 - Oct 2016

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 - Oct 2016

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-Mar 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-Apr 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-Apr 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](#)

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include 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.

Government Publication Date: May 31, 2014

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: June 2000-Aug 2016

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-Sep 2016

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 2016

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-Jan 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-Apr 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-Apr 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: 1986-2013

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-Dec 2016

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 - Oct 2016

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-Dec 2016

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: 1970-Mar 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: Jun 30, 2016

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 B

Site Photographs



Photo 1 – Braydon Plaza located off-site, adjacent to the south of the Site.



Photo 2 – View of a off-site pad-mounted electrical transformer owned by local utility company located on the west side of the Site.

CLIENT

HDR Inc.

PROJECT

Contamination Overview Study - Airport Road from Braydon Boulevard to Countryside Drive, City of Brampton, Ontario

CONSULTANT



YYYY-MM-DD 2017-09-11

TAKEN BY BMD

CHECKED BY

TITLE

Photographic Record

PROJECT No. 1773654 (5000)

FIGURE

C1



Photo 3 – A view of the Dry Cleaning Depot in a multi commercial property located on the west side of the Site.



Photo 4 – A view to the west side of the Site where the northern branch of Salt Creek traverses the Site through a culvert.

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Photographic Record

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FIGURE

C2



Photo 5 – A view of the northern storm water pond located on the west side of the Site.



Photo 6 – A view of the southern branch of Salt Creek and the road culvert located on the east side of the Site.

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FIGURE

C3



Photo 7 – A view to the north of the Site showing the Scotia Bank building and surrounding properties located on the west side of the Site.



Photo 8 - A view to the south showing the slope to the southern branch of Salt Creek located on the east side of the Site.

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FIGURE

C4



Photo 9 – A view of the southern storm water pond and surrounding properties located on the west side of the Site.



Photo 10 – A view to the north of the Site, showing an off-site property on the north and a pole mounted electrical transformer after Countryside Road.

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FIGURE

C5



Photo 11 - A view of the Country Trails Plaza located adjacent to the northwest of the Site.



Photo 12 - A view of the Country Trails Plaza located adjacent to the northwest of the Site showing TD Canada Trust bank and Shoppers Drug Mart.

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FIGURE

C6



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