



## York Road and Eramosa River Parks

Site Characterization Report

Guelph, Ontario

Prepared For: City of Guelph

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October 2015

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City of Guelph

MMM Group Limited  
10-14079  
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## EXECUTIVE SUMMARY

Characterization of soil, groundwater and surface water was conducted for the area known as Site 4 of the historic waste disposal sites (RWDI Air 2012) in Guelph, Ontario. Site 4 consists of three areas (Sites 4A, 4B and 4C) located in the York Road Park and the Eramosa River Park, on the north shore of the Eramosa River, extending from the confluence of the Eramosa and Speed Rivers in the west to Victoria Road South in the east.

The environmental characterization was undertaken in conjunction with hydrogeological and environmental support for the design of Phase 2 of the 1200 mm York Sanitary Trunk Sewer and 600 mm Paisley-Clythe Watermain. This report presents the data obtained in July and August 2015 to characterize the environmental conditions in relation to the historical waste disposal activities that have occurred in the area.

Based on the results of the soil and groundwater sampling, impacted fill from a former waste disposal site extends across the entire park area from the Speed River to Victoria Road South. The fill material includes soil mixed with waste, such as glass, porcelain, fiberglass, wire, metal, brick and ash as well as chemical contaminants including metals, inorganics, petroleum hydrocarbon contaminants (PHCs), polycyclic aromatic hydrocarbons (PAHs) and polychlorinated biphenyls (PCBs). The distribution of metal impacts in the soil samples collected indicate that all historical waste disposal material should be considered as contaminated. However, the distribution of PHC, PAH and PCB organic contaminants in the soil suggests separate sources rather than the migration of these contaminants from a single source.

Groundwater across the park area has been impacted predominantly by PAHs, which may be associated with sediments in the water samples. PHCs were present in the central portion of the park area and VOC impacts were noted in the central and eastern portions of the park area. The VOC impacts appear to be from two or three different sources. The groundwater at the central area of the park west of the Waterworks site has been impacted by PHCs and chlorinated solvents commonly used in industry. The industrial chlorinated solvents were also present in groundwater at the east limits of Eramosa River Park, near Victoria Street South. Groundwater in the area adjacent to the Waterworks facility was impacted by 1,4-dichlorobenzene, a contaminant that has been identified at low concentrations in wastewater effluents.

Limited impacts in groundwater from metals indicate that contaminants in soil are not leaching into groundwater. However, results of analysis of calcium, magnesium, sodium and chloride are consistent with landfill leachate.

Surface water samples from the Eramosa River recovered on June 7, 2015 at upstream and downstream limits of the parks were analyzed for field chemistry, general chemistry, total metals, VOCs and PHCs. All results were below Provincial Water Quality Guidelines of Ontario (Ministry of the Environment 1994). No VOCs or PHCs were detected in the water samples.

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## **1.0 INTRODUCTION**

### **1.1 Background**

MMM Group Limited (MMM) was retained by The City of Guelph (the City) to summarize environmental site characterization information for the area known as Site 4 of the historic waste disposal sites (RWDI Air 2012) in Guelph. Site 4 consists of three areas (Sites 4A, 4B and 4C) located in the York Road Park and the Eramosa River Park, on the north shore of the Eramosa River, extending from the confluence of the Eramosa and Speed Rivers in the west to Victoria Road South in the east (Figure 1).

In response to recommendations stemming from a 2013 investigation (RWDI Air 2013) of seeps from Site 4 along the Eramosa River, this 2015 environmental characterization was undertaken in conjunction with hydrogeological and environmental support for the design of Phase 2 of the 1200 mm York Sanitary Trunk Sewer and 600 mm Paisley-Clythe Watermain. The two services will be constructed through Site 4 and environmental sampling was conducted as part of the geotechnical investigation to characterize soil and groundwater conditions in the area of proposed construction. This report presents the data obtained in July and August 2015 to characterize the environmental conditions in relation to the historical waste disposal activities that have occurred in the area.

### **1.2 Scope of Work**

The soil and groundwater information presented in this report was obtained through sampling conducted by Amec Foster Wheeler Environment & Infrastructure (Amec Foster Wheeler), a geotechnical engineering consultant retained by the City of Guelph, to undertake a geotechnical investigation for the design of the trunk sewer and watermain. Results of the geotechnical assessment are reported separately; however, the sampling location plan figure and logs are included in this report.

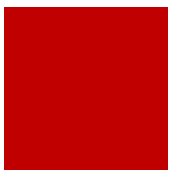
The MMM scope of work consisted of the following:

- ◆ Review historical information to assess sources of contamination;
- ◆ Direct the sampling and analysis of soil and groundwater;
- ◆ Observe field conditions during the test pitting program;
- ◆ Review and interpret soil and groundwater quality; and
- ◆ Preparation of a site characterization report.

## **2.0 EXISTING CONDITIONS**

### **2.1 Setting and Historical Background**

The Eramosa River is in a broad incised valley, which is considered a glacial spillway. The project area is located at the northern edge of the Paris/Galt moraines (Blackport et al. 2009), which are primarily composed of Wentworth Till. Wentworth Till is described as a brown/reddish silty sand to sandy silt till which is relatively coarse grained. The major aquifers present in the Paris/Galt moraines are in bedrock, the Guelph and Amabel Formations; generally the overburden aquifers are limited to meltwater sand and gravel deposits. Further it is noted that these overburden and bedrock aquifers may be connected hydraulically depending on the location. The Eramosa River floodplain is regulated area under Ontario Regulation (O. Reg.)



166/06 made under the *Conservation Authorities Act*. This area is a popular recreational area with forests and wetlands.

The York Road Park and Eramosa River Park cover a long, contiguous area on the shore of the river where the ground surface is generally flat and less than three meters above the river level. Reports prepared for the City and environmental database information obtained by MMM to identify possible sources of contamination provided an assessment of the contaminant history of the area, as follows:

### **1992 Summary of Site 4 Investigations**

A 1992 report (Gartner Lee 1992) provided a summary of previous investigations for soil, groundwater and surface water quality assessment and summarized the conditions as of a 1991 field investigation program. The report indicated that a layer of clean soil had been placed over parts of the park site in spring 1991, with soil samples recovered in June 1991 submitted for analysis of the decommissioning guideline parameters in effect at the time. Soil samples reportedly met these applicable guidelines.

Groundwater was sampled in November 1990 and April 1991 and submitted for chemical analysis of inorganic parameters such as pH, phenols, phosphorus, nitrogen, chloride and iron. Where available, results were compared to Ontario Drinking Water Objectives which were updated in 2006 (Ontario 2006). At the time of sampling, impacts were noted from chloride, iron and phenols. These standards have changed substantially since 1991, for example, phenols are no longer considered as a total and individual chemicals have been assigned standards.


Surface water from the Eramosa River was sampled at three locations in November 1990 and April 1991 and submitted for analysis of general chemistry as compared to Provincial Water Quality Objectives (Ministry of the Environment 1994). Analyzed parameters included pH, phenols, phosphorus, nitrogen, chloride, iron and suspended solids. It was noted that phenols exceeded the objective of 0.001 mg/L by three times at one location in the November sampling event and that iron and phosphorus exceeded the objectives by less than two times at another location in the April sampling event. The exceedances were attributed to typical seasonal urban runoff and it was concluded that there was no measurable difference between upstream and downstream sampling locations.

### **2012 Investigation of Historic Waste Disposal Sites**

A report describing known historical waste disposal sites in Guelph (RWDI Air 2012) identified Site 4 as being filled in three parts from 1935 to 1958. Waste materials were noted to include cinders, fly ash, brick, glass and porcelain fragments, domestic refuse (in the central portion of the alignment), lumber, charred wood, metal, wire and pieces of fabric. Investigative work conducted in the late 1980s and early 1990s identified soil, groundwater and surface water contamination as a result of the past waste disposal. A site inspection in 2012 identified seeps of leachate along the Eramosa River and areas where scouring had exposed waste material.

### **2013 Investigation of Seeps at Site 4**

In 2013, the water quality at nine seep locations was sampled and the report (RWDI Air 2013) concluded that when compared to typical leachate quality, the concentrations of contaminants in the seeps was consistent with an older waste disposal site, at least more than 15 years old. The quality of water in the seeps did exceed Provincial Water Quality Objectives (Ministry of the Environment 1994) and Ontario Drinking Water Objectives at several locations and it was concluded that there could be a detrimental effect to the quality of the surface water in the Eramosa River; however this would depend on the overall mass balance of contaminants in the



groundwater and the seasonal discharge rate of the groundwater to the surface water. Additional investigations were recommended to better characterize the effects of the historical waste disposal sites on the quality of water in the Eramosa River.

### **Environmental Database Documentation**

MMM obtained an EcoLog ERIS report for a 500 metre radius around the proposed work area (Appendix A). This report returned 1,018 records, with relevant records related to water wells, environmental approvals and registration of pollutant sources, waste generators and receivers, boreholes, spills and historical waste disposal sites. It is noted that many of the 1,018 records related to multiple records for the same property, for example, the 18 records related to PCB storage related to only three separate sites. The nearest source of contaminants was identified as the City's Waterworks site located adjacent to York Road Park. This site treats groundwater for the supply of the municipality and the operation includes fuel storage tanks, had reported spills and is a generator of waste.

The one identified historic waste disposal site was the Boulton Avenue dump located at Victoria Road South on the north shore of the Eramosa River.

## **2.2 Site Specific Geology**

The general geologic sequence reported in the geotechnical investigation for the sewer and watermain design (Amec Foster Wheeler 2015) noted the following stratigraphy:

- ◆ Topsoil (0 to 0.4 metres below ground surface (mbgs) at 29 of 33 boreholes);
- ◆ Fill (0 to 5.5 mbgs) (32 boreholes) consisting of earth fill and other materials, including slag, red bricks, metal, plastic, rubber, organics, peat, asphalt pieces, ceramics and glass;
- ◆ Peat (1.5 to 4.2 mbgs) (10 boreholes) maximum thickness 1.4 m;
- ◆ Marl (1.8 to 9 mbgs) (14 boreholes) maximum thickness 6.6 m;
- ◆ Sand & Gravel/Sand/Sandy Silt (0.4 to 10.7 mbgs) (29 boreholes) maximum thickness 6.8 m;
- ◆ Silt/Silty Clay/Clayey Silt (2.5 to 9 mbgs) (11 boreholes) maximum thickness 2.6 m; and
- ◆ Dolomitic Limestone (Guelph Formation) (2.9 to 8.7 mbgs) (8 boreholes).

## **2.3 Site Specific Hydrogeology**

Based on groundwater monitoring conducted during the construction of the sewer and watermain under Phase 1 of the servicing project, to the west of the park area and in the initial monitoring conducted in boreholes advanced in 2015, it is anticipated that the groundwater in the overburden layer and the shallow weathered bedrock behaves as one aquifer.

Water levels measured upon completion of the geotechnical boreholes and again from June 1<sup>st</sup> to 4<sup>th</sup>. Based on the final measured elevations, groundwater ranged from 0.67 mbgs to 3.75 mbgs. Hydraulic conductivity was assessed at 10 monitoring wells through rising and falling head tests conducted by Amec Foster Wheeler. The range of the mean hydraulic conductivity in the fill material was from  $1.50 \times 10^{-5}$  m/s to  $1.88 \times 10^{-2}$  m/s. The conductivity values at  $10^{-2}$  m/s were measured in clean sand and gravel. This layer was noted in many of the boreholes at elevations ranging from 300 masl to 311 masl. With the elevation of the Eramosa River at approximately 310 masl, the sand and gravel may have a strong hydraulic connection to the Eramosa River. The lower conductivity values measured in onsite boreholes are more typical of fill in which there was evidence of silt and clay.

## 2.4 Applicable Site Condition Standards

Generic site condition standards established by the Ministry of the Environment and Climate Change (MOECC) in their document: *Soil, Groundwater and Sediment Standards for Use Under Part XV.1 of the Environmental Protection Act (April 2011)* (the “Standard”) were used to assess soil quality at the York Road and Eramosa River Parks.

The MOECC has established nine categories of accepted generic Site Condition Standards (SCS) to evaluate soil and groundwater quality documented in Tables 1 to 9 (referred to as MOECC Table 1 through MOECC Table 9). The applicability of the category is dependent on site specific features. MOECC Table 1 SCS are the most stringent values and are considered representative of typical province wide background concentrations in soil and groundwater. These SCS apply to soil and groundwater in an environmentally significant area (e.g., wetland or forest). For lands that are within 30 m of a watercourse, but are not otherwise environmentally sensitive, MOECC Table 8 SCS would apply in potable groundwater conditions. MOECC Table 2 SCS are considered applicable to agricultural and developed land uses in potable groundwater conditions and are protective of groundwater quality. MOECC Table 8 and Table 2 SCS differentiate between agricultural land uses and those for residential/ parkland/ institutional (RPI) and industrial/ commercial and community (ICC) land uses. Those for RPI uses would apply to the York Road Park and Eramosa River Park.

Although at some locations the proximity to the Eramosa River would result in Table 8 SCS being applicable, Table 8 SCS are in general, equal to Table 2 SCS and where they are more stringent, the conclusions presented in this report are not changed. Table 2 SCS are provided to be consistent with other City of Guelph sites at which potable groundwater standards are applicable.

## 3.0 SUMMARY OF SOIL AND GROUNDWATER QUALITY


### 3.1 Summary of Field Investigations

A borehole and test pit investigation program was completed between April 20 and May 11, 2015. In total, boreholes were drilled at 33 locations and each borehole was completed as a monitoring well. Locations were identified as MW/BH-02 to MW/BH-32, with an initial location at BH-01 being replaced by MW/BH-24A. At one location (MW/BH-07), wells were nested to provide information on shallow (MW-07A) and deep (MW-07) groundwater horizons. The depth of boreholes ranged from 4.6 mbgs to 10.7 mbgs. Logs of boreholes prepared by Amec Foster Wheeler are included in Appendix B.

A test pit investigation was conducted on April 28, 29 and 30, 2015 by Amec Foster Wheeler, and was shadowed by MMM. Ten test pits (TP-01 to TP-10) were excavated to a total depth ranging between 3.0 mbgs and 4.8 mbgs. Fill and native soil conditions were observed by Amec Foster Wheeler and MMM.

The observations from the test pitting and drilling programs confirmed that the entire length of the park intersects an historic waste disposal site. The fill material includes soil mixed with waste, such as glass, porcelain, fiberglass, wire, metal, brick and ash as well as chemical contaminants including metals, inorganics, PHCs, PAHs and PCBs.

Soil samples were selected based on a sampling and analysis plan prepared by MMM. Forty samples were recovered from the 31 boreholes and one sample, representative of the observed



worst case was recovered from nine of the ten test pit locations. Samples weren't recovered from TP-07 because it was very close to BH/MW22 and it was considered that samples recovered from the borehole were representative of the test pit location as well. Of the recovered samples, the 40 samples from the boreholes and eight of the test pit samples were submitted for analysis of metals and inorganic parameters. Polycyclic aromatic hydrocarbons (PAHs), petroleum hydrocarbon compounds (PHCs) for the F1 to F4 fractions and PCBs were analyzed in 40% (16 of 40 samples) of the borehole samples and the nine samples recovered from the test pits. Samples selected for analysis are identified in Table 1. These were placed in laboratory prepared jars by Amec Foster Wheeler field technicians and submitted to ALS Laboratories (ALS) in Waterloo, Ontario for analysis. ALS is accredited by the Canadian Association for Laboratory Accreditation (CALA) for the requested analysis.

Each monitoring well was constructed of 51 mm diameter PVC riser pipe and a 10 slot screen with lengths ranging from 1.5 m to 4.5 m. At location MW/BH-03, the location was at the edge of a soccer field and the protective casing was covered by topsoil and seeded. At other locations, the wells were completed at ground surface with a flush-mounted protective casing embedded in concrete. Groundwater sampling was completed on groundwater samples collected from 16 monitoring well locations (Table 3) between June 3 and June 9, 2015 for analysis of metals, inorganic parameters, PAHs, PHCs, volatile organic compounds (VOCs) and general chemistry.

Two surface water samples were recovered from the Eramosa River, upstream and downstream of the park area. These samples were recovered on June 7, 2015 by a MMM field staff. Samples were submitted for analysis of general inorganic chemistry (metals, anions and cations), PHCs and VOCs. Discussion of surface water quality is included in this report, as an assessment of the impacts from the historical waste disposal areas within the north floodplain of the Eramosa River.

## **3.2 Soil Quality**

### **3.2.1 Contaminant Distribution**

A total of 49 samples were recovered from 32 boreholes and 10 test pits.

Metal impacts were identified in 40 of the 49 soil samples submitted for analysis. The contaminant metals varied in number and relative concentrations. Zinc was the most common metal contaminant, however antimony, arsenic, barium, boron, cadmium, cobalt, copper, lead, mercury, molybdenum, nickel, selenium, and thallium were also in the soil at concentrations exceeding the MOECC Table 2 SCS.

Of the inorganic chemical contaminants or indicators of contamination, electrical conductivity (EC) exceeded the MOECC Table 2 SCS in six samples. EC is considered an indicator of contamination and the noted value could be a result of localized salt impacts or physical properties of the soil such as moisture or clay content. An elevated pH was measured at only one location (BH/MW-27) and cyanide at another single location (BH/MW-07).

Organic chemical contaminants were analyzed in 25 of the samples recovered from boreholes and test pits. Samples were submitted for analysis of PHCs, PCBs and PAHs. Although VOCs are contaminants of concern in industrial areas, soil impacts tend to be localized, with groundwater providing a better representation of overall contaminant levels. For that reason, VOCs were not analyzed in soil.

PHC impacts, primarily the F3 fraction, were identified in 13 samples. PHC fractions F1, F2 and F4 were only present in the three samples with the greatest concentrations of F3. The



concentrations of PCBs exceeded the MOECC Table 2 SCS at three locations and elevated detection limits were identified at three additional locations. These six locations were coincident with concentrations of F3 that exceed the MOECC Table 2 SCS. At seven of these 25 locations, PAHs were also measured at concentrations that exceed the MOECC Table 2 SCS. PAHs were present at four additional locations where PHCs were not contaminants of concern.

Statistically, organic chemical contaminants were noted at 17 of the 25 sampled locations, representing approximately 70% of the park area.

Where PHC impacts were identified, the concentrations of F3 were generally more than twice the MOECC Table 2 SCS of 300 ug/g. The greatest PCB concentration (14.4 ug/g) was at BH17, in the auger sample, where PHCs were also present at high concentrations.

For PAHs, the distribution of concentrations between the 18 different chemicals was not consistent. Benzo[a]pyrene exceeded the MOECC Table 2 SCS in each of the 11 samples in which PAH contamination was identified and only fluorene was not measured in any sample at concentrations exceeding the MOECC Table 2 SCS. Concentrations of PAHs were greatest at BH/MW-31 and TP-10, at the east end of Eramosa River Park, near Victoria Road South. At these locations, the concentrations exceeded the MOECC Table 2 SCS by more than two orders of magnitude. Significant exceedances (one order of magnitude) were also noted at TP-01 and TP-05, indicating distribution of PAHs across the park area.


### 3.3 Groundwater Quality

Groundwater was sampled at 16 locations that were selected to provide data that is representative across the area of the proposed sewer and watermain alignment. Results of groundwater analysis are compared to MOECC Table 2 SCS in Table 3 included after the text in this report.

For the analyzed metals and inorganic parameters, cobalt was the only parameter that exceeded the SCS. Exceedances were noted at six locations (MW/BH-11, MW/BH-14, MW/BH-17, MW/BH-19, MW/BH-28 and MW/BH-30) with a maximum concentration of 15.9 ug/L, compared to a SCS of 3.8 ug/L. These impacts are generally across the entire property. Other inorganic parameters for which groundwater standards have not been established were included in the analysis. The concentrations of calcium, magnesium, sodium and chloride were elevated and at concentrations consistent with waste disposal leachate (RWDI Air 2013).

PHCs (F2, F3 and F4 fractions) were measured at concentrations exceeding the MOECC Table 2 SCS at six locations (MW/BH-12, MW/BH-14, MW/BH-16, MW/BH-17, MW/BH-19 and MW/BH-22), in the central portion of the park area. The F3 fraction was the most significant contaminant, with a maximum concentration of 4,500 ug/L, which is one order of magnitude higher than the MOECC Table 2 SCS of 500 ug/L. F2 and F4 fractions exceeded the applicable standards by a smaller margin. The area of PHC impacts in groundwater is near TP-05 and MW/BH-17 where the highest concentrations of PHCs were recorded in soil. At location MW/BH-22, the soil did not contain evidence of PHC impacts and only the F2 fraction of PHCs was measured in the groundwater at a concentration (170 ug/L) exceeding the standard (150 ug/L) by a relatively small margin. Therefore, this location may indicate the east limit of PHC impacts. No PHCs were detected at MW/BH-11 to the west of the area of impacts.

VOCs were measured at 11 locations (MW/BH-12, MW/BH-14, MW/BH-16, MW/BH-17, MW/BH-19, MW/BH-25, MW/BH-26, MW/BH-27, MW/BH-28, MW/BH-30 and MW/BH-31) in the same area impacted by PHCs but extending to the east, toward Victoria Road. The main VOCs



observed in the groundwater were cis-1,2-dichloroethylene, trichloroethylene and vinyl chloride, which are typical industrial solvents and their degradation products. The maximum measured concentrations of these contaminants were 8 to 13 times the applicable standards and were present at the central area (between Hooper Street and the Waterworks facility) and near the east limit of the park area, at Victoria Road. At MW/BH-17 and MW/BH-19, 1,4-dichlorobenzene was the only VOC at a concentration exceeding the SCS with a maximum concentration of 2.35 ug/L compared to a SCS of 1 ug/L. The contaminant 1,4-dichlorobenzene is not a common industrial solvent but has been identified in wastewater treatment effluent at low concentrations (Government of Canada 1993).

Based on this information, it appears that there are two or three sources of organic chemical contamination in groundwater in the central and eastern parts of the park.

PAHs were measured at concentrations exceeding the MOECC Table 2 SCS at seven locations (MW/BH-02, MW/BH-07A, MW/BH-22, MW/BH-25, MW/BH-28, MW/BH-30 and MW/BH-31). PAH SCS are quite low, which reflects the toxicity of these contaminants and their generally low aqueous solubility. Instances of exceedances can be associated with contaminants adhered to sediments rather than being representative of the dissolved component in groundwater. Therefore, filtration of the water can remove some, if not all of the impacts. The observed concentrations are consistent with groundwater in areas with buried ash and cinders.

### **3.4 Surface Water Quality**

MMM Group collected surface water samples from the Eramosa River on June 7, 2015 at upstream and downstream limits of the parks. The upstream water samples were collected under the Victoria Road South Bridge, and the downstream water samples were collected immediately upstream of the confluence with the Speed River. The water in the Eramosa River was generally clear at the time of water sampling and there had been no precipitation in the previous forty-eight hours. The surface water samples were sent to AGAT Laboratories. The results were analyzed for field chemistry, general chemistry, total metals, VOCs and PHCs. All results were below Provincial Water Quality Guidelines of Ontario (Ministry of the Environment 1994). No VOCS or PHCs were detected in the water samples.

## **4.0 SUMMARY OF ENVIRONMENTAL CONDITIONS**

Comparison of the results of soil analysis to MOECC Table 8 SCS identified one or more contaminants in 46 of the 49 samples. The three samples that met MOECC Table 8 SCS included one sample at MW/BH-09 (BH-09-SS2 at 0.8 to 1.3 mbgs) and two samples at MW/BH-22; BH-22-SS2 and BH-22-SS3/SS4 (0.8 to 1.3 mbgs and 1.5 to 2.9 mbgs). Because the MOECC Table 2 SCS are less stringent than Table 8 SCS, these samples also comply with MOECC Table 2 SCS. The sample from MW/BH-13 (BH-13-SS3/SS4) did not meet MOECC Table 8 SCS but this location is well removed from the water's edge and results did meet MOECC Table 2 SCS. These four samples represent three locations where soil contaminants did not exceed the MOECC Table 2 SCS.

In the other 44 soil samples (representing 90% of the samples), the contaminants are consistent with impacts from historical waste disposal activities. Similarly, impacts were noted in 15 of the 16 groundwater samples, representing 94% of the locations.

The level of contamination ranged from areas where only a few contaminants were present at concentrations that marginally exceeded MOECC Table 2 SCS to areas with significant impacts



indicative of effects from disposal of industrial waste. Three areas where extensive impacts in physical appearance of the buried waste and contaminant concentrations were noted at:

- ◆ The west limits of the alignment at Wyndham Street South from TP-01 to TP-02 approximately 300 m to the east, along York Road.
- ◆ The central area of the alignment, from TP-04 at Hooper Street through TP-06 at the Waterworks site, a length of approximately 400 m. At this location, there was evidence of impacts from PHCs, particularly at TP-05 as well as physical waste materials, such as fibreglass. The highest concentrations of PHCs in soil were measured at TP-05 and MW/BH-17. PCBs were also measured in soil at concentrations exceeding the SCS at MW/BH-17 and MW/BH-19, in this area. Groundwater in this area (wells MW-11 to MW-19) also showed the highest concentrations of PHCs and VOCs.
- ◆ The east limits of the alignment at Victoria Road at TP-09 and TP-10, covering approximately 300 m. The highest concentrations of lead and other metals were measured in soil at MW/BH-30 and TP-10. Groundwater in this area was impacted by VOCs and PAHs.


In addition to the soil impacts in the fill layer that contained waste, the concentrations of cadmium, lead and zinc in the layers of sand and gravel, and marl also exceeded MOECC Table 2 SCS. These samples were not submitted for analysis of organic parameters. Comparison of the results for metals and inorganics to standards that would apply to soil that is maintained at depths greater than 1.5 m (MOECC Table 4 SCS) indicated that these contaminants can safely remain at depth, without causing adverse effects to human or ecological receptors.

## 5.0 CONCLUSIONS

The results of soil and groundwater analysis for locations within the York Road and Eramosa River Parks confirm that contamination remains in the areas of the historical waste disposal sites. The distribution of metal impacts in the soil samples indicate that all historical waste material should be considered as contaminated. However, the distribution of organic contaminants in the soil suggests discrete sources of PHC and PAH impacts rather than the migration of organic chemical contamination from a single source.

Groundwater across the park area has been impacted predominantly by PAHs, which may be associated with sediments in the water samples and to a lesser extent by components of industrial solvents (i.e., VOCs). The VOC impacts were noted in the central and eastern portions of the park area and appear to be from two or three different sources. The groundwater at the central area of the park west of the Waterworks site and to the east of the park area near Victoria Road has been impacted by chlorinated solvents commonly used in industry. Groundwater in the area adjacent to the Waterworks facility was impacted by 1,4-dichlorobenzene, a contaminant that has been identified at low concentrations in wastewater effluents.

Limited impacts in groundwater from metals indicate that contaminants in soil are not leaching into groundwater. However, results of analysis of calcium, magnesium, sodium and chloride are consistent with landfill leachate.



Despite the observed impacts in soil and groundwater within park areas adjacent to the Eramosa River, there is no evidence that these impacts have contributed to the measurable degradation of surface water.

## **6.0 QUALIFICATIONS**

For six decades, MMM Group Limited has offered comprehensive consulting services in design, planning, project management, contract administration and construction inspection services in the environmental engineering, municipal engineering, urban development and recreational development fields. The firm employs approximately 2,000 professional, technical and administrative staff, in offices across Canada. The Environmental Management Department specializes in conducting Phase I, II and III Environmental Site Assessments, hazardous materials assessment, removal of underground storage tanks, groundwater investigations and site remediation.

The Site Characterization Report was prepared by Carolyn Adams, P.Eng., Manager and Associate Partner with MMM. Carolyn has 26 years of experience in completing environmental investigations and has the knowledge and experience to identify appropriate management methods for soil and groundwater.

## **7.0 STANDARD LIMITATIONS**

Standard limitations are presented in Appendix D as they apply to this report.

## **8.0 REFERENCES**

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<p><b>Legend</b></p> <p> Boundaries of Historical Waste Disposal Site #4</p> <p> Waterbody</p>	Client: <b>City of Guelph</b>		
	Title: <b>Site Location Showing Limits of Waste Disposal</b>		
	Prepared By:  <b>MMM GROUP</b>		
	10-14079-000-310	Scale as Shown	Review: CA
	Date: October 2015	<b>Figure: 1</b>	
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**TABLE 1: Sampling and Analysis Plan with Summary of Results  
for Soil Borehole and Test Pit Programs  
York Trunk Sewer and Paisley-Clythe Feedermain**

Soil Sample	Depth (mbgs)	Soil Sample Submission Rationale	Soil Type	Exceedances				
				Inorganics	Metals	PHCs	PAHs	PCBs
BH-02-SS2/SS3	0.8-2.1	Located in old City Landfill	Fill: slag, asphalt, tar	None	Antimony, Boron (HWE), Cadmium, Copper, Lead, Mercury, Nickel, Zinc	Not tested	Not tested	Not tested
BH-03-SS1/SS3	0.2-2.1	Located in old City Landfill	Fill: metal debris	None	Copper, Lead, Mercury, Zinc	Not tested	Not tested	Not tested
BH-04-SS2/SS3	0.8-2.1	Located in old City Landfill	Fill: slag	Conductivity	None	None	None	None
BH-05-SS2/SS3	0.8-2.1	Located in old City Landfill	Fill: slag	None	Boron (HWE), Cobalt, Lead, Selenium, Zinc	None	None	None
BH-06-SS2	0.8-1.4	Located in old City Landfill	Fill: slag	None	Lead, Mercury, Zinc	Not tested	Not tested	Not tested
BH-07-SS2/SS3	0.8-2.1	Located in old City Landfill	Fill: slag	Conductivity	Cadmium, Lead, Mercury, Zinc	Not tested	Not tested	Not tested
BH-08-SS2	0.8-1.4	Located in old City Landfill	Fill: glass	None	None	F3	None	None
BH-08-SS5	3.1-3.6	Analysis of native soil	Sand and gravel	None	Cadmium, Zinc	Not tested	Not tested	Not tested
BH-09-SS2	0.8-1.5	Located in old City Landfill	Fill: coal tar smell	None	None	Not tested	Not tested	Not tested
BH-10-SS3/SS4	1.5-2.9	Located in old City Landfill	Fill: black peat, wood chips	None	Boron (HWE), Cadmium, Lead, Mercury, Zinc	F3	None	Not tested
BH-11-SS3	1.5-2.1	Located in old City Landfill	Fill: slag	None	Boron, Mercury	Not tested	Not tested	Not tested
BH-12-SS2/SS3	0.8-2.1	Located in old City Landfill	Fill: asphalt, coal, debris	None	Boron (HWE), Copper, Mercury	F3	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Fluoranthene	None
BH-12-SS7	5.3-5.9	Analysis of native soil	sand and gravel, landfill	None	Lead, Zinc	Not tested	Not tested	Not tested
BH-13-SS3/SS4	1.5-2.9	Located in old City Landfill	Fill: brick	None	None	None	None	None
BH-14-SS3	1.5-2.1	Located in old City Landfill	Fill: slag, wood	None	Boron (HWE), Lead, Mercury	None	Not tested	Not tested
BH-15-SS3	1.5-2.1	Located in old City Landfill	Fill: glass, debris, slag	None	Cadmium, Lead, Mercury, Zinc	None	Not tested	Not tested
BH-16-SS3	1.5-2.1	Located in old City Landfill	Fill: grey black	None	Cadmium, Copper, Lead, Mercury, Selenium, Zinc	F3	None	None
BH-16-SS8	5.3-5.9	Analysis of native soil	Marl: some shells	None	Boron (HWE), Cadmium, Selenium, Zinc	Not tested	Not tested	Not tested
BH-17-SS3	1.5-2.1	Located in old City Landfill	Fill: black pockets	None	Cadmium, Lead, Zinc	Not tested	Not tested	Not tested
BH-17-AS	3-4.6	Odour and Gas detector hits		None	Boron (HWE), Cadmium, Copper, Lead, Mercury, Zinc	F1, F2, F3, F4	Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Fluoranthene, 1-Methylnaphthalene, 2-Methylnaphthalene, 1+2-Methylnaphthalene, Naphthalene	Total PCBs
BH-18-SS3	1.5-2.1	Located in old City Landfill	Fill	None	Zinc	Not tested	Not tested	Not tested
BH-19-SS4/SS5	2.3-3.6	Located in old City Landfill	Fill: sand and gravel	None	Boron (HWE), Zinc	F3	Benzo(a)pyrene, 1+2-Methylnaphthalene, Naphthalene	Total PCBs
BH-19-SS8	6.1-6.7	Analysis of native soil	sand and gravel	None	Cadmium, Lead, Selenium (detection limit exceeds), Zinc	Not tested	Not tested	Not tested
BH-20-SS1/SS2	0.2-1.4	Sample distribution	Fill: peat	None	Antimony, Arsenic, Barium, Cadmium, Copper, Lead, Mercury, Zinc	Not tested	Not tested	Not tested
BH-21-SS1/SS2	0-1.4	Sample distribution	Fill: slag, grass	None	None	None	Acenaphthylene, Benzo(a)pyrene	None
BH22 SS2	0.8-1.4	Sample distribution	Fill: brown to black sand	None	None	Not tested	Not tested	Not tested
BH-22-SS3/SS4	1.5-2.9	Sample distribution	Fill to sand and gravel	None	None	None	None	None
BH-23-SS1/SS2	0.2-1.3	Sample distribution	Fill: slag	None	None	None	Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(ah)anthracene, Indeno(1,2,3-cd)pyrene	None
BH-24-SS2	0.8-1.4	Sample distribution	sand and gravel	None	Zinc	Not tested	Not tested	Not tested
BH-24A-SS2	0.8-1.4	Sample distribution	sand and gravel	None	Zinc	Not tested	Not tested	Not tested
BH-25-SS2	0.8-1.4	Located in old City Landfill	Fill: brick debris	None	Lead, Zinc	None	None	None
BH-26-SS2/SS3	0.8-2.1	Located in old City Landfill	Fill to peat to marl	Cyanide detection limit adjusted to exceed standard	Lead	F3	None	None
BH-26-SS6	4.6-5.2	Analysis of native soil	Marl	None	Cadmium, Zinc	Not tested	Not tested	Not tested
BH-27-SS2	0.8-1.4	Located in old City Landfill	Fill: slag	High pH (9.55)	Arsenic, Cadmium, Lead, Zinc	Not tested	Not tested	Not tested
BH-28-SS2	0.8-1.4	Located in old City Landfill	Fill: plastic	Detection limit adjusted to exceed	Arsenic, Lead, Zinc	Not tested	Not tested	Not tested
BH-29-SS2/SS3	0.8-2.1	Located in old City Landfill	Fill: slag	Conductivity	Arsenic, Boron (HWE), Cadmium, Cobalt, Copper, Lead, Mercury, Molybdenum, Nickel, Selenium, Zinc	F3	Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Dibenzo(ah)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene	None
BH-29-SS6	4.6-5.2	Analysis of native soil	Marl	None	Zinc	Not tested	Not tested	Not tested
BH-30-SS3	1.5-2.1	Located in old City Landfill	Fill: brick	None	Antimony, Arsenic, Barium, Boron (HWE), Cadmium, Cobalt, Lead, Molybdenum, Selenium, Thallium, Zinc	Not tested	Not tested	Not tested
BH-31-SS2	0.8-1.4	Located in old City Landfill	Fill: plastic, metal	Detection limit adjusted to exceed	Lead, Mercury, Zinc	None	Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(ah)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, 1+2-Methylnaphthalene, Naphthalene, Phenanthrene, Pyrene	None
BH-32-SS4	1.4-2.9	Located in old City Landfill	Sand and gravel	None	Zinc	Not tested	Not tested	Not tested

**TABLE 1: Sampling and Analysis Plan with Summary of Results  
for Soil Borehole and Test Pit Programs  
York Trunk Sewer and Paisley-Clythe Feedermain**

Soil Sample	Depth (mbgs)	Soil Sample Submission Rationale	Soil Type	Exceedances				
				Inorganics	Metals	PHCs	PAHs	PCBs
TP-01 at 1.8m	1.8	As per MMM Request	Fill: sand, slag	None	Antimony, Arsenic, Barium, Boron (HWE), Cadmium, Copper, Lead, Mercury, Selenium, Zinc	None	Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(ah)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene	None
TP-02 at 2.2m	2.2	As per MMM Request	Fill: glass, metal	Conductivity	Arsenic, Cadmium, Copper, Lead, Mercury, Selenium (detection limit exceeds), Zinc	F3	Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(ah)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene	None
TP-03 at 1.6m	1.6	As per MMM Request	Fill: peat, debris	None	Boron (HWE), Cadmium, Selenium, Zinc	None	None	None
TP-04 at 4.2m	4.2	As per MMM Request	Fill: sand and gravel	Conductivity	Boron, Boron (HWE), Cadmium, Lead, Selenium (detection limit exceeds), Zinc	F3	None	Total PCBs (detection limit exceeds)
TP-04 at 2.0m	2	As per MMM Request						
TP-05 at 2.2m	2.2	As per MMM Request	Fill: metal, glass	None	Not tested	F1, F2, F3	Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a), pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(ah)anthracene, Fluoranthene, Fluorene, Indeno(1,2,3-cd)pyrene, 1-Methylnaphthalene, 2-Methylnaphthalene, 1+2-Methylnaphthalene, Naphthalene, Phenanthrene, Pyrene	Total PCBs (detection limit exceeds)
TP-06 at 2.0m	2	As per MMM Request	Fill: metal, asphalt	None	Boron (HWE), Cadmium, Copper, Lead, Mercury, Zinc	F3	None	Total PCBs
TP-08 at 1.0m	1	As per MMM Request	Fill: brick, slag	None	Arsenic, Barium, Lead	None	None	None
TP-09 at 2.5m	2.5	As per MMM Request	Marl interface	None	Selenium (detection limit exceeds), Zinc	None	None	None
TP-10 at 2.4m	2.4	As per MMM Request	Peat interface	Conductivity	Antimony, Arsenic, Boron, Boron (HWE), Cadmium, Cobalt, Copper, Lead, Molybdenum, Selenium, Zinc	F2, F3	Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(g,h,i)perylene, Benzo(k)fluoranthene, Chrysene, Dibenzo(ah)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Naphthalene	Total PCBs (detection limit exceeds)





TABLE 2: Soil Quality Data at York Road and Eramosa River Parks  
York Trunk Sewer and Paisley-Clythe Feedermain  
Guelph, Ontario

Table with 25 columns for sampling locations (BH23 to TP10 AT) and 3 rows for sample details (Sample ID, ALS Report #, Soil Type, Sample Depth, Sample Date). The main data table has columns for Parameters, Units, RDL (min), MOECC Table 2 RPI, and 25 sampling locations. Data is categorized into General Chemistry, Metals, Hydrocarbons, and Polychlorinated Biphenyls. Values are provided for various chemical parameters like Conductivity, pH, and various metals and hydrocarbons.







TABLE 4

Surface Water Data for York Road and Eramosa River Parks  
York Trunk Sewer and Paisley-Clythe Feedermain  
GUELPH, ONTARIO

AGAT Laboratories, Mississauga Ontario, Analytical Laboratory Results				Sample Location		Eramosa River	Eramosa River
				Easting (mE)		Upstream	Downstream
				Northing (mN)		562953	561405
				Date Sampled		4822103	4821079
Parameter	Unit	RDL	PWQO	Notes	Jun 7-2015	Jun 7-2015	
<b>Field Chemistry</b>							
Electrical Conductivity	µS/cm	-	-	-	590	609	
pH	-	-	6.5-8.5	-	8.38	8.15	
Temperature	Celsius	-	-	-	19.1	19	
Turbidity	NTU	-	-	-	2.31	2.33	
<b>Laboratory Chemistry</b>							
Electrical Conductivity	uS/cm	2	-	-	623	645	
pH	pH Units	NA	6.5-8.5	-	8.36	8.25	
Saturation pH	-	-	-	-	7.05	7.05	
Langlier Index	-	-	-	-	1.31	1.20	
Total Hardness (as CaCO <sub>3</sub> )	µg/L	500	-	-	268,000	267,000	
Total Suspended Solids	mg/L	10	-	-	<10	<10	
Total Dissolved Solids	mg/L	20	-	-	350	354	
Alkalinity (as CaCO <sub>3</sub> )	µg/L	5000	-	-	241,000	243,000	
Bicarbonate (as CaCO <sub>3</sub> )	µg/L	5000	-	-	231,000	243,000	
Carbonate (as CaCO <sub>3</sub> )	µg/L	5000	-	-	9,190	<5000	
Hydroxide (as CaCO <sub>3</sub> )	µg/L	5000	-	-	<5000	<5000	
Fluoride	µg/L	100	-	-	<100	<100	
Chloride	µg/L	200	-	-	50,100	55,700	
Nitrate as N	µg/L	100	-	-	813	757	
Nitrite as N	µg/L	100	-	-	<100	<100	
Bromide	µg/L	100	-	-	<100	<100	
Sulphate	µg/L	200	-	-	21,000	21,000	
Phosphate as P	µg/L	200	-	-	<200	<200	
Reactive Silica	mg/L	0.05	-	-	4.99	4.7	
Ammonia as N	µg/L	20	-	-	<20	<20	
Ammonia (Un-ionized) <sup>(1)</sup>	µg/L	NA	20	-	<1.98	<1.2	
Total Phosphorus	µg/L	10	30	(2).	13.3	16.5	
Total Organic Carbon	mg/L	0.5	-	-	5.8	5.9	
Colour	TCU	5	-	-	29	31	
Turbidity	NTU	0.5	-	-	6	4.8	
Cation Sum	-	-	-	-	6.7	6.7	
Anion Sum	-	-	-	-	6.7	6.9	
% Difference Cation/Anion	-	-	-	-	0.6	1.5	
<b>Total Metals</b>							
Calcium	µg/L	50	-	-	70,700	70,100	
Magnesium	µg/L	50	-	-	22,200	22,300	
Sodium	µg/L	50	-	-	29,000	31,000	
Potassium	µg/L	50	-	-	1,490	1,580	
Aluminum (Dissolved)	µg/L	4.0	75	(3).	<4.0	5.5	
Antimony	µg/L	3.0	20	-	<3.0	<3.0	
Arsenic	µg/L	3.0	5	-	<3.0	<3.0	
Barium	µg/L	2.0	-	-	37.5	40.9	
Beryllium	µg/L	0.5	1,100	(4).	<0.5	<0.5	
Boron	µg/L	10	200	-	19	20	
Cadmium	µg/L	0.1	0.5	(5).	<0.1	<0.1	
Chromium	µg/L	3.0	-	(6).	<3.0	<3.0	
Cobalt	µg/L	0.5	0.9	-	<0.5	<0.5	
Copper	µg/L	2.0	5	-	<2.0	<2.0	
Iron	µg/L	10	300	-	65	85	
Lead	µg/L	1.0	5	(7).	<1.0	<1.0	
Manganese	µg/L	2.0	-	-	30.1	36.7	
Mercury (dissolved)	µg/L	0.01	0.2	-	<0.01	<0.01	
Molybdenum	µg/L	2.0	40	-	<2.0	<2.0	
Nickel	µg/L	3.0	25	-	<3.0	<3.0	
Selenium	µg/L	4.0	100	-	<4.0	<4.0	
Silver	µg/L	0.1	0.1	-	<0.1	<0.1	
Strontium	µg/L	5.0	-	-	219	227	
Thallium	µg/L	0.3	0.3	-	<0.3	<0.3	
Tin	µg/L	2.0	-	-	<2.0	<2.0	
Titanium	µg/L	2.0	-	-	<2.0	<2.0	
Tungsten	µg/L	10	30	-	<10	<10	
Uranium	µg/L	2.0	5	-	<2.0	<2.0	
Vanadium	µg/L	2.0	6	-	<2.0	<2.0	
Zinc	µg/L	5.0	30	-	23.5	23.9	
Zirconium	µg/L	4.0	4	-	<4.0	<4.0	

**Notes:**

- (1). Calculated from field pH and Temperature as per the PWQO Guideline.
- (2). Excessive plant growth in rivers and streams should be eliminated at a total phosphorus concentration below 30µg/L.
- (3). Based on a clay free sample at pH 6.5 to 9.0.
- (4). Based on a hardness of >75 mg/L
- (5). Based on a hardness of >100 mg/L.
- (6). PWQO is 1.0 mg/L for hexavalent chromium (Cr(VI)), PWQO is 8.9 mg/L for trivalent chromium (CR(III)).
- (7). Based on a hardness of >80 mg/L.

- No value listed

R.D.L. Reported Detection Limit.

PWQO Water Management Policies, Guidelines, Provincial Water Quality Guidelines of the Ontario Ministry of the Environment and Energy, July 1994, Reprinted February 1999.

**0.01** Concentration is higher than the applicable PWQO.



**Surface Water Data for York Road and Eramosa River Parks  
York Trunk Sewer and Paisley-Clythe Feedermain  
GUELPH, ONTARIO**

AGAT Laboratories, Mississauga Ontario, Analytical Laboratory Results				Sample Location		Eramosa River	Eramosa River
				Easting (mE)		562953	561405
				Northing (mN)		4822103	4821079
				Date Sampled		Jun 7-2015	Jun 7-2015
Parameter	Unit	RDL	PWQO	Notes			
<b>Volatile Organic Carbons</b>							
1,1 Dichloroethylene	µg/L	0.30	40	-	<0.30	<0.30	<0.30
1,1,1,2-Tetrachloroethane	µg/L	0.10	20	-	<0.10	<0.10	<0.10
1,1,1-Trichloroethane	µg/L	0.30	10	-	<0.30	<0.30	<0.30
1,1,2,2-Tetrachloroethane	µg/L	0.10	70	-	<0.10	<0.10	<0.10
1,1,2-Trichloroethane	µg/L	0.20	800	-	<0.20	<0.20	<0.20
1,1-Dichloroethane	µg/L	0.30	200	-	<0.30	<0.30	<0.30
1,2 - Dichloroethane	µg/L	0.20	100	-	<0.20	<0.20	<0.20
1,2-Dichlorobenzene	µg/L	0.10	2.5	-	<0.10	<0.10	<0.10
1,2-Dichloropropane	µg/L	0.20	0.7	-	<0.20	<0.20	<0.20
1,3-Dichlorobenzene	µg/L	0.10	2.5	-	<0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L	0.30	-	-	<0.30	<0.30	<0.30
1,4-Dichlorobenzene	µg/L	0.10	4	-	<0.10	<0.10	<0.10
Acetone	µg/L	1.0	-	-	<1.0	<1.0	<1.0
Benzene	µg/L	0.20	100	-	<0.20	<0.20	<0.20
Bromodichloromethane	µg/L	0.20	200	-	<0.20	<0.20	<0.20
Bromoform	µg/L	0.10	60	-	<0.10	<0.10	<0.10
Bromomethane	µg/L	0.20	0.9	-	<0.20	<0.20	<0.20
Carbon Tetrachloride	µg/L	0.20	-	-	<0.20	<0.20	<0.20
Chlorobenzene	µg/L	0.10	15	-	<0.10	<0.10	<0.10
Chloroform	µg/L	0.20	-	-	<0.20	<0.20	<0.20
cis- 1,2-Dichloroethylene	µg/L	0.20	200	-	<0.20	<0.20	<0.20
Dibromochloromethane	µg/L	0.10	-	-	<0.10	<0.10	<0.10
Dichlorodifluoromethane	µg/L	0.20	-	-	<0.20	<0.20	<0.20
Ethylbenzene	µg/L	0.10	8	-	<0.10	<0.10	<0.10
Ethylene Dibromide	µg/L	0.10	5	-	<0.10	<0.10	<0.10
m & p-Xylene	µg/L	0.20	32	(1)	<0.20	<0.20	<0.20
Methyl Ethyl Ketone	µg/L	1.0	400	-	<1.0	<1.0	<1.0
Methyl Isobutyl Ketone	µg/L	1.0	-	-	<1.0	<1.0	<1.0
Methyl tert-butyl ether	µg/L	0.20	200	-	<0.20	<0.20	<0.20
Methylene Chloride	µg/L	0.30	100	-	<0.30	<0.30	<0.30
n-Hexane	µg/L	0.20	-	-	<0.20	<0.20	<0.20
o-Xylene	µg/L	0.10	40	-	<0.10	<0.10	<0.10
Styrene	µg/L	0.10	4	-	<0.10	<0.10	<0.10
Tetrachloroethylene	µg/L	0.20	50	-	<0.20	<0.20	<0.20
Toluene	µg/L	0.20	0.8	-	<0.20	<0.20	<0.20
trans- 1,2-dichloroethylene	µg/L	0.20	200	-	<0.20	<0.20	<0.20
Trichloroethylene	µg/L	0.20	20	-	<0.20	<0.20	<0.20
Trichlorofluoromethane	µg/L	0.40	-	-	<0.40	<0.40	<0.40
Vinyl Chloride	µg/L	0.17	600	-	<0.17	<0.17	<0.17
Xylene Mixture (Total)	µg/L	0.20	-	-	<0.20	<0.20	<0.20
<b>Petroleum Hydrocarbons</b>							
F1 (C6 to C10)	µg/L	25	-	-	<25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L	25	-	-	<25	<25	<25
F2 (C10 to C16)	µg/L	100	-	-	<100	<100	<100
F3 (C16 to C34)	µg/L	100	-	-	<100	<100	<100
F4 (C34 to C50)	µg/L	100	-	-	<100	<100	<100

**Notes:**

- No value listed

R.D.L. Reported Detection Limit.

PWQO Water Management Policies, Guidelines, Provincial Water Quality Guidelines of the Ontario Ministry of the Environment and Energy, July 1994, Reprinted February 1999.

(1) Interm PWQO standards for Xylene isomers are: 2 µg/L for m-Xylene, 40 µg/L for o-Xylene, and 30 µg/L for p-Xylene.

**0.01** Concentration is higher than the applicable PWQO.







# DATABASE REPORT



**Project Property:** *Guelph Paisley Phase 2 PTTW  
York Rd  
Guelph ON  
1012108*

**P.O. Number**

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

**Order #:** *20150514049*

**Requested by:** *MMM Group Ltd.*

**Date:** *May 21, 2015*

**Ecolog ERIS Ltd.**  
Environmental Risk Information  
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# Executive Summary

## Property Information:

**Project Property:** *Guelph Paisley Phase 2 PTTW  
York Rd Guelph ON*

**P.O. Number:** *1012108*

## Order Information:

**Order No.:** *20150514049*

**Date Requested:** *22/05/2015*

**Requested by:** *MMM Group Ltd.*

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

## Additional Products:

# Executive Summary: Report Summary

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.50km</b>	<b>Total</b>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	1	1
AUWR	<i>Automobile Wrecking &amp; Supplies</i>	Y	0	2	2
BORE	<i>Borehole</i>	Y	0	5	5
CA	<i>Certificates of Approval</i>	Y	0	108	108
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	0	0
CHEM	<i>Chemical Register</i>	Y	0	3	3
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	2	2
CPU	<i>Certificates of Property Use</i>	Y	0	1	1
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	39	39
ECA	<i>Environmental Compliance Approval</i>	Y	0	2	2
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	40	40
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	55	55
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries &amp; Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	23	23
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	10	10
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	274	274
HINC	<i>TSSA Historic Incidents</i>	Y	0	4	4
IAFT	<i>Indian &amp; Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	0	0
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0
MINE	<i>Canadian Mine Locations</i>	Y	0	0	0
MNR	<i>Mineral Occurrences</i>	Y	0	0	0
NATE	<i>National Analysis of Trends in Emergencies System (NATES)</i>	Y	0	0	0
NCPL	<i>Non-Compliance Reports</i>	Y	0	0	0
NDFT	<i>National Defence &amp; Canadian Forces Fuel Tanks</i>	Y	0	0	0
NDSP	<i>National Defence &amp; Canadian Forces Spills</i>	Y	0	0	0
NDWD	<i>National Defence &amp; Canadian Forces Waste Disposal Sites</i>	Y	0	0	0

<b>Database</b>	<b>Name</b>	<b>Searched</b>	<b>Project Property</b>	<b>Boundary to 0.50km</b>	<b>Total</b>
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	16	16
NPRI	National Pollutant Release Inventory	Y	0	54	54
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	2	2
ORD	Orders	Y	0	1	1
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	6	6
PINC	TSSA Pipeline Incidents	Y	0	2	2
PRT	Private and Retail Fuel Storage Tanks	Y	0	18	18
PTTW	Permit to Take Water	Y	0	5	5
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	2	2
RSC	Record of Site Condition	Y	0	7	7
RST	Retail Fuel Storage Tanks	Y	0	13	13
SCT	Scott's Manufacturing Directory	Y	0	55	55
SPL	Ontario Spills	Y	0	97	97
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	1	1
WWIS	Water Well Information System	Y	0	170	170
<b>Total:</b>			0	1,018	1,018

# 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>
<a href="#">1</a>	WWIS		GUELPH ON	NNE/1.2	311.00	<a href="#">113</a>
<a href="#">2</a>	WWIS		ON	WNW/38.6	311.00	<a href="#">113</a>
<a href="#">3</a>	WWIS		ON	W/39.4	311.00	<a href="#">113</a>
<a href="#">4</a>	FST	CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	NW/56.4	311.89	<a href="#">114</a>
<a href="#">4</a>	FST	CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	NW/56.4	311.89	<a href="#">114</a>
<a href="#">4</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON	NW/56.4	311.89	<a href="#">114</a>
<a href="#">5</a>	WWIS		Guelph ON	NNW/54.2	312.00	<a href="#">115</a>
<a href="#">6</a>	WWIS		ON	WNW/63.8	311.80	<a href="#">115</a>
<a href="#">7</a>	WWIS		ON	WNW/64.7	311.43	<a href="#">116</a>
<a href="#">8</a>	CA	F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	N/42.6	312.00	<a href="#">116</a>
<a href="#">8</a>	CA	F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	N/42.6	312.00	<a href="#">116</a>
<a href="#">8</a>	CA	F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	N/42.6	312.00	<a href="#">117</a>
<a href="#">8</a>	CA	F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	N/42.6	312.00	<a href="#">117</a>
<a href="#">8</a>	CA	F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	N/42.6	312.00	<a href="#">118</a>
<a href="#">8</a>	FSTH	CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">119</a>
<a href="#">8</a>	FSTH	CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">119</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">8</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">119</a>
<a href="#">8</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">120</a>
<a href="#">8</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">120</a>
<a href="#">8</a>	GEN	GUELPH, CITY OF	WATER DEPARTMENT 29 WATERWORKS PLACE GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">120</a>
<a href="#">8</a>	GEN	GUELPH, CITY OF 17-483	29 WATERWORKS PLACE, WATER DEPT. GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">121</a>
<a href="#">8</a>	GEN	GUELPH, CITY OF 17-483	WATER DEPT. 29 WATERWORKS PLACE C/O CARDEN ST. GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">121</a>
<a href="#">8</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">121</a>
<a href="#">8</a>	PRT	CITY OF GUELPH	29 WATER WORKS PL GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">12</a>
<a href="#">8</a>	SPL	Hayman Construction Inc.	29 Waterworks Pl F.M. WOODS STATION Guelph ON N1E 6P7	N/42.6	312.00	<a href="#">122</a>
<a href="#">8</a>	SPL	TRANSPORT TRUCK	29 WATERWORKS PLACE TRANSPORT TRUCK (CARGO) GUELPH ON N1E 6P7	N/42.6	312.00	<a href="#">122</a>
<a href="#">9</a>	WWIS		ON	WNW/96.5	312.00	<a href="#">122</a>
<a href="#">10</a>	WWIS		ON	NW/126.3	312.00	<a href="#">122</a>
<a href="#">11</a>	WWIS		ON	NW/129.2	312.54	<a href="#">123</a>
<a href="#">12</a>	WWIS		ON	NW/131.2	312.08	<a href="#">123</a>
<a href="#">13</a>	WWIS		ON	NW/147.7	313.00	<a href="#">123</a>
<a href="#">14</a>	WWIS		ON	NW/148.1	312.91	<a href="#">124</a>
<a href="#">15</a>	WDSH		Boult Ave. GUELPH ON	NNE/69.8	311.00	<a href="#">124</a>
<a href="#">16</a>	CA	Woods Station - 29 Waterworks Place	Part of Lots 4 & 5, Broken Front Part Division F Guelph ON	N/97.6	312.00	<a href="#">124</a>
<a href="#">16</a>	CA	Woods Station - 29 Waterworks Place	Part of Lots 4 & 5, Broken Front Part Division F Guelph ON	N/97.6	312.00	<a href="#">125</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">17</a>	ANDR	Boult Ave Dump	Guelph ON N1E 5W7	NNE/60.2	311.00	<a href="#">125</a>
<a href="#">18</a>	GEN	NGF CANADA LIMITED	255 YORK RD GUELPH ON	NW/230.6	314.00	<a href="#">126</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">12</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">12</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">127</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">127</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">12</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC	247 YORK ROAD, GLASS PLANT GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">12</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">12</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">12</a>
<a href="#">19</a>	CA	OC Celfortec Inc. and Owens Corning Composite Materials Canada GP Inc.	247 York St Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">129</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">129</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">12</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA		247 York Road Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">130</a>
<a href="#">19</a>	CA	Owens-Corning Canada Inc.	247 York Road Guelph ON	WNW/230.4	314.00	<a href="#">130</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.(SEE NOT. 17-1-92)	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA		247 York Rd. Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">131</a>

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<a href="#">19</a>	CA		247 York Rd. Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">131</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">132</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">134</a>
<a href="#">19</a>	CA	Owens Corning Canada Inc.	247 York Road Guelph ON	WNW/230.4	314.00	<a href="#">135</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">135</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">135</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">136</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">137</a>
<a href="#">19</a>	CA		247 York Rd. Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">137</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA	OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">13</a>
<a href="#">19</a>	CA		247 York Rd. Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">139</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc.Guelph Glass	247 York Road City of Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">139</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc.Guelph Glass	247 York Road City of Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">140</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc	247 York Rd. Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">140</a>
<a href="#">19</a>	EBR	OC Celfortec Inc. and Owens Corning Composite Materials Canada GP Inc.	247 York Street Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">140</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc	247 York Road City of Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">140</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc.	247 York Rd Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">141</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc	247 York Road City of Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">141</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc	247 York Rd. Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">141</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc.Guelph Glass	247 YORK RD. City of Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">141</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc	247 York Rd. Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">142</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc.	247 York Rd Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">142</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc.Guelph Glass	247 YORK ROAD City of Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">142</a>
<a href="#">19</a>	EBR	Owens-Corning Canada Inc	247 York Road City of Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">142</a>
<a href="#">19</a>	EHS		247 York Road Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">143</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">19</a>	EHS		247 York R n/a ON N1E 3G4	WNW/230.4	314.00	<a href="#">143</a>
<a href="#">19</a>	GEN	FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">143</a>
<a href="#">19</a>	GEN	OWENS-CORNING Insulating Systems Canada LP	247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">144</a>
<a href="#">19</a>	GEN	OWENS-CORNING Insulating Systems Canada LP	247 YORK ROAD GUELPH ON	WNW/230.4	314.00	<a href="#">145</a>
<a href="#">19</a>	GEN	OWENS-CORNING Insulating Systems Canada LP	247 YORK ROAD GUELPH ON	WNW/230.4	314.00	<a href="#">147</a>
<a href="#">19</a>	GEN	FIBERGLAS CANADA INC	(TEXTILE PLANT/247 YORK RD) PO BOX 3603 GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">148</a>
<a href="#">19</a>	GEN	FIBERGLASS CANADA INC.	247 YORK RD. GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">149</a>
<a href="#">19</a>	GEN	OWENS-CORNING CANADA INC.	GUELPH GLASS PLANT 247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">149</a>
<a href="#">19</a>	GEN	OWENS-CORNING Insulating Systems Canada LP	247 YORK ROAD GUELPH ON	WNW/230.4	314.00	<a href="#">150</a>
<a href="#">19</a>	GEN	OWENS-CORNING Insulating Systems Canada LP	247 YORK ROAD GUELPH ON	WNW/230.4	314.00	<a href="#">151</a>
<a href="#">19</a>	GEN	OWENS-CORNING CANADA INC. 15-022	GUELPH GLASS PLANT 247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">153</a>
<a href="#">19</a>	GEN	OWENS-CORNING Insulating Systems Canada LP	247 YORK ROAD GUELPH ON N1H 6P6	WNW/230.4	314.00	<a href="#">154</a>
<a href="#">19</a>	GEN	OWENS-CORNING Insulating Systems Canada LP	247 YORK ROAD GUELPH ON	WNW/230.4	314.00	<a href="#">155</a>
<a href="#">19</a>	GEN	OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH ON N1H 6P6	WNW/230.4	314.00	<a href="#">156</a>
<a href="#">19</a>	NPCB	OWENS CORNING CANADA INC.	247 YORK ROAD South west corner of the plant Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">157</a>
<a href="#">19</a>	NPCB	FIBERGLAS CANADA	GUELPH TEXTILE PLANT; 247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">15</a>
<a href="#">19</a>	NPCB	OWENS-CORNING CANADA INC.	247 YORK ROAD YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">158</a>
<a href="#">19</a>	NPCB	OWENS-CORNING CANADA INC.	P.O. BOX 3603; 247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">15</a>
<a href="#">19</a>	NPCB	OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">15</a>

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<a href="#">19</a>	NPCB	FIBERGLAS CANADA INC	247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">15</a>
<a href="#">19</a>	NPCB	OWENS CORNING CANADA INC.	247 YORK ROAD YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">160</a>
<a href="#">19</a>	NPCB	OWENS CORNING CANADA INC.	SOUTH WEST CORNER OF THE PLANT 247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">160</a>
<a href="#">19</a>	OPCB	OWENS-CORNING CANADA INC.	P.O. BOX 3603 247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">161</a>
<a href="#">19</a>	OPCB	OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">162</a>
<a href="#">19</a>	REC	FIBERGLASS CANADA INC.	247 YORK RD. GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">162</a>
<a href="#">19</a>	REC	FIBERGLASS CANADA INC.	247 YORK RD. GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">162</a>
<a href="#">19</a>	SCT	Owens Corning Canada	247 York Rd Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">162</a>
<a href="#">19</a>	SCT	OWENS-CORNING CANADA	247 YORK RD GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">163</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	ALPHA OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">163</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK RD GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH ON N1E 3G4	WNW/230.4	314.00	<a href="#">164</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	Owens-Corning Canada Inc.	247 York Road Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">164</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK RD. GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	Owens Corning Canada Inc.	247 York Rd Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">165</a>
<a href="#">19</a>	SPL	Owens Corning Composite Materials Canada GP Inc.	247 York Rd Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">165</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	GUELPH PLANT #1` YORK ROAD GUELPH CITY ON N1E 3G4	247 WNW/230.4	314.00	<a href="#">16</a>

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<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	ALPHA OWENS CORNING CANADA	247 YORK RD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	FIBERGLAS CANADA INC.	GUELPH PLANT 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	Owens Corning Composite Materials Canada GP Inc.	247 York Rd Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">167</a>
<a href="#">19</a>	SPL	Owens Corning	247 York Rd Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">167</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">16</a>
<a href="#">19</a>	SPL	Owens Corning Canada Inc.	247 York Road Guelph ON N1E 3G4	WNW/230.4	314.00	<a href="#">168</a>
<a href="#">19</a>	SPL	OWENS CORNING CANADA	WATERWORKS PLACE GUELPH PLANT #1, 247 YORK ROAD \GUELPH GUELPH CITY ON N1E 3G4	WNW/230.4	314.00	<a href="#">168</a>
<a href="#">20</a>	NPRI	Owens-Corning Guelph Glass Plant	Guelph ON	WNW/242.4	314.00	<a href="#">169</a>
<a href="#">20</a>	NPRI	OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">169</a>
<a href="#">20</a>	NPRI	Owens Corning Composite Materials Canada LP	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">170</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">171</a>
<a href="#">20</a>	NPRI	OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">172</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">173</a>
<a href="#">20</a>	NPRI	Owens-Corning Guelph Glass Plant	247 York Road Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">173</a>
<a href="#">20</a>	NPRI	OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">174</a>
<a href="#">20</a>	NPRI	OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">176</a>



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<a href="#">20</a>	NPRI	OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">177</a>
<a href="#">20</a>	NPRI	OWENS CORNING COMPOSITE MATERIALS CANADA LP	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">178</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">178</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">179</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">180</a>
<a href="#">20</a>	NPRI	OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">180</a>
<a href="#">20</a>	NPRI	Owens Corning Composite Materials Canada LP	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">181</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">182</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">182</a>
<a href="#">20</a>	NPRI	Owens-Corning Guelph Glass Plant	247 York Road Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">184</a>
<a href="#">20</a>	NPRI	Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	WNW/242.4	314.00	<a href="#">184</a>
<a href="#">20</a>	NPRI	Owens Corning Composite Materials Canada LP	247 York Road Guelph ON N1H6P6	WNW/242.4	314.00	<a href="#">184</a>
<a href="#">21</a>	CA	NGF Canada Limited	255 York Rd Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">185</a>
<a href="#">21</a>	CA	NGF Canada Limited	255 York Rd Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">186</a>
<a href="#">21</a>	CA	NGF CANADA LIMITED	255 YORK ROAD GUELPH CITY ON N1E 3G4	NNW/221.5	314.00	<a href="#">18</a>
<a href="#">21</a>	CA	NGF Canada Limited	255 York Road Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">186</a>
<a href="#">21</a>	CA	NGF Canada Limited	255 York Rd Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">187</a>
<a href="#">21</a>	CA	NGF Canada Limited	255 York Road Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">187</a>
<a href="#">21</a>	EBR	NGF Canada Limited	255 York Road Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">187</a>

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<a href="#">21</a>	EBR	NGF Canada Limited	255 York Road Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">187</a>
<a href="#">21</a>	EBR	NGF Canada Limited	255 York Road Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">188</a>
<a href="#">21</a>	EBR	NGF Canada Limited	255 York Road Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">188</a>
<a href="#">21</a>	GEN	NGF CANADA LIMITED	255 YORK ROAD GUELPH ON N1E 3G4	NNW/221.5	314.00	<a href="#">188</a>
<a href="#">21</a>	GEN	NGF CANADA LIMITED	255 YORK ROAD GUELPH ON N1E 3G4	NNW/221.5	314.00	<a href="#">189</a>
<a href="#">21</a>	GEN	NGF CANADA LIMITED	255 YORK ROAD GUELPH ON N1E 3G4	NNW/221.5	314.00	<a href="#">189</a>
<a href="#">21</a>	GEN	NGF CANADA LIMITED	255 YORK RD GUELPH ON	NNW/221.5	314.00	<a href="#">190</a>
<a href="#">21</a>	GEN	NGF CANADA LIMITED	255 YORK ROAD GUELPH ON N1E 3G4	NNW/221.5	314.00	<a href="#">190</a>
<a href="#">21</a>	GEN	NGF CANADA LIMITED	255 YORK ROAD GUELPH ON N1E 3G4	NNW/221.5	314.00	<a href="#">190</a>
<a href="#">21</a>	NPRI	NGF CANADA	255 YORK Road GUELPH ON N1E3G4	NNW/221.5	314.00	<a href="#">191</a>
<a href="#">21</a>	SCT	NGF CANADA Limited	255 York Rd Guelph ON N1E 3G4	NNW/221.5	314.00	<a href="#">192</a>
<a href="#">21</a>	SCT	N G F CANADA LIMITED	255 YORK RD GUELPH ON N1E 3G4	NNW/221.5	314.00	<a href="#">19</a>
<a href="#">22</a>	WWIS		ON	N/174.8	313.00	<a href="#">193</a>
<a href="#">23</a>	WWIS		CITY OF GUEL ON	WNW/257.2	314.00	<a href="#">194</a>
<a href="#">24</a>	GEN	Guelph Golf & Recreation Club Ltd.	P.O. Box 666 190 College Ave. East Guelph ON	S/224.9	321.87	<a href="#">194</a>
<a href="#">24</a>	PTTW	Guelph Cutten Club	190 College Avenue East, Lot: 3, Concession: 1 Guelph ON N1G 3B9	S/224.9	321.87	<a href="#">195</a>
<a href="#">25</a>	CA		Owens Corning-Guelph Glass Plant Guelph ON	NW/286.2	315.00	<a href="#">195</a>
<a href="#">25</a>	NPCB	FIBERGLAS CANADA	GUELPH CHEMICAL PLANT; BOX 1448 GUELPH ON N1H 6N9	NW/286.2	315.00	<a href="#">19</a>
<a href="#">25</a>	NPCB	OWENS CORNING CANADA INC.	GUELPH CHEMICAL PLANT GUELPH CHEMICAL PLANT GUELPH ON	NW/286.2	315.00	<a href="#">195</a>

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<a href="#">25</a>	SPL	OWENS CORNING CANADA	OWENS CORNING GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH CITY ON	NW/286.2	315.00	<a href="#">196</a>
<a href="#">25</a>	SPL	OWENS CORNING CANADA	SPEED RIVER GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON	NW/286.2	315.00	<a href="#">19</a>
<a href="#">26</a>	WWIS		ON	NNW/278.3	314.86	<a href="#">196</a>
<a href="#">27</a>	SCT	Clear Choice Window Mfg. Inc.	34 Hooper St Unit B Guelph ON N1E 5W5	W/160.3	312.00	<a href="#">197</a>
<a href="#">28</a>	CA	OWENS-CORNING CANADA INC	165 YORK ROAD GUELPH CITY ON N1E 3G1	W/222.4	312.00	<a href="#">19</a>
<a href="#">28</a>	CA	FIBERGLAS CANADA INC.	165 YORK RD. GUELPH CITY ON N1E 3G1	W/222.4	312.00	<a href="#">197</a>
<a href="#">28</a>	EBR	Owens-Corning Canada Inc	165 York Road City of Guelph ON N1E 3G1	W/222.4	312.00	<a href="#">198</a>
<a href="#">28</a>	GEN	OWENS CORNING CANADA INC.	165 YORK ROAD GUELPH ON N1E 3G1	W/222.4	312.00	<a href="#">198</a>
<a href="#">28</a>	GEN	OWENS CORNING CANADA INC.	TECHNICAL SERVICES BUILDING 165 YORK ROAD GUELPH ON N1H 6P6	W/222.4	312.00	<a href="#">199</a>
<a href="#">28</a>	GEN	OWENS-CORNING CANADA INC.	165 YORK ROAD TECHNICAL SERVICES BUILDING GUELPH ON N1E 3G1	W/222.4	312.00	<a href="#">200</a>
<a href="#">28</a>	GEN	OWENS-CORNING CANADA INC. 15-242	GUELPH TSO 165 YORK ROAD GUELPH ON N1E 3G1	W/222.4	312.00	<a href="#">201</a>
<a href="#">28</a>	GEN	FIBERGLAS CANADA INC	RESEARCH & DEVELOPMENT 165 YORK ROAD GUELPH ON N1E 3G1	W/222.4	312.00	<a href="#">201</a>
<a href="#">29</a>	WWIS		Guelph ON	WNW/312.9	313.00	<a href="#">202</a>
<a href="#">30</a>	RSC		45 Hooper Street Guelph ON N1E 5W6	WSW/101.0	311.00	<a href="#">202</a>
<a href="#">31</a>	WWIS		ON	NW/345.0	315.00	<a href="#">203</a>
<a href="#">32</a>	SPL	TRANSPORT TRUCK	COURTICE ROAD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON	NNW/324.9	315.00	<a href="#">20</a>
<a href="#">33</a>	WWIS		Guelph ON	WNW/308.4	313.00	<a href="#">203</a>
<a href="#">34</a>	WWIS		Guelph ON	WNW/318.0	313.00	<a href="#">204</a>
<a href="#">35</a>	WWIS		Guelph ON	NNW/300.5	315.00	<a href="#">204</a>

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<a href="#">36</a>	WWIS		ON	WNW/313.7	313.00	<a href="#">205</a>
<a href="#">37</a>	WWIS		Guelph ON	WNW/322.9	313.00	<a href="#">205</a>
<a href="#">38</a>	WWIS		Guelph ON	WNW/305.6	313.00	<a href="#">206</a>
<a href="#">39</a>	WWIS		Guelph ON	WNW/333.3	313.00	<a href="#">206</a>
<a href="#">40</a>	WWIS		Guelph ON	WNW/304.7	313.00	<a href="#">207</a>
<a href="#">41</a>	WWIS		ON	NNW/309.5	315.00	<a href="#">207</a>
<a href="#">42</a>	WWIS		Guelph ON	WNW/339.1	313.00	<a href="#">207</a>
<a href="#">43</a>	WWIS		Guelph ON	WNW/302.8	313.00	<a href="#">208</a>
<a href="#">44</a>	WWIS		Guelph ON	W/284.4	313.00	<a href="#">208</a>
<a href="#">45</a>	WWIS		Guelph ON	W/285.6	313.00	<a href="#">209</a>
<a href="#">46</a>	WWIS		Guelph ON	WNW/302.7	313.00	<a href="#">209</a>
<a href="#">47</a>	WWIS		Guelph ON	WNW/339.8	313.16	<a href="#">209</a>
<a href="#">48</a>	WWIS		Guelph ON	WNW/341.5	313.24	<a href="#">210</a>
<a href="#">49</a>	WWIS		Guelph ON	WNW/335.5	313.00	<a href="#">210</a>
<a href="#">50</a>	WWIS		Guelph ON	WNW/337.8	313.04	<a href="#">211</a>
<a href="#">51</a>	WWIS		Guelph ON	WNW/307.1	313.00	<a href="#">211</a>
<a href="#">52</a>	WWIS		ON	WSW/84.3	311.00	<a href="#">212</a>
<a href="#">53</a>	WWIS		Guelph ON	WNW/301.5	313.00	<a href="#">212</a>
<a href="#">54</a>	WWIS		Guelph ON	WNW/301.7	313.00	<a href="#">212</a>

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<a href="#">55</a>	WWIS		GUEPLH ON	WNW/329.6	313.00	<a href="#">213</a>
<a href="#">56</a>	WWIS		Guelph ON	WNW/306.6	313.00	<a href="#">213</a>
<a href="#">57</a>	WWIS		GUELPH ON	WNW/343.1	313.20	<a href="#">214</a>
<a href="#">58</a>	WWIS		Guelph ON	W/252.9	313.00	<a href="#">214</a>
<a href="#">59</a>	WWIS		GUELPH ON	WNW/317.9	313.00	<a href="#">214</a>
<a href="#">59</a>	WWIS		KING CITY ON	WNW/317.9	313.00	<a href="#">215</a>
<a href="#">60</a>	WWIS		Guelph ON	WNW/302.2	313.00	<a href="#">216</a>
<a href="#">61</a>	WWIS		GUELPH ON	WNW/342.8	313.66	<a href="#">216</a>
<a href="#">61</a>	WWIS		lot 3 GUELPH ON	WNW/342.8	313.66	<a href="#">216</a>
<a href="#">62</a>	WWIS		GUELPH ON	WNW/345.8	313.73	<a href="#">217</a>
<a href="#">63</a>	WWIS		Guelph ON	WNW/322.1	313.29	<a href="#">217</a>
<a href="#">64</a>	WWIS		Guelph ON	WNW/346.4	314.00	<a href="#">218</a>
<a href="#">65</a>	GEN	FRED E. PRIOR & SONS LIMITED	34 HOOD STREET GUELPH ON N1E 5W3	WSW/131.6	311.69	<a href="#">218</a>
<a href="#">65</a>	GEN	FRED E. PRIOR & SONS LTD.	34 HOOD STREET GUELPH ON N1E 5W3	WSW/131.6	311.69	<a href="#">219</a>
<a href="#">65</a>	GEN	FRED E. PRIOR & SONS LTD.	34 HOOD STREET GUELPH ON N1E 5W3	WSW/131.6	311.69	<a href="#">219</a>
<a href="#">65</a>	RSC	Estate of Arnold Prior	34 HOOD ST, GUELPH, ON, N1E 5W3 Guelph ON N1E 5W3	WSW/131.6	311.69	<a href="#">219</a>
<a href="#">66</a>	EHS		139 Morris St Guelph ON N1E5M6	NNW/389.3	315.00	<a href="#">219</a>
<a href="#">67</a>	WWIS		GUELPH ON	WNW/344.9	314.00	<a href="#">220</a>
<a href="#">68</a>	CA	Fred E. Prior & Sons Limited	38 Hood Street Guelph ON N1E 5W3	WSW/101.0	311.00	<a href="#">220</a>

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<a href="#">68</a>	GEN	Fred E. Prior and Sons Limited	38 Hood Street Guelph ON N1E5W3	WSW/101.0	311.00	<a href="#">220</a>
<a href="#">68</a>	GEN	Fred E. Prior and Sons Limited	38 Hood Street Guelph ON N1E 5W3	WSW/101.0	311.00	<a href="#">221</a>
<a href="#">68</a>	GEN	Fred E. Prior and Sons Limited	38 Hood Street Guelph ON N1E5W3	WSW/101.0	311.00	<a href="#">221</a>
<a href="#">68</a>	GEN	Fred E. Prior and Sons Limited	38 Hood Street Guelph ON	WSW/101.0	311.00	<a href="#">221</a>
<a href="#">68</a>	SPL	Fred Pryor and Sons<UNOFFICIAL>	38 Hood St Guelph ON N1E 5W3	WSW/101.0	311.00	<a href="#">221</a>
<a href="#">69</a>	GEN	Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON	WNW/378.1	314.00	<a href="#">222</a>
<a href="#">69</a>	GEN	Upper Grand District School Board	131 Ontario Street Guelph ON	WNW/378.1	314.00	<a href="#">222</a>
<a href="#">70</a>	CA	139 Morris Street, Unit 3	139 Morris Street, Unit 3, Plan 322, Lots 21-30 Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">222</a>
<a href="#">70</a>	CA	ABS On Time Logistics Corp.	139 Morris Street Guelph ON	NNW/397.0	315.00	<a href="#">222</a>
<a href="#">70</a>	EBR	ABS On Time Logistics Inc.	139 Morris Street Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">223</a>
<a href="#">70</a>	EBR	ABS On Time Logistics Inc	139 Morris Street Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">223</a>
<a href="#">70</a>	EHS		139 Morris Street Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">223</a>
<a href="#">70</a>	EHS		139 Morris Street Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">223</a>
<a href="#">70</a>	GEN	BILTMORE CANADA INC. 04-255	139 MORRIS STREET C/O P.O. BOX 690 GUELPH ON N1E 5M6	NNW/397.0	315.00	<a href="#">224</a>
<a href="#">70</a>	GEN	ABS ONTIME LOGISTICS INC.	139 MORRIS STREET GUELPH ON	NNW/397.0	315.00	<a href="#">224</a>
<a href="#">70</a>	GEN	BILTMORE CANADA INC.	139 MORRIS STREET C/O P.O. BOX 690 GUELPH ON N1E 5M6	NNW/397.0	315.00	<a href="#">224</a>
<a href="#">70</a>	GEN	139 morris street holdings ltd	139 morris street Guelph ON	NNW/397.0	315.00	<a href="#">225</a>
<a href="#">70</a>	GEN	ABS ONTIME LOGISTICS INC.	139 MORRIS STREET GUELPH ON	NNW/397.0	315.00	<a href="#">225</a>
<a href="#">70</a>	GEN	139 morris street holdings ltd	139 morris street Guelph ON	NNW/397.0	315.00	<a href="#">226</a>

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<a href="#">70</a>	GEN	BILTMORE CANADA INC.	139 MORRIS STREET GUELPH ON N1H 6L7	NNW/397.0	315.00	<a href="#">226</a>
<a href="#">70</a>	GEN	BILTMORE CANADA INCORPORATED	139 MORRIS STREET GUELPH ON N1H 6L7	NNW/397.0	315.00	<a href="#">226</a>
<a href="#">70</a>	GEN	ABS ONTIME LOGISTICS INC.	139 MORRIS STREET GUELPH ON N1H 6L7	NNW/397.0	315.00	<a href="#">227</a>
<a href="#">70</a>	SCT	Northern Sport Fishing Products Ltd.	139 Morris St Unit 2 Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">227</a>
<a href="#">70</a>	SCT	FM WIRE SERVICE	139 Morris St Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">227</a>
<a href="#">70</a>	SCT	FM Wire Products	139 Morris St Unit 5 Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">228</a>
<a href="#">70</a>	SCT	Biltmore Hats Inc.	139 Morris St Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">22</a>
<a href="#">70</a>	SCT	Northern Sport Fishing	139 Morris St Unit 2 Guelph ON N1E 5M6	NNW/397.0	315.00	<a href="#">228</a>
<a href="#">71</a>	GEN	139 morris street holdings ltd	139 morris street Guelph ON	NNW/399.4	315.00	<a href="#">228</a>
<a href="#">72</a>	WWIS		ON	NW/441.3	315.00	<a href="#">229</a>
<a href="#">73</a>	WWIS		ON	NNW/415.2	315.00	<a href="#">229</a>
<a href="#">74</a>	WWIS		GUELPH ON	WNW/389.6	314.15	<a href="#">230</a>
<a href="#">75</a>	WWIS		GUEPLH ON	WNW/372.5	314.00	<a href="#">230</a>
<a href="#">76</a>	GEN	Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	WNW/378.7	314.00	<a href="#">231</a>
<a href="#">76</a>	GEN	Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	WNW/378.7	314.00	<a href="#">231</a>
<a href="#">76</a>	GEN	Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	WNW/378.7	314.00	<a href="#">231</a>
<a href="#">76</a>	GEN	Upper Grand District School Board	131 Ontario Street Guelph ON	WNW/378.7	314.00	<a href="#">231</a>
<a href="#">76</a>	GEN	Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	WNW/378.7	314.00	<a href="#">232</a>
<a href="#">76</a>	GEN	Upper Grand District School Board Tytler Public School	131 Ontario Street Guelph ON N1E 3B3	WNW/378.7	314.00	<a href="#">232</a>



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<a href="#">76</a>	GEN	Upper Grand District School Board	Tytler P.S. - 131 Ontario St. Guelph ON N1E 3B3	WNW/378.7	314.00	<a href="#">232</a>
<a href="#">76</a>	GEN	Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	WNW/378.7	314.00	<a href="#">232</a>
<a href="#">76</a>	SPL	PRIVATE OWNER	TYLER PUBLIC SCHOOL, 131 ONTARIO STREET MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON N1E 3B3	WNW/378.7	314.00	<a href="#">23</a>
<a href="#">77</a>	WWIS		ON	NW/451.3	315.00	<a href="#">233</a>
<a href="#">78</a>	WWIS		Guelph ON	W/285.2	314.00	<a href="#">233</a>
<a href="#">79</a>	WWIS		ON	NNW/424.5	315.00	<a href="#">233</a>
<a href="#">80</a>	WWIS		Guelph ON	W/281.3	314.00	<a href="#">234</a>
<a href="#">81</a>	WWIS		ON	NNW/417.1	315.00	<a href="#">234</a>
<a href="#">82</a>	WWIS		lot 5 ON	NNE/88.7	313.31	<a href="#">235</a>
<a href="#">83</a>	SPL	PRIVATE RESIDENCE	206 NEEVE ST. FURNACE OIL TANK GUELPH CITY ON N1E 5S4	W/185.9	313.94	<a href="#">23</a>
<a href="#">84</a>	WWIS		ON	E/390.8	327.78	<a href="#">236</a>
<a href="#">85</a>	RSC	Elinor Knight	35 BROCKVILLE AVE, GUELPH, ON, N1E 5X5 GUELPH ON N1E 5X5	NNE/142.5	314.00	<a href="#">236</a>
<a href="#">85</a>	RSC	Stone Cliff Ridge Developments Inc.	35 Brockville Avenue Guelph ON	NNE/142.5	314.00	<a href="#">236</a>
<a href="#">85</a>	RSC	Stone Cliff Ridge Developments Inc.	35 Brockville Avenue Guelph ON N1E 5X5	NNE/142.5	314.00	<a href="#">237</a>
<a href="#">85</a>	SPL	denied s. 21(1)	35 Brockville Avenue Guelph ON N1E 5X5	NNE/142.5	314.00	<a href="#">237</a>
<a href="#">86</a>	WWIS		Guelph ON	NNE/131.3	314.61	<a href="#">238</a>
<a href="#">87</a>	WWIS		ON	NNE/135.3	314.97	<a href="#">238</a>
<a href="#">88</a>	WWIS		GUELPH ON	NNE/134.2	315.00	<a href="#">238</a>
<a href="#">89</a>	GEN	FirstOnSite	98 Ontario St Guelph ON	WNW/419.5	315.00	<a href="#">239</a>

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<a href="#">89</a>	HINC		98 ONTARIO STREET GUELPH ON N1E 3B2	WNW/419.5	315.00	<a href="#">239</a>
<a href="#">90</a>	WWIS		GUELPH ON	NNE/147.3	315.00	<a href="#">239</a>
<a href="#">91</a>	WWIS		GUELPH ON	NNE/152.9	314.99	<a href="#">240</a>
<a href="#">92</a>	SPL	CRAWFORD TRANSPORT	STEPHENSON AND YORK ROAD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON	N/289.9	314.00	<a href="#">24</a>
<a href="#">93</a>	WWIS		GUELPH ON	NNE/149.7	315.00	<a href="#">241</a>
<a href="#">94</a>	WWIS		GUELPH ON	NNE/175.8	315.00	<a href="#">241</a>
<a href="#">95</a>	WWIS		GUELPH ON	NNE/151.9	315.00	<a href="#">241</a>
<a href="#">95</a>	WWIS		GUELPH ON	NNE/151.9	315.00	<a href="#">242</a>
<a href="#">96</a>	WWIS		ON	NNE/147.3	315.00	<a href="#">242</a>
<a href="#">97</a>	EHS		Stevensen St S (between York and Elizabeth) Guelph ON	NNW/455.7	315.00	<a href="#">243</a>
<a href="#">98</a>	WWIS		GUELPH ON	NNE/155.3	315.00	<a href="#">243</a>
<a href="#">99</a>	WWIS		GUELPH ON	NNE/225.8	315.00	<a href="#">243</a>
<a href="#">100</a>	WWIS		ON	SW/229.0	310.86	<a href="#">244</a>
<a href="#">101</a>	WWIS		lot 15 con 2 ROCKWOOD ON	S/488.9	324.52	<a href="#">244</a>
<a href="#">102</a>	WWIS		GEULPH ON	WSW/79.4	312.03	<a href="#">244</a>
<a href="#">103</a>	WWIS		ON	E/499.0	327.63	<a href="#">245</a>
<a href="#">104</a>	EHS		172 Arthur Street & 20 Manitoba St Guelph ON	WNW/389.7	315.00	<a href="#">245</a>
<a href="#">105</a>	WWIS		ON	E/392.2	329.99	<a href="#">245</a>
<a href="#">106</a>	SPL	BILLMORE HATS	STORM SEWER OUTFALL AT END OF BROCKVILLE AVE @ YORK RD 139 MORRIS ST, GUELPH GUELPH CITY ON	NNE/298.5	315.00	<a href="#">246</a>

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<a href="#">107</a>	SCT	Boxed Meat Revolution Ltd.	383 York Rd Guelph ON N1E 3H3	NNE/274.0	315.00	<a href="#">246</a>
<a href="#">108</a>	WWIS		GUELPH ON	NNE/314.5	315.00	<a href="#">246</a>
<a href="#">109</a>	WWIS		Guelph ON	ENE/343.5	327.44	<a href="#">247</a>
<a href="#">110</a>	WWIS		ON	E/415.1	330.21	<a href="#">247</a>
<a href="#">111</a>	WWIS		ON	E/404.6	330.07	<a href="#">248</a>
<a href="#">112</a>	WWIS		ON	E/415.5	330.43	<a href="#">248</a>
<a href="#">113</a>	FST	AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	NNE/318.9	315.00	<a href="#">248</a>
<a href="#">113</a>	FST	AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	NNE/318.9	315.00	<a href="#">249</a>
<a href="#">113</a>	FST	AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	NNE/318.9	315.00	<a href="#">249</a>
<a href="#">113</a>	FST	AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	NNE/318.9	315.00	<a href="#">249</a>
<a href="#">113</a>	RST	MAPLE LEAF GAS & FUELS LTD	390 YORK RD GUELPH ON N1E3H4	NNE/318.9	315.00	<a href="#">250</a>
<a href="#">114</a>	FSTH	MAPLE LEAF GAS	390 YORK RD GUELPH ON N1E 3H4	NNE/323.9	315.00	<a href="#">250</a>
<a href="#">114</a>	FSTH	MAPLE LEAF GAS	390 YORK RD GUELPH ON N1E 3H4	NNE/323.9	315.00	<a href="#">250</a>
<a href="#">114</a>	PRT	MAPLE LEAF GAS & FUELS LTD AND QUALITY AUTO GLASS	390 YORK RD GUELPH ON N1E3H4	NNE/323.9	315.00	<a href="#">25</a>
<a href="#">114</a>	RST	MAPLE LEAF GAS & FUELS LTD	390 YORK RD GUELPH ON N1E 3H4	NNE/323.9	315.00	<a href="#">251</a>
<a href="#">115</a>	GEN	BURNELL PRINTING LIMITED	405 YORK RD. GUELPH ON N1E 3H3	NNE/279.1	315.00	<a href="#">251</a>
<a href="#">115</a>	GEN	BURNELL PRINTING LIMITED	405 YORK ROAD GUELPH ON N1E 3H3	NNE/279.1	315.00	<a href="#">252</a>
<a href="#">115</a>	GEN	BURNELL PRINTING LIMITED 06-144	405 YORK RD. GUELPH ON N1E 3H3	NNE/279.1	315.00	<a href="#">252</a>
<a href="#">116</a>	EHS		161 Neeve Street & 47 Richardson Street South Guelph ON	W/214.6	314.54	<a href="#">252</a>

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<a href="#">117</a>	WWIS		ON	N/449.0	315.00	<a href="#">253</a>
<a href="#">118</a>	EBR	Insitu Contractors Inc.	Guelph ON N1E 5N7	N/461.8	315.00	<a href="#">253</a>
<a href="#">118</a>	EBR	Insitu Contractors Inc.	Guelph ON N1E 5N7	N/461.8	315.00	<a href="#">253</a>
<a href="#">118</a>	EBR	Insitu Contractors Inc.	Guelph ON	N/461.8	315.00	<a href="#">253</a>
<a href="#">119</a>	GEN	Insitu Contractors Inc.	150 Stevenson St S Guelph ON	N/442.3	315.00	<a href="#">254</a>
<a href="#">120</a>	AUWR	PRE-SIXTIES CARS & PARTS LTD	60 ONTARIO ST GUELPH ON N1E3B1	W/376.3	314.97	<a href="#">254</a>
<a href="#">121</a>	GEN	Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	N/445.3	315.00	<a href="#">254</a>
<a href="#">121</a>	GEN	Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	N/445.3	315.00	<a href="#">254</a>
<a href="#">121</a>	GEN	Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	N/445.3	315.00	<a href="#">255</a>
<a href="#">121</a>	GEN	Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	N/445.3	315.00	<a href="#">255</a>
<a href="#">121</a>	GEN	Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	N/445.3	315.00	<a href="#">255</a>
<a href="#">121</a>	GEN	Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	N/445.3	315.00	<a href="#">255</a>
<a href="#">121</a>	SCT	Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	N/445.3	315.00	<a href="#">256</a>
<a href="#">122</a>	CA	TALLON METAL TECHNOLOGIES INC. - LOT 1	STEVENSON ST./BEVERLY ST. GUELPH CITY ON	N/480.8	315.00	<a href="#">25</a>
<a href="#">122</a>	GEN	GUELPH HYDRO	BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH ON N1H 1A7	N/480.8	315.00	<a href="#">256</a>
<a href="#">122</a>	GEN	GUELPH HYDRO	BEVERLEY ST. AT STEVENSON ST. SOUTH GUELPH ON N1H 1A7	N/480.8	315.00	<a href="#">257</a>
<a href="#">122</a>	GEN	GUELPH HYDRO	BEVERLEY STREET AT STEVENSON STREET SOUTH GUELPH ON	N/480.8	315.00	<a href="#">257</a>
<a href="#">122</a>	GEN	GUELPH HYDRO 18-344	BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH ON N1H 1A7	N/480.8	315.00	<a href="#">257</a>
<a href="#">123</a>	AUWR	PRE-SIXTIES CARS & PARTS LTD	60 ONTARIO ST GUELPH ON N1E 3B1	W/379.9	314.81	<a href="#">258</a>

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<a href="#">124</a>	SCT	LEWIS UPHOLSTERY	404 YORK RD GUELPH ON N1E 3H4	NNE/328.4	315.00	<a href="#">25</a>
<a href="#">125</a>	EHS		31 Alice Street Guelph ON N1E 2Z7	WNW/494.5	313.67	<a href="#">258</a>
<a href="#">126</a>	PES	TOTAL GARDENING SERVICES LTD	50 ONTARIO ST. GUELPH ON N1E 3B1	W/384.1	314.00	<a href="#">258</a>
<a href="#">126</a>	PES	TOTAL GARDENING SERVICES LTD	50 ONTARIO ST. GUELPH ON N1E 3B1	W/384.1	314.00	<a href="#">258</a>
<a href="#">126</a>	PES	TOTAL GARDENING SERVICES LTD	50 ONTARIO ST GUELPH ON N1E 3B1	W/384.1	314.00	<a href="#">258</a>
<a href="#">127</a>	EHS		James Street East Guelph ON	SW/181.6	308.00	<a href="#">258</a>
<a href="#">128</a>	SCT	Bartlett Woodworking	141 Neeve St Guelph ON N1E 5S2	W/250.9	314.00	<a href="#">259</a>
<a href="#">129</a>	GEN	Bell Canada	101 Beverly St Guelph ON	N/432.0	315.00	<a href="#">259</a>
<a href="#">130</a>	SCT	ALCO VALVES LTD.	433 YORK RD GUELPH ON N1E 3H6	NNE/284.5	315.00	<a href="#">259</a>
<a href="#">131</a>	EXP	1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	NNE/330.1	315.00	<a href="#">259</a>
<a href="#">131</a>	EXP	1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	NNE/330.1	315.00	<a href="#">260</a>
<a href="#">132</a>	EXP	1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">260</a>
<a href="#">132</a>	EXP	1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">260</a>
<a href="#">132</a>	EXP	1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">260</a>
<a href="#">132</a>	FST	SHAMLOW SERVICE O/A GAS STN	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">260</a>
<a href="#">132</a>	FST	SHAMLOW SERVICE O/A GAS STN	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">261</a>
<a href="#">132</a>	PRT	1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">26</a>
<a href="#">132</a>	PRT	SAMS AUTO SERVICE LTD	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">26</a>
<a href="#">132</a>	RST	HILTON GROUP GAS	408 YORK RD GUELPH ON N1E 3H5	NNE/333.7	315.00	<a href="#">261</a>

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<a href="#">132</a>	SPL	CANGO PETROLEUMS LTD.	408 YORK RD. SERVICE STATION GUELPH CITY ON N1E 3H5	NNE/333.7	315.00	<a href="#">26</a>
<a href="#">133</a>	SPL	ADM Agri-Industries Company	24 Ontario Street Guelph ON N1E 3B1	W/352.8	313.00	<a href="#">262</a>
<a href="#">134</a>	WWIS		ON	SW/233.1	308.78	<a href="#">262</a>
<a href="#">135</a>	CA	LINREAD CANADA LTD.	24 HAYES AVE. GUELPH CITY ON N1E 5V5	NNE/415.5	315.00	<a href="#">26</a>
<a href="#">135</a>	CA	LINREAD CANADA LTD.	24 HAYES AVE. GUELPH CITY ON N1E 5V5	NNE/415.5	315.00	<a href="#">26</a>
<a href="#">135</a>	EHS		24 Hayes Avenue Guelph ON N1E 5V5	NNE/415.5	315.00	<a href="#">263</a>
<a href="#">135</a>	GEN	702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE UNIT #1 GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">263</a>
<a href="#">135</a>	GEN	702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">264</a>
<a href="#">135</a>	GEN	702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">264</a>
<a href="#">135</a>	GEN	LINREAD CANADA LTD 24-021	24 HAYES AVE. P.O. BOX 540 GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">264</a>
<a href="#">135</a>	GEN	LINREAD CANADA LTD	24 HAYES AVE. P.O. BOX 540 GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">264</a>
<a href="#">135</a>	GEN	DALTEC INDUSTRIES LTD.	24 HAYES AVENUE GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">265</a>
<a href="#">135</a>	GEN	JET (OUT OF BUS)	24 HAYES AVENUE UNIT #2 GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">265</a>
<a href="#">135</a>	GEN	702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">265</a>
<a href="#">135</a>	SCT	KERSTING INDUSTRIES LTD.	24 HAYES AVE UNIT 1 GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">26</a>
<a href="#">135</a>	SCT	DALTEC INDUSTRIES LTD	24 HAYES AVE GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">26</a>
<a href="#">135</a>	SCT	Daltec Industries Ltd.	24 Hayes Ave Guelph ON N1E 5V5	NNE/415.5	315.00	<a href="#">266</a>
<a href="#">135</a>	SCT	INDUSTRIAL PROCESS EQUIPMENT	24 HAYES AVE GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">26</a>
<a href="#">135</a>	SCT	ALLEN SIMPSON MARKETING & DSGN	24 HAYES AVE GUELPH ON N1E 5V5	NNE/415.5	315.00	<a href="#">266</a>

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<a href="#">136</a>	EHS		26 Ontario Street n/a ON N1E 7K1	W/405.0	312.00	<a href="#">266</a>
<a href="#">136</a>	GEN	Haaston Holdings Inc.	26 Ontario Street Guelph ON N1E 7K1	W/405.0	312.00	<a href="#">267</a>
<a href="#">137</a>	SCT	Klops Meat & Deli	442 York Rd Guelph ON N1E 3H8	NNE/345.7	315.00	<a href="#">267</a>
<a href="#">138</a>	EHS		Highway 6 Guelph ON	NNE/213.7	313.07	<a href="#">267</a>
<a href="#">139</a>	WWIS		ON	SW/204.8	309.47	<a href="#">267</a>
<a href="#">140</a>	EBR	ABS Friction Inc.	City of Guelph ON	NNE/418.0	315.00	<a href="#">268</a>
<a href="#">141</a>	EHS		70 York Road Guelph ON N1E 3E6	WSW/76.6	312.00	<a href="#">268</a>
<a href="#">142</a>	RSC	Terra View Riverside Ltd.	84 and 86 Wyndham Street South and, 68 and 72 York Road GUELPH ON	WSW/126.4	312.00	<a href="#">268</a>
<a href="#">143</a>	SCT	Old World Woodworking	460 York Rd Guelph ON N1E 3H8	NNE/355.4	315.00	<a href="#">269</a>
<a href="#">144</a>	NPRI	ABS Friction Corp.	10 Kingsmill Avenue Guelph ON N1H 5V9	N/497.6	315.00	<a href="#">269</a>
<a href="#">144</a>	NPRI	ABS Friction Inc.	10 Kingsmill Avenue Guelph ON N1E5V9	N/497.6	315.00	<a href="#">270</a>
<a href="#">144</a>	NPRI	ABS FRICTION	10 Kingsmill Avenue Guelph ON N1E5V9	N/497.6	315.00	<a href="#">270</a>
<a href="#">144</a>	NPRI	ABS Friction Corp.	10 Kingsmill Avenue Guelph ON N1E5V9	N/497.6	315.00	<a href="#">271</a>
<a href="#">144</a>	NPRI	ABS Friction Inc.	10 Kingsmill Avenue Guelph ON N1E5V9	N/497.6	315.00	<a href="#">272</a>
<a href="#">144</a>	NPRI	ABS FRICTION	10 Kingsmill Avenue Guelph ON N1E5V9	N/497.6	315.00	<a href="#">272</a>
<a href="#">145</a>	CA	ABS Friction Corp.	10 Kingsmill Ave Guelph ON	NNE/446.7	315.00	<a href="#">272</a>
<a href="#">145</a>	CA	ABS Friction Corp.	10 Kingsmill Avenue Guelph ON	NNE/446.7	315.00	<a href="#">273</a>
<a href="#">145</a>	CA	ABS FRICTION INC.	10 KINGSMILL AVENUE GUELPH CITY ON N1E 5V9	NNE/446.7	315.00	<a href="#">27</a>
<a href="#">145</a>	CA		10 Kingsmill Avenue Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">273</a>

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<a href="#">145</a>	CA	ABS Friction Inc.	10 Kingsmill Ave Guelph ON	NNE/446.7	315.00	<a href="#">274</a>
<a href="#">145</a>	EBR	ABS Friction Inc	10 Kingsmill Avenue Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">274</a>
<a href="#">145</a>	EBR	ABS Friction Inc.	10 Kingsmill Avenue Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">274</a>
<a href="#">145</a>	EBR	ABS Friction Corp.	10 Kingsmill Avenue Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">275</a>
<a href="#">145</a>	EHS		10 Kingsmill Ave Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">275</a>
<a href="#">145</a>	EHS		10 Kingsmill Avenue Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">275</a>
<a href="#">145</a>	GEN	1190312 Ontario Limited	10 Kingsmill Avenue Guelph ON	NNE/446.7	315.00	<a href="#">275</a>
<a href="#">145</a>	GEN	ABS FRICTION CORP.	10 Kingsmill Avenue Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">275</a>
<a href="#">145</a>	GEN	ABS FRICTION INC.	10 Kingsmill Avenue Guelph ON	NNE/446.7	315.00	<a href="#">276</a>
<a href="#">145</a>	GEN	CAMPBELL-COX(OUT OF BUS) 07-111	10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">276</a>
<a href="#">145</a>	GEN	2049936 Ontario Ltd	10 Kingsmill Ave Guelph ON	NNE/446.7	315.00	<a href="#">276</a>
<a href="#">145</a>	GEN	GUELPH TOOL & DIE LIMITED	10 KINGSMILL AVENUE GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">277</a>
<a href="#">145</a>	GEN	ABS FRICTION INC.	10 KINGSMILL AVENUE GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">277</a>
<a href="#">145</a>	GEN	GUELPH TOOL & DIE LIMITED	10 KINGSMILL AVE. GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">277</a>
<a href="#">145</a>	GEN	ABS FRICTION INC.	10 Kingsmill Avenue Guelph ON	NNE/446.7	315.00	<a href="#">277</a>
<a href="#">145</a>	GEN	ABS FRICTION INC.	10 Kingsmill Avenue Guelph ON	NNE/446.7	315.00	<a href="#">278</a>
<a href="#">145</a>	GEN	CAMPBELL-COX FABRICATIONS	10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">278</a>
<a href="#">145</a>	GEN	GUELPH (OUT OF BUSINESS)D	10 KINGSMILL AVENUE GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">278</a>
<a href="#">145</a>	PES	KROSHERRA CORPORATION (17528 - 04/2014)	10 KINGSMILL AVE GUELPH ON N1E5V9	NNE/446.7	315.00	<a href="#">278</a>



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<a href="#">145</a>	PES	KROSHERRA CORPORATION (17528 - 04/2014)	10 KINGSMILL AVE GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">279</a>
<a href="#">145</a>	SCT	WENA MFG. CO. LTD.	10-A KINGSMILL AVE GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">27</a>
<a href="#">145</a>	SCT	ABS Friction Corp.	10 Kingsmill Ave Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">279</a>
<a href="#">145</a>	SCT	Wena Manufacturing Co. Ltd.	10 Kingsmill Rd Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">279</a>
<a href="#">145</a>	SCT	EASTWING WOOD SPECIALTIES	10 KINGSMILL AVE REAR BLDG GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">279</a>
<a href="#">145</a>	SCT	Wena Manufacturing Co. Ltd.	10 Kingsmill Ave Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">280</a>
<a href="#">145</a>	SCT	Superior Steel Fabricators	10 Kingsmill Ave Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">280</a>
<a href="#">145</a>	SCT	THOMPSON DIV OF VALCOM LTD H I	10 KINGSMILL AVE GUELPH ON N1E 5V9	NNE/446.7	315.00	<a href="#">280</a>
<a href="#">145</a>	SCT	ABS Friction Inc.	10 Kingsmill Ave Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">28</a>
<a href="#">145</a>	SPL		10 Kingsmill Ave Guelph ON	NNE/446.7	315.00	<a href="#">280</a>
<a href="#">145</a>	SPL	Superior Steel Fabricators	10 Kingsmill Ave Guelph ON N1E 5V9	NNE/446.7	315.00	<a href="#">281</a>
<a href="#">146</a>	CONV	Haastown Holdings (Guelph) Incorporated	45 Cross Street Guelph ON	W/418.1	311.00	<a href="#">281</a>
<a href="#">146</a>	SCT	Cash Rolls of Canada	45 Cross St Guelph ON N1E 2Z5	W/418.1	311.00	<a href="#">281</a>
<a href="#">146</a>	SCT	TAYLOR JAMIESON MACHINE & ENG	45 CROSS ST UNIT 5 GUELPH ON N1E 2Z5	W/418.1	311.00	<a href="#">28</a>
<a href="#">146</a>	SCT	AUTO-WRAP	45 Cross St Guelph ON N1E 2Z5	W/418.1	311.00	<a href="#">282</a>
<a href="#">147</a>	GEN	1190312 Ontario Limited	10 Kingsmill Avenue Guelph ON	NNE/436.8	315.00	<a href="#">282</a>
<a href="#">148</a>	EHS		10 Kingsmill Ave Guelph ON N1E5V9	NNE/433.8	315.00	<a href="#">282</a>
<a href="#">149</a>	CONV	Haastown Holdings (Guelph) Incorporated	35 Cross Street Guelph ON	W/410.5	311.00	<a href="#">282</a>
<a href="#">150</a>	SPL	The Corporation of the City of Guelph	York Rd and Wyndham St intersection MVA<UNOFFICIAL> Guelph ON	WSW/53.0	311.95	<a href="#">283</a>

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<a href="#">151</a>	WWIS		Guelph ON	WSW/50.5	311.62	<a href="#">283</a>
<a href="#">152</a>	SCT	BEDROSIAN RUBBER STAMPS	471 YORK RD GUELPH ON N1E 3J1	NNE/303.3	314.44	<a href="#">28</a>
<a href="#">152</a>	SCT	Bedrosian Rubber Stamps Inc.	471 York Rd Guelph ON N1E 3J1	NNE/303.3	314.44	<a href="#">284</a>
<a href="#">153</a>	WWIS		ON	SW/233.6	310.00	<a href="#">284</a>
<a href="#">154</a>	SPL	HUNTSMAN CORP	19 LAWRENCE AVE AND VICTORIA ROAD & ERAMOSIA RIVER AREA GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5Y4	NNE/256.8	313.58	<a href="#">28</a>
<a href="#">155</a>	WWIS		ON	W/456.8	310.22	<a href="#">285</a>
<a href="#">156</a>	WWIS		Guelph ON	W/447.9	310.51	<a href="#">285</a>
<a href="#">157</a>	CA	VICTOR DAVIS MEMORIAL COURT NON-PROFIT H	87 NEEVE STREET GUELPH CITY ON	W/339.5	311.00	<a href="#">28</a>
<a href="#">158</a>	GEN	BANK OF AMERICA CANADA	83 NEEVE STREET GUELPH ON N1E 5R9	W/412.7	310.00	<a href="#">286</a>
<a href="#">158</a>	NPCB	THE BANK OF AMERICA	83 NEEVE STREET GUELPH ON N1E 5R9	W/412.7	310.00	<a href="#">28</a>
<a href="#">158</a>	NPCB	THE BANK OF AMERICA - Now ANDRIN BLDG. CORP.	83 Neeve Street Guelph ON N1E 5R9	W/412.7	310.00	<a href="#">286</a>
<a href="#">158</a>	NPCB	THE BANK OF AMERICA- NOW ANDRIN BLDG. CORP.	83 NEEVE STREET GUELPH ON N1E 5R9	W/412.7	310.00	<a href="#">287</a>
<a href="#">159</a>	CA	GUELPH NON-PROFIT HSG. CORP.	85 NEEVE STREET GUELPH CITY ON	W/365.4	310.15	<a href="#">287</a>
<a href="#">160</a>	WWIS		Guelph ON	W/436.3	310.00	<a href="#">287</a>
<a href="#">161</a>	CA	McGregor Furniture Company Ltd.	490 York Rd Building E Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">288</a>
<a href="#">161</a>	CA	Christopher A. Hayes	490 York Rd Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">288</a>
<a href="#">161</a>	CHEM	ROBERTS ON GUARD PRODUCTS LTD	490 YORK RD GUELPH ON N1E 6V1	NNE/437.5	315.00	<a href="#">288</a>
<a href="#">161</a>	EBR	McGregor Furniture Company Ltd.	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">289</a>

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<a href="#">161</a>	EBR	Christopher A. Hayes	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">289</a>
<a href="#">161</a>	EHS		490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">289</a>
<a href="#">161</a>	GEN	City of Guelph Engineering	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">289</a>
<a href="#">161</a>	GEN	City of Guelph	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">289</a>
<a href="#">161</a>	GEN	City of Guelph	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">290</a>
<a href="#">161</a>	GEN	City of Guelph	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">290</a>
<a href="#">161</a>	GEN	City of Guelph	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">290</a>
<a href="#">161</a>	GEN	City of Guelph	490 York Road Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">290</a>
<a href="#">161</a>	NPCB	SHERWOOD FOREST INVESTMENTS ( GUEIPH ) INC. ( WAS HAMIL )	490 YORK ROAD GUELPH ON N1E 6V1	NNE/437.5	315.00	<a href="#">291</a>
<a href="#">161</a>	NPCB	Sherwood Forest Investments ( Guelph ) Inc. ( Was Hamil )	490 YORK ROAD Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">292</a>
<a href="#">161</a>	NPCB	HAMRIL INVESTMENTS	490 YORK ROAD GUELPH ON N1E 6V1	NNE/437.5	315.00	<a href="#">29</a>
<a href="#">161</a>	SCT	B B Wood	490 York Rd Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">293</a>
<a href="#">161</a>	SCT	Jetfloat Limited	490 York Rd Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">294</a>
<a href="#">161</a>	SCT	SOLAR CONVERTERS INC.	490 YORK RD UNIT A104 GUELPH ON N1E 6V1	NNE/437.5	315.00	<a href="#">29</a>
<a href="#">161</a>	SCT	Bunting Magnetics Company	490 York Rd Unit 214 Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">294</a>
<a href="#">161</a>	SCT	SPECIALIZED FIBRES INC.	490 York Rd Suite A212 Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">294</a>
<a href="#">161</a>	SCT	McGregor Furniture Co.	490 York Rd Guelph ON N1E 6V1	NNE/437.5	315.00	<a href="#">295</a>
<a href="#">162</a>	SCT	Dougan & Associates	77 Wyndham St S Guelph ON N1E 5R3	WSW/121.7	311.00	<a href="#">295</a>
<a href="#">163</a>	WWIS		Guelph ON	WSW/153.6	311.00	<a href="#">295</a>

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<a href="#">164</a>	GEN	City of Guelph	490 York Road Guelph ON	NNE/425.1	315.00	<a href="#">296</a>
<a href="#">165</a>	WWIS		Guelph ON	W/176.4	311.00	<a href="#">296</a>
<a href="#">166</a>	SPL	UNKNOWN	SPEED RIVER NEEVE STREET BRIDGE GUELPH CITY ON	W/455.1	310.00	<a href="#">29</a>
<a href="#">166</a>	SPL	FIRE DEPARTMENT	SPEED RIVER AT NEEVE ST. & WELLINGTON FIRE TRAINING EXERCISE GUELPH CITY ON	W/455.1	310.00	<a href="#">29</a>
<a href="#">167</a>	EHS		236 Gordon Street Guelph ON N1G 1X3	SW/342.8	314.09	<a href="#">297</a>
<a href="#">168</a>	BORE		ON	NE/54.6	310.06	<a href="#">297</a>
<a href="#">169</a>	WWIS		Guelph ON	W/180.0	311.00	<a href="#">298</a>
<a href="#">170</a>	WWIS		GUELPH ON	NE/74.5	311.00	<a href="#">299</a>
<a href="#">171</a>	BORE		ON	NE/58.5	310.85	<a href="#">299</a>
<a href="#">172</a>	BORE		ON	NE/75.2	307.35	<a href="#">299</a>
<a href="#">173</a>	EHS		75 Wyndham St S Guelph On Guelph ON N1E5R3	WSW/140.0	311.00	<a href="#">300</a>
<a href="#">173</a>	EXP	TNT RENTAL CENTRE LIMITED	75 WYNDHAM ST S GUELPH ON	WSW/140.0	311.00	<a href="#">300</a>
<a href="#">173</a>	PRT	TNT RENTAL CENTRE LTD	75 WYNDHAM ST S GUELPH ON N1E 5R3	WSW/140.0	311.00	<a href="#">30</a>
<a href="#">174</a>	BORE		ON	NE/90.5	308.04	<a href="#">300</a>
<a href="#">175</a>	SPL	TRANSPORT TRUCK	46 YORK RD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON	WSW/94.1	310.00	<a href="#">30</a>
<a href="#">176</a>	BORE		ON	NE/69.3	310.31	<a href="#">301</a>
<a href="#">177</a>	WWIS		GUELPH ON	SW/230.8	310.00	<a href="#">302</a>
<a href="#">178</a>	WWIS		GUELPH ON	WSW/217.3	309.76	<a href="#">302</a>
<a href="#">179</a>	ECA	University of Guelph	328 Victoria Road South Lot 12 Division G Guelph ON N1L 0H2	NE/75.7	310.00	<a href="#">303</a>

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<a href="#">179</a>	GEN	University of Guelph Guelph Turfgrass Institute	328 Victoria Road South Guelph ON N1L 0H2	NE/75.7	310.00	<a href="#">303</a>
<a href="#">179</a>	GEN	University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	NE/75.7	310.00	<a href="#">303</a>
<a href="#">179</a>	GEN	University of Guelph	328 Victoria Road South Guelph ON	NE/75.7	310.00	<a href="#">303</a>
<a href="#">179</a>	GEN	University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	NE/75.7	310.00	<a href="#">304</a>
<a href="#">180</a>	WWIS		GELPH ON	NE/78.4	308.83	<a href="#">304</a>
<a href="#">181</a>	EHS		71 Wyndham Street South Guelph ON N1E 5R3	WSW/169.1	311.00	<a href="#">304</a>
<a href="#">181</a>	EXP	TNT RENTAL CENTRE LIMITED	71 WYNDHAM ST S GUELPH ON	WSW/169.1	311.00	<a href="#">305</a>
<a href="#">181</a>	PRT	TNT RENTAL CENTRE LTD	71 WYNDHAM ST S UNIT C GUELPH ON N1E 5R3	WSW/169.1	311.00	<a href="#">30</a>
<a href="#">182</a>	WWIS		GUELPH ON	SW/238.1	310.00	<a href="#">305</a>
<a href="#">183</a>	CHEM	HART CHEMICAL LIMITED	GUELPH ON	NE/103.7	311.00	<a href="#">30</a>
<a href="#">183</a>	EBR	Huntsman Corporation Canada	City of Guelph ON	NE/103.7	311.00	<a href="#">306</a>
<a href="#">183</a>	EBR	Huntsman Corporation Canada	City of Guelph ON	NE/103.7	311.00	<a href="#">306</a>
<a href="#">183</a>	NPRI	Huntsman Corporation Canada Inc	256 Victoria Road South Guelph ON N1H6K8	NE/103.7	311.00	<a href="#">306</a>
<a href="#">183</a>	SPL	HART CHEMICALS	VICTORIA RD. GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	NE/103.7	311.00	<a href="#">30</a>
<a href="#">183</a>	WWIS		GUELPH ON	NE/103.7	311.00	<a href="#">307</a>
<a href="#">183</a>	WWIS		ON	NE/103.7	311.00	<a href="#">307</a>
<a href="#">184</a>	WWIS		GUELPH ON	WSW/224.6	310.00	<a href="#">307</a>
<a href="#">185</a>	CPU	180 Gordon Street Ltd.	180 Gordon Street Guelph ON	WSW/233.5	310.00	<a href="#">308</a>
<a href="#">185</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	WSW/233.5	310.00	<a href="#">308</a>

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<a href="#">185</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	WSW/233.5	310.00	<a href="#">308</a>
<a href="#">185</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	WSW/233.5	310.00	<a href="#">309</a>
<a href="#">185</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	WSW/233.5	310.00	<a href="#">309</a>
<a href="#">186</a>	EHS		180 Gordon Street Guelph ON N1G 1X1	WSW/229.8	310.00	<a href="#">309</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	WSW/229.8	310.00	<a href="#">309</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">309</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">310</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">310</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">310</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">310</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	WSW/229.8	310.00	<a href="#">311</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">311</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">311</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">311</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">311</a>
<a href="#">186</a>	EXP	MICWIL INC	180 GORDON ST GUELPH ON	WSW/229.8	310.00	<a href="#">311</a>
<a href="#">186</a>	PRT	MIKE WILFORD SUNOCO	180 GORDON ST GUELPH ON N1G1X1	WSW/229.8	310.00	<a href="#">31</a>
<a href="#">186</a>	PRT	MIKE WILFORD SUNOCO	180 GORDON ST GUELPH ON N1G 1X1	WSW/229.8	310.00	<a href="#">31</a>
<a href="#">186</a>	RST	A MICWIL CAR & TRUCK RENTALS	180 GORDON ST GUELPH ON N1G 1X1	WSW/229.8	310.00	<a href="#">312</a>
<a href="#">187</a>	WWIS		ON	NE/94.3	308.86	<a href="#">312</a>

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<a href="#">188</a>	EHS		220-240 Victoria Rd. S. Guelph ON N1E 5R1	NNE/253.5	313.00	<a href="#">313</a>
<a href="#">189</a>	GEN	Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	NNE/261.9	313.00	<a href="#">313</a>
<a href="#">189</a>	GEN	Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	NNE/261.9	313.00	<a href="#">313</a>
<a href="#">189</a>	GEN	Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	NNE/261.9	313.00	<a href="#">313</a>
<a href="#">189</a>	GEN	Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	NNE/261.9	313.00	<a href="#">314</a>
<a href="#">189</a>	GEN	Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON	NNE/261.9	313.00	<a href="#">314</a>
<a href="#">189</a>	GEN	Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	NNE/261.9	313.00	<a href="#">314</a>
<a href="#">189</a>	GEN	Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	NNE/261.9	313.00	<a href="#">314</a>
<a href="#">190</a>	WWIS		GUELPH ON	SW/242.0	310.12	<a href="#">315</a>
<a href="#">191</a>	EHS		220 Gordon Street Guelph ON	SW/323.9	313.04	<a href="#">315</a>
<a href="#">192</a>	WWIS		GUELPH ON	WSW/237.7	310.00	<a href="#">315</a>
<a href="#">193</a>	WWIS		GUELPH ON	NE/164.3	312.00	<a href="#">316</a>
<a href="#">194</a>	EHS		236 Gordon Street Guelph ON	SW/363.0	314.87	<a href="#">316</a>
<a href="#">195</a>	CA	494677 ONTARIO LTD. (MAURIZIO ROMANIN)	VICTORIA RD./YORK RD. GUELPH CITY ON	NNE/348.1	315.00	<a href="#">31</a>
<a href="#">195</a>	EHS		York Rd & Victoria Rd S Guelph ON	NNE/348.1	315.00	<a href="#">316</a>
<a href="#">195</a>	SPL	Upper Canada Forest Products<UNOFFICIAL>	Intersection of York & Victoria Streets<UNOFFICIAL> Guelph ON	NNE/348.1	315.00	<a href="#">317</a>
<a href="#">195</a>	SPL	HUNTSMAN CORP	TIM HORTONS @ VICTORIA & YORK GUELPH PLANT VICTORIA RD. GUELPH CITY ON	NNE/348.1	315.00	<a href="#">31</a>
<a href="#">196</a>	GEN	Control Painting and Office Services Ltd.	199 Victoria Rd South unit E43 Guelph ON	NNE/386.7	315.00	<a href="#">317</a>
<a href="#">196</a>	GEN	Control Painting and Office Services Ltd.	199 Victoria Rd South unit E43 Guelph ON	NNE/386.7	315.00	<a href="#">317</a>



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<a href="#">196</a>	GEN	Control Painting and Office Services Ltd.	199 Victoria Rd South unit E43 Guelph ON	NNE/386.7	315.00	<a href="#">318</a>
<a href="#">196</a>	SCT	System Resale Solutions IV Ltd	199 Victoria Rd S Unit C5 Guelph ON N1E 6T9	NNE/386.7	315.00	<a href="#">318</a>
<a href="#">196</a>	SCT	STERLING CREATIONS INC.	199 VICTORIA RD S UNIT C7 GUELPH ON N1E 6T9	NNE/386.7	315.00	<a href="#">31</a>
<a href="#">196</a>	SCT	SOLAR CONVERTERS INC.	199 VICTORIA RD S UNIT C1 GUELPH ON N1E 6T9	NNE/386.7	315.00	<a href="#">31</a>
<a href="#">196</a>	SCT	VTR Uniforms	199 Victoria Rd S Unit C8-C9 Guelph ON N1E 6T9	NNE/386.7	315.00	<a href="#">319</a>
<a href="#">197</a>	SPL		Corner of Gordon and Forbes<UNOFFICIAL> Guelph ON	SW/437.6	317.95	<a href="#">320</a>
<a href="#">198</a>	WWIS		GUELPH ON	WSW/245.4	310.25	<a href="#">320</a>
<a href="#">199</a>	WWIS		GUELPH ON	WSW/230.6	309.53	<a href="#">321</a>
<a href="#">200</a>	WWIS		GUELPH ON	WSW/243.4	310.11	<a href="#">321</a>
<a href="#">201</a>	WWIS		GUELPH ON	WSW/217.4	308.79	<a href="#">321</a>
<a href="#">201</a>	WWIS		GUELPH ON	WSW/217.4	308.79	<a href="#">322</a>
<a href="#">202</a>	WWIS		GUELPH ON	WSW/215.7	308.66	<a href="#">322</a>
<a href="#">203</a>	WWIS		GUELPH ON	WSW/213.6	308.25	<a href="#">323</a>
<a href="#">204</a>	CA	GUELPH CITY	GORDON ST./ALBERT ST./COLLEGE GUELPH CITY ON	WSW/249.6	310.00	<a href="#">32</a>
<a href="#">204</a>	SPL	The Corporation of the City of Guelph	Intersection of Gordon St. & Water St. Guelph ON	WSW/249.6	310.00	<a href="#">323</a>
<a href="#">205</a>	WWIS		lot 1 con 3 Guelph ON	NNE/374.3	314.62	<a href="#">324</a>
<a href="#">206</a>	EHS		200-240 Victoria Rd S Guelph ON N1E 5R1	NNE/257.3	313.00	<a href="#">324</a>
<a href="#">207</a>	WWIS		GUELPH ON	W/425.8	311.69	<a href="#">324</a>
<a href="#">208</a>	WWIS		GUELPH ON	W/442.2	312.73	<a href="#">325</a>

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<a href="#">209</a>	SPL	SHERWOOD FUELS	BULK STATION GUELPH CITY ON	NNE/352.7	314.00	<a href="#">32</a>
<a href="#">210</a>	WWIS		GUELPH ON	NNE/323.9	313.92	<a href="#">326</a>
<a href="#">211</a>	WWIS		ON	NE/149.3	308.96	<a href="#">326</a>
<a href="#">212</a>	WWIS		GUELPH ON	NE/233.3	312.00	<a href="#">327</a>
<a href="#">213</a>	WWIS		GUELPH ON	NNE/348.4	314.00	<a href="#">327</a>
<a href="#">214</a>	EHS		109 Surrey Street (East) Guelph ON N1H 3P7	W/486.3	314.49	<a href="#">327</a>
<a href="#">215</a>	GEN	CORPORATION OF THE CITY OF GUELPH FIRE DEPARTMENT	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/406.0	311.98	<a href="#">328</a>
<a href="#">215</a>	GEN	Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	W/406.0	311.98	<a href="#">328</a>
<a href="#">215</a>	GEN	CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/406.0	311.98	<a href="#">328</a>
<a href="#">215</a>	GEN	Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	W/406.0	311.98	<a href="#">328</a>
<a href="#">216</a>	WWIS		lot 1 con 3 Guelph ON	NNE/422.4	315.00	<a href="#">329</a>
<a href="#">217</a>	WWIS		ON	NE/181.1	310.10	<a href="#">329</a>
<a href="#">218</a>	GEN	GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON	WSW/170.2	309.44	<a href="#">330</a>
<a href="#">219</a>	WWIS		GUELPH ON	NNE/364.0	314.00	<a href="#">330</a>
<a href="#">220</a>	SCT	The Futon Shop	23 Wellington St E Unit 4 Guelph ON N1H 3R7	W/273.9	310.00	<a href="#">330</a>
<a href="#">220</a>	SPL	BFI Canada Inc.	23 Wellington street Guelph ON	W/273.9	310.00	<a href="#">331</a>
<a href="#">220</a>	SPL	BUS	OUTFALL TO SPEED RIVER BEHIND PLAZA AT MR. SUB, 23 WELLINGTON STREET EAST MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON N1H 3R7	W/273.9	310.00	<a href="#">331</a>
<a href="#">220</a>	SPL		23 Wellington St. East Guelph ON N1H 3R7	W/273.9	310.00	<a href="#">331</a>

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<a href="#">221</a>	GEN	Ben Pilon Enterprise	101 surrey st east guelph ON N1H 3P7	W/468.3	314.04	<a href="#">331</a>
<a href="#">222</a>	EHS		523 York Rd. Guelph ON N1E 3J3	NNE/348.6	314.00	<a href="#">332</a>
<a href="#">222</a>	EXP	STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	NNE/348.6	314.00	<a href="#">332</a>
<a href="#">222</a>	EXP	IMPERIAL OIL LIMITED C/O AUDREY STURGE	523 YORK RD & VICTORIA ST GUELPH ON L0L 2L0	NNE/348.6	314.00	<a href="#">332</a>
<a href="#">222</a>	EXP	STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	NNE/348.6	314.00	<a href="#">332</a>
<a href="#">222</a>	EXP	STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	NNE/348.6	314.00	<a href="#">332</a>
<a href="#">222</a>	EXP	STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	NNE/348.6	314.00	<a href="#">333</a>
<a href="#">222</a>	GEN	Imperial OiLimited( c/o Sara Yonson)	523 YORK ROAD GUELPH ON N1E 3J3	NNE/348.6	314.00	<a href="#">333</a>
<a href="#">222</a>	GEN	ESSO PETROLEUM CANADA	523 YORK ROAD GUELPH ON N2E 3J3	NNE/348.6	314.00	<a href="#">333</a>
<a href="#">222</a>	GEN	TEXACO CANADA INC	523 YORK ROAD GUELPH ON N2E 3J3	NNE/348.6	314.00	<a href="#">334</a>
<a href="#">222</a>	GEN	IMPERIAL OIL	523 YORK ROAD GUELPH ON N2E 3J3	NNE/348.6	314.00	<a href="#">334</a>
<a href="#">222</a>	GEN	TEXACO CANADA INC.	523 YORK RD. GUELPH ON N1E 3J3	NNE/348.6	314.00	<a href="#">334</a>
<a href="#">222</a>	GEN	Imperial Oil Limited	523 YORK ROAD GUELPH ON N2E 3J3	NNE/348.6	314.00	<a href="#">334</a>
<a href="#">222</a>	GEN	Imperial Oil Limited	523 YORK ROAD GUELPH ON	NNE/348.6	314.00	<a href="#">335</a>
<a href="#">222</a>	GEN	Imperial Oil	523 YORK ROAD GUELPH ON N1E 3J3	NNE/348.6	314.00	<a href="#">335</a>
<a href="#">222</a>	GEN	IMPERIAL OIL LIMITED	523 YORK ROAD GUELPH ON N2E 3J3	NNE/348.6	314.00	<a href="#">335</a>
<a href="#">222</a>	GEN	ESSO PETROLEUM CANADA 49-001	523 YORK ROAD, GUELPH C/O 1210 SHEPPARD AVENUE EAST NORTH YORK ON N1E 3J3	NNE/348.6	314.00	<a href="#">336</a>
<a href="#">222</a>	GEN	Imperial Oil Limited	523 YORK ROAD GUELPH ON	NNE/348.6	314.00	<a href="#">336</a>
<a href="#">222</a>	GEN	Imperial Oil Limited	523 YORK ROAD GUELPH ON	NNE/348.6	314.00	<a href="#">336</a>

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<a href="#">222</a>	GEN	TEXACO CANADA INC. 37-389	523 YORK RD. GUELPH ON N1E 3J3	NNE/348.6	314.00	<a href="#">337</a>
<a href="#">222</a>	PRT	IMPERIAL OIL LIMITED LINDA BOWES	523 YORK RD & VICTORIA ST GUELPH ON N1E 3J3	NNE/348.6	314.00	<a href="#">33</a>
<a href="#">222</a>	SPL	ESSO PETROLEUM CANADA	523 YORK ROAD GUELPH BULK STATION 523 YORK ROAD GUELPH CITY ON N1E 3J3	NNE/348.6	314.00	<a href="#">33</a>
<a href="#">222</a>	SPL	SHERWOOD FUELS	SHERWOOD FUELS BULK STATION 523 YORK ROAD, GUELPH BULK STATION GUELPH CITY ON N1E 3J3	NNE/348.6	314.00	<a href="#">33</a>
<a href="#">222</a>	SPL	ESSO PETROLEUM CANADA	ESSO BULK STATION AT 523 YORK GUELPH BULK STATION GUELPH CITY ON N1E 3J3	NNE/348.6	314.00	<a href="#">33</a>
<a href="#">223</a>	GEN	GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	WSW/174.1	309.75	<a href="#">338</a>
<a href="#">223</a>	GEN	GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	WSW/174.1	309.75	<a href="#">338</a>
<a href="#">223</a>	GEN	GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	WSW/174.1	309.75	<a href="#">339</a>
<a href="#">223</a>	GEN	GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	WSW/174.1	309.75	<a href="#">339</a>
<a href="#">223</a>	GEN	GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	WSW/174.1	309.75	<a href="#">339</a>
<a href="#">223</a>	GEN	GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	WSW/174.1	309.75	<a href="#">340</a>
<a href="#">224</a>	GEN	Imperial Oil	523 YORK ROAD GUELPH ON	NNE/349.6	313.87	<a href="#">340</a>
<a href="#">225</a>	WWIS		Guelph ON	NNE/337.5	313.00	<a href="#">340</a>
<a href="#">226</a>	WWIS		GUELPH ON	NNE/359.2	314.00	<a href="#">341</a>
<a href="#">227</a>	EXP	1579149 ONTARIO LTD	58 WELLINGTON ST E AT WYNDHAM GUELPH ON	W/337.5	312.00	<a href="#">341</a>
<a href="#">227</a>	FSTH	6370861 CANADA LTD	58 WELLINGTON ST E AT WYNDHAM GUELPH ON N1H 3R8	W/337.5	312.00	<a href="#">342</a>
<a href="#">227</a>	FSTH	6370861 CANADA LTD	58 WELLINGTON ST E AT WYNDHAM GUELPH ON N1H 3R8	W/337.5	312.00	<a href="#">342</a>
<a href="#">227</a>	PRT	HARVEY SPROWL	58 WELLINGTON ST AT WYNDHAM GUELPH ON	W/337.5	312.00	<a href="#">34</a>
<a href="#">227</a>	RST	KAMRAN & BROS AUTO SERVICES LTD	58 WELLINGTON ST E GUELPH ON N1H 3R8	W/337.5	312.00	<a href="#">343</a>

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<a href="#">227</a>	RST	HARVEY'S SELF SERVE GAS BAR	58 WELLINGTON ST E GUELPH ON N1H3R8	W/337.5	312.00	<a href="#">343</a>
<a href="#">227</a>	RST	WENTZEL AUTO SERVICES INC	58 WELLINGTON ST E GUELPH ON N1H 3R8	W/337.5	312.00	<a href="#">343</a>
<a href="#">228</a>	WWIS		GUELPH ON	NNE/478.5	315.00	<a href="#">343</a>
<a href="#">229</a>	HINC		100 GORDON STREET GUELPH ON N1H 4H6	WSW/190.7	310.00	<a href="#">344</a>
<a href="#">230</a>	FST	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">344</a>
<a href="#">230</a>	FST	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">345</a>
<a href="#">230</a>	FST	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">345</a>
<a href="#">230</a>	FST	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">345</a>
<a href="#">230</a>	FSTH	GUELPH FIRE DEPARTMENT	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">346</a>
<a href="#">230</a>	FSTH	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">346</a>
<a href="#">230</a>	FSTH	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">346</a>
<a href="#">230</a>	FSTH	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">347</a>
<a href="#">230</a>	GEN	Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	W/387.5	312.37	<a href="#">347</a>
<a href="#">230</a>	GEN	Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	W/387.5	312.37	<a href="#">347</a>
<a href="#">230</a>	GEN	CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">348</a>
<a href="#">230</a>	GEN	GUELPH, CORP. OF THE CITY OF	50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">348</a>
<a href="#">230</a>	GEN	CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON	W/387.5	312.37	<a href="#">348</a>
<a href="#">230</a>	GEN	GUELPH, CORP. OF THE CITY OF	FIRE DEPARTMENT 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">349</a>
<a href="#">230</a>	GEN	Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	W/387.5	312.37	<a href="#">349</a>

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<a href="#">230</a>	GEN	GUELPH, CORP. OF THE CITY OF 17-371	50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">349</a>
<a href="#">230</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">350</a>
<a href="#">230</a>	GEN	Guelph Fire Department	50 Wyndham Street, South Guelph ON	W/387.5	312.37	<a href="#">350</a>
<a href="#">230</a>	GEN	CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">350</a>
<a href="#">230</a>	GEN	CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">351</a>
<a href="#">230</a>	GEN	GUELPH, CORP. OF THE CITY OF 17-371	FIRE DEPARTMENT 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">351</a>
<a href="#">230</a>	GEN	CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">352</a>
<a href="#">230</a>	HINC		50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">352</a>
<a href="#">230</a>	PRT	GUELPH FIRE DEPARTMENT	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">35</a>
<a href="#">230</a>	PRT	CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	W/387.5	312.37	<a href="#">35</a>
<a href="#">230</a>	SPL		50 Wyndham St. South Guelph ON N1H 4E1	W/387.5	312.37	<a href="#">353</a>
<a href="#">231</a>	WWIS		GUELPH ON	NNE/480.0	315.00	<a href="#">353</a>
<a href="#">232</a>	SCT	BJ'S SIGN & DESIGN	200 VICTORIA RD S GUELPH ON N1E 5R1	NE/278.2	312.00	<a href="#">354</a>
<a href="#">233</a>	GEN	Shell Canada Limited	154 Victoria Road South Guelph ON	NNE/492.4	315.00	<a href="#">354</a>
<a href="#">234</a>	NPRI	Huntsman Corporation Canada Inc	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">354</a>
<a href="#">234</a>	NPRI	Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">356</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">357</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">358</a>
<a href="#">234</a>	NPRI	MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">359</a>

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<a href="#">234</a>	NPRI	Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">360</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1H 6K8	NE/194.5	310.00	<a href="#">361</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">362</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">364</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">365</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">366</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">368</a>
<a href="#">234</a>	NPRI	Huntsman Corporation Canada Inc	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">370</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">372</a>
<a href="#">234</a>	NPRI	Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">373</a>
<a href="#">234</a>	NPRI	Guelph Chemical Plant	Guelph ON	NE/194.5	310.00	<a href="#">374</a>
<a href="#">234</a>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	NE/194.5	310.00	<a href="#">376</a>
<a href="#">234</a>	NPRI	Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	NE/194.5	310.00	<a href="#">377</a>
<a href="#">235</a>	GEN	GUELPH, CORP. OF THE CITY OF 18-278	RECYCLING DROP-OFF, 112 GORDON ST. C/O CITY HALL, 59 GARDEN STREET, GUELPH, ON N1H 4H6	WSW/185.9	309.93	<a href="#">378</a>
<a href="#">235</a>	GEN	GUELPH, CORP. OF THE CITY OF	RECYCLING DROP-OFF, 112 GORDON ST. C/O CITY HALL, 59 GARDEN STREET, GUELPH, ON N1H 4H6	WSW/185.9	309.93	<a href="#">379</a>
<a href="#">236</a>	EHS		154 Victoria Road South Guelph ON N1E 5P6	NNE/497.6	315.00	<a href="#">379</a>
<a href="#">236</a>	EHS		154 Victoria Road South Guelph ON N1E 5P6	NNE/497.6	315.00	<a href="#">379</a>
<a href="#">236</a>	EXP	SHELL CANADA PRODUCTS**	154 VICTORIA RD S GUELPH ON N1E 5P6	NNE/497.6	315.00	<a href="#">379</a>



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<a href="#">236</a>	EXP	DOUG POLLOCK FUELS LTD	154 VICTORIA RD S GUELPH ON	NNE/497.6	315.00	<a href="#">379</a>
<a href="#">236</a>	EXP	DOUG POLLOCK FUELS LTD	154 VICTORIA RD S GUELPH ON	NNE/497.6	315.00	<a href="#">380</a>
<a href="#">236</a>	GEN	SHELL CANADA PRODUCTS	154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	NNE/497.6	315.00	<a href="#">380</a>
<a href="#">236</a>	GEN	SHELL CANADA PRODUCTS	154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	NNE/497.6	315.00	<a href="#">380</a>
<a href="#">236</a>	GEN	SHELL CANADA PRODUCTS	154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	NNE/497.6	315.00	<a href="#">380</a>
<a href="#">236</a>	PRT	SHELL CANADA PRODUCTS LTD ATTN JIM ARCH	154 VICTORIA RD GUELPH ON	NNE/497.6	315.00	<a href="#">38</a>
<a href="#">236</a>	RST	GRANGER FUELS LTD	154 VICTORIA S GUELPH ON	NNE/497.6	315.00	<a href="#">381</a>
<a href="#">236</a>	SPL	SHELL CANADA PRODUCTS LTD.	154 VICTORIA RD. SOUTH TANK TRUCK (CARGO) GUELPH CITY ON N1E 5P6	NNE/497.6	315.00	<a href="#">38</a>
<a href="#">237</a>	SPL	KENTUCKY FRIED CHICKEN	SPEED RIVER, DRIVEWAY AT KFC, ON WELLINGTON STREET, GUELPH RESTAURANT GUELPH CITY ON	W/323.1	311.78	<a href="#">381</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON	W/449.5	314.26	<a href="#">382</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LTD.	97 SURREY STREET EAST GUELPH ON N1H 3P7	W/449.5	314.26	<a href="#">382</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	W/449.5	314.26	<a href="#">382</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	W/449.5	314.26	<a href="#">382</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	W/449.5	314.26	<a href="#">383</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	W/449.5	314.26	<a href="#">383</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	W/449.5	314.26	<a href="#">383</a>
<a href="#">238</a>	GEN	PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	W/449.5	314.26	<a href="#">384</a>
<a href="#">239</a>	WWIS		Guelph ON	NNE/469.7	315.00	<a href="#">384</a>
<a href="#">240</a>	WWIS		Guelph ON	NNE/360.0	313.00	<a href="#">385</a>

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<a href="#">241</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	W/350.0	312.03	<a href="#">385</a>
<a href="#">241</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	W/350.0	312.03	<a href="#">385</a>
<a href="#">241</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	W/350.0	312.03	<a href="#">386</a>
<a href="#">241</a>	FST	SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	W/350.0	312.03	<a href="#">386</a>
<a href="#">242</a>	EHS		240 Victoria Rd S Guelph ON	NE/286.4	312.00	<a href="#">386</a>
<a href="#">243</a>	FST	FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	W/418.0	314.00	<a href="#">386</a>
<a href="#">243</a>	RST	NORM'S ESSO SERVICE	67 SURREY ST E GUELPH ON N1H3P7	W/418.0	314.00	<a href="#">387</a>
<a href="#">244</a>	WWIS		Guelph ON	NNE/481.7	315.00	<a href="#">387</a>
<a href="#">245</a>	EBR	FLEWELLING GARAGE LTD	67 SURREY ST E Guelph ON N1H 3P7	W/424.3	314.00	<a href="#">387</a>
<a href="#">245</a>	FST	FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	W/424.3	314.00	<a href="#">388</a>
<a href="#">245</a>	FST	FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	W/424.3	314.00	<a href="#">388</a>
<a href="#">245</a>	FST	FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	W/424.3	314.00	<a href="#">388</a>
<a href="#">245</a>	FST	FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	W/424.3	314.00	<a href="#">388</a>
<a href="#">245</a>	HINC		67 SURREY STREET EAST GUELPH ON N1H 3P7	W/424.3	314.00	<a href="#">389</a>
<a href="#">245</a>	PRT	NORM FLEWELLING LTD NORMS ESSO	67 SURREY ST E GUELPH ON N1H3P7	W/424.3	314.00	<a href="#">38</a>
<a href="#">245</a>	RST	NORM'S ESSO SERVICE	67 SURREY ST E GUELPH ON N1H 3P7	W/424.3	314.00	<a href="#">389</a>
<a href="#">245</a>	SPL	RST Transport<UNOFFICIAL>	67 Surrey St Guelph ON	W/424.3	314.00	<a href="#">390</a>
<a href="#">245</a>	SPL	ESSO PETROLEUM CANADA	67 SURREY ST. E SERVICE STATION GUELPH CITY ON N1H 3P7	W/424.3	314.00	<a href="#">39</a>
<a href="#">246</a>	WWIS		ON	NE/205.8	308.43	<a href="#">390</a>

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<a href="#">247</a>	SCT	ABERFOYLE COUNTRY YOGURT INC.	34 WELLINGTON ST E GUELPH ON N1H 3R8	W/308.7	312.00	<a href="#">39</a>
<a href="#">247</a>	SCT	Millcreek Modular Homes	34 Wellington Rd E Aberfoyle ON N1H 3R8	W/308.7	312.00	<a href="#">391</a>
<a href="#">248</a>	GEN	Hazco Environmental Services	7602 Wellington Road #34 Guelph ON N1H 6H9	W/305.6	312.00	<a href="#">391</a>
<a href="#">248</a>	GEN	Tervita Corporation	7602 Wellington Road #34 Guelph ON N1H 6H9	W/305.6	312.00	<a href="#">391</a>
<a href="#">248</a>	GEN	Tervita Corporation	7602 Wellington Road #34 Guelph ON N1H 6H9	W/305.6	312.00	<a href="#">392</a>
<a href="#">249</a>	SCT	Daly's Wood Products Ltd.	5066 Wellington Rd 32 RR 7 Guelph ON N1H 6J4	W/307.3	312.00	<a href="#">392</a>
<a href="#">249</a>	SCT	HAYES CUSTOM WOODWORKING	32 WELLINGTON ST W GUELPH ON N1H	W/307.3	312.00	<a href="#">39</a>
<a href="#">250</a>	CA	Institute of Ichthyology	Building No. 92, Gordon Street Guelph ON N1H 4H6	WSW/254.0	310.00	<a href="#">392</a>
<a href="#">250</a>	GEN	PARKERS CLEANERS(OUT OF BUS.) 30-035	92 GORDON ST GUELPH ON N1H 4H6	WSW/254.0	310.00	<a href="#">393</a>
<a href="#">250</a>	GEN	PARKERS CLEANERS(OUT OF BUS.)	92 GORDON ST GUELPH ON N1H 4H6	WSW/254.0	310.00	<a href="#">393</a>
<a href="#">250</a>	GEN	PARKERS CLEANERS(OUT OF BUSINESS)	92 GORDON STREET GUELPH ON N1H 4H6	WSW/254.0	310.00	<a href="#">393</a>
<a href="#">250</a>	GEN	PARKERS CLEANERS	92 GORDON ST GUELPH ON N1H 4H6	WSW/254.0	310.00	<a href="#">393</a>
<a href="#">251</a>	GEN	AMEC Earth and Environmental	28 Wellington Street East Guelph ON N1H 3R8	W/306.5	312.00	<a href="#">393</a>
<a href="#">251</a>	ORD	TDL Group Ltd	28 Wellington Street East City of Guelph ON N1H 3R8	W/306.5	312.00	<a href="#">394</a>
<a href="#">252</a>	WWIS		GUELPH ON	NNE/370.3	312.99	<a href="#">394</a>
<a href="#">253</a>	WWIS		Guelph ON	W/313.8	312.02	<a href="#">394</a>
<a href="#">254</a>	PES	STEVE'S VALU-MART	86 GORDON STREET GUELPH ON N1H 4H6	WSW/274.9	310.00	<a href="#">39</a>
<a href="#">255</a>	GEN	The Corporation of the City of Guelph	47 Surrey Street East Guelph ON	W/379.7	313.45	<a href="#">395</a>
<a href="#">256</a>	CA	HART CHEMICAL LIMITED	256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>

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<a href="#">256</a>	CA	Huntsman Corporation Canada Inc.	256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">396</a>
<a href="#">256</a>	CA	HART CHEMICAL COMPANY	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>
<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">396</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>
<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">397</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>
<a href="#">256</a>	CA	TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>
<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">398</a>
<a href="#">256</a>	CA	HART CHEMICAL LTD.	256 VICTORIA RD.S. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">398</a>
<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">399</a>
<a href="#">256</a>	CA	HART CHEMICAL LIMITED	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">39</a>
<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">400</a>
<a href="#">256</a>	CA	TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">400</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">401</a>
<a href="#">256</a>	CA	TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>

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<a href="#">256</a>	CA		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">402</a>
<a href="#">256</a>	CA	TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA	TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	NE/264.6	310.00	<a href="#">40</a>
<a href="#">256</a>	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">404</a>
<a href="#">256</a>	CHEM	HUNTSMAN CORPORATION CANADA INC	256 VICTORIA RD S GUELPH ON N1E 5R1	NE/264.6	310.00	<a href="#">405</a>
<a href="#">256</a>	EBR	Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">405</a>
<a href="#">256</a>	EBR	Mayflower Properties (Guelph) Inc	256 Victoria Street South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">405</a>
<a href="#">256</a>	EBR	Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">405</a>
<a href="#">256</a>	EBR	Mayflower Properties (Guelph) Inc.	256 Victoria Road S Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">405</a>
<a href="#">256</a>	EBR	Huntsman Corporation Canada	256 Victoria Road South City of Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">406</a>
<a href="#">256</a>	EBR	Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">406</a>
<a href="#">256</a>	ECA	Mayflower Properties (Guelph) Inc.	256 Victoria Rd S Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">406</a>
<a href="#">256</a>	EHS		256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">406</a>
<a href="#">256</a>	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">407</a>

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<a href="#">256</a>	GEN	Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">408</a>
<a href="#">256</a>	GEN	HART CHEMICAL LTD	PO BOX 450 256 VICTORIA RD S GUELPLH ON N1E 5R1	NE/264.6	310.00	<a href="#">409</a>
<a href="#">256</a>	GEN	TEXACO CHE(SEE & USE ON1846500)	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	NE/264.6	310.00	<a href="#">409</a>
<a href="#">256</a>	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">410</a>
<a href="#">256</a>	GEN	HUNTSMAN CORPORATION CANADA INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	NE/264.6	310.00	<a href="#">411</a>
<a href="#">256</a>	GEN	HART CHEMICAL (SEE&USE ON0005299) 19-034	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	NE/264.6	310.00	<a href="#">412</a>
<a href="#">256</a>	GEN	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	NE/264.6	310.00	<a href="#">413</a>
<a href="#">256</a>	GEN	HART CHEMICALS LTD.	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	NE/264.6	310.00	<a href="#">414</a>
<a href="#">256</a>	GEN	HART CHEMICAL (SEE&USE ON0005299)	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	NE/264.6	310.00	<a href="#">414</a>
<a href="#">256</a>	GEN	TEXACO CHE(SEE & USE ON1846500) 19-034	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	NE/264.6	310.00	<a href="#">414</a>
<a href="#">256</a>	GEN	Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">415</a>
<a href="#">256</a>	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">416</a>
<a href="#">256</a>	PTTW	Akzo Nobel Canada Inc.	Lot: 1, Concession: 2 256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">417</a>
<a href="#">256</a>	PTTW	Nacan Products Ltd.	256 Victoria Road City of Guelph ON	NE/264.6	310.00	<a href="#">417</a>
<a href="#">256</a>	PTTW	Nacan Products Limited	256 Victoria Road South Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">417</a>
<a href="#">256</a>	SCT	HUNTSMAN CORPORATION CANADA	256 VICTORIA RD S GUELPH ON N1E 5R1	NE/264.6	310.00	<a href="#">41</a>
<a href="#">256</a>	SCT	Huntsman Corporation Canada Inc.	256 Victoria Rd S Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">418</a>
<a href="#">256</a>	SPL	TEXACO CHEMICAL CANADA LTD.	GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">41</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	NE/264.6	310.00	<a href="#">41</a>

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<a href="#">256</a>	SPL	HUNTSMAN CORP	GUELPH PLANT VICTORIA RD. GUELPH CITY ON	256 NE/264.6	310.00	<a href="#">41</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	GUELPH PLANT VICTORIA RD. GUELPH CITY ON	256 NE/264.6	310.00	<a href="#">41</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD.	NE/264.6	310.00	<a href="#">41</a>
<a href="#">256</a>	SPL	HART CHEMICALS	GUELPH CITY ON N1E 5R1 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS LTD.	GUELPH CITY ON N1E 5R1 256 VICTORIA RD. SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS	GUELPH CITY ON N1E 5R1 GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	CANADIAN PACIFIC RAILWAYS	256 VICTORIA TRAIN GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD.	NE/264.6	310.00	<a href="#">422</a>
<a href="#">256</a>	SPL	TEXACO CHEMICAL CANADA LTD.	GUELPH CITY ON N1E 5R1 256 VICTORIA RD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S.	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS	GUELPH CITY ON N1E 5R1 GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS	GUELPH CITY ON N1E 5R1 GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD S GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S.	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS	GUELPH CITY ON N1E 5R1 GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA STREET GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>



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<a href="#">256</a>	SPL	HUNTSMAN CORP	GUELPH PLANT VICTORIA RD. GUELPH CITY ON N1E 5R1	256 NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD. S. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	GUELPH PLANT VICTORIA RD. GUELPH CITY ON N1E 5R1	256 NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS LTD.	GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	256 NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS LTD.	GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON	256 NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	HART CHEMICALS	GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON	256 NE/264.6	310.00	<a href="#">42</a>
<a href="#">256</a>	SPL	Polymer Distribution Inc.	256 Victoria Rd S 256 VICTORIA ROAD SOUTH Guelph ON N1E 5R1	NE/264.6	310.00	<a href="#">427</a>
<a href="#">257</a>	WWIS		Guelph ON	WSW/261.3	309.71	<a href="#">427</a>
<a href="#">258</a>	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON	NE/266.7	310.00	<a href="#">428</a>
<a href="#">259</a>	WWIS		Guelph ON	WSW/263.2	309.71	<a href="#">429</a>
<a href="#">260</a>	WWIS		GUELPH ON	W/321.2	311.95	<a href="#">430</a>
<a href="#">261</a>	WWIS		Guelph ON	WSW/261.3	309.00	<a href="#">430</a>
<a href="#">262</a>	GEN	MTE Consulting	36 Wyndham Street South Guelph ON	W/481.6	317.15	<a href="#">430</a>
<a href="#">263</a>	GEN	Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON N1H 4H4	WSW/290.9	310.00	<a href="#">431</a>

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<a href="#">263</a>	GEN	Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	WSW/290.9	310.00	<a href="#">431</a>
<a href="#">264</a>	EHS		36 Wyndham Street GUELPH ON	W/486.6	317.36	<a href="#">431</a>
<a href="#">265</a>	WWIS		Guelph ON	WSW/269.3	309.66	<a href="#">431</a>
<a href="#">266</a>	WWIS		ON	WSW/287.6	310.00	<a href="#">432</a>
<a href="#">267</a>	WWIS		Guelph ON	WSW/271.7	309.00	<a href="#">432</a>
<a href="#">268</a>	WWIS		Guelph ON	WSW/274.7	309.00	<a href="#">433</a>
<a href="#">269</a>	RST	ECONOMY LUBE INC	87 GORDON ST GUELPH ON N1H4H7	WSW/284.8	310.00	<a href="#">433</a>
<a href="#">270</a>	WWIS		ON	WSW/291.6	310.00	<a href="#">433</a>
<a href="#">271</a>	EHS		20 Wellington Street East Guelph ON N1H 3R8	W/340.7	312.20	<a href="#">434</a>
<a href="#">272</a>	SPL	City of Guelph	Corner of Wellington and Gordon Guelph ON	WSW/301.1	310.00	<a href="#">434</a>
<a href="#">273</a>	SPL	City of Guelph	49 Surrey St Guelph ON	W/370.4	313.43	<a href="#">434</a>
<a href="#">274</a>	RST	ECONOMY LUBE INC	87 GORDON ST GUELPH ON N1H 4H7	WSW/290.2	310.00	<a href="#">434</a>
<a href="#">275</a>	PINC		WELLINGTON ST AND GORDON ST, GUELPH ON	WSW/309.2	310.00	<a href="#">435</a>
<a href="#">275</a>	SPL		Wellington St. & Gordon St.<UNOFFICIAL> Guelph ON	WSW/309.2	310.00	<a href="#">435</a>
<a href="#">276</a>	WWIS		ON	WSW/290.5	308.73	<a href="#">435</a>
<a href="#">277</a>	CA	FERCAN DEVELOPMENT CORPORATION	40 WELLINGTON STREET GUELPH CITY ON	WSW/291.9	309.00	<a href="#">43</a>
<a href="#">277</a>	CA		40 Wellington Street Guelph ON	WSW/291.9	309.00	<a href="#">436</a>
<a href="#">277</a>	CA	CRA CONTRACTING SERVICES & ROCKWELL AUTO	40 WELLINGTON ST., RP 61R-5245 GUELPH CITY ON	WSW/291.9	309.00	<a href="#">437</a>
<a href="#">277</a>	EBR	CRA Contracting Services & Rockwell Automation of Canada Inc	40 Wellington Street City of Guelph ON	WSW/291.9	309.00	<a href="#">437</a>

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<a href="#">277</a>	GEN	DELTA INTERNATIONAL MACHINERY 04-040	40 WELLINGTON STREET GUELPH ON N1H 6M7	WSW/291.9	309.00	<a href="#">437</a>
<a href="#">277</a>	GEN	DELTA INTERNATIONAL MACHINERY	40 WELLINGTON STREET GUELPH ON N1H 6M7	WSW/291.9	309.00	<a href="#">438</a>
<a href="#">277</a>	GEN	DELTA INTERNATIONAL MACHINERY	40 WELLINGTON STREET GUELPH ON N1H 6M7	WSW/291.9	309.00	<a href="#">438</a>
<a href="#">277</a>	PTTW	Rockwell Automation of Canada Inc.CRA Contracting Services	40 Wellington Street City of Guelph ON	WSW/291.9	309.00	<a href="#">439</a>
<a href="#">277</a>	RSC	2065404 ONTARIO INC.	40 Wellington Street West, Guelph Guelph ON	WSW/291.9	309.00	<a href="#">439</a>
<a href="#">278</a>	WWIS		Guelph ON	WSW/292.5	308.36	<a href="#">439</a>
<a href="#">279</a>	WWIS		Guelph ON	WSW/294.5	309.00	<a href="#">440</a>
<a href="#">279</a>	WWIS		Guelph ON	WSW/294.5	309.00	<a href="#">440</a>
<a href="#">280</a>	WWIS		Guelph ON	WSW/296.2	309.00	<a href="#">441</a>
<a href="#">281</a>	WWIS		Guelph ON	WSW/299.0	308.00	<a href="#">441</a>
<a href="#">281</a>	WWIS		Guelph ON	WSW/299.0	308.00	<a href="#">442</a>
<a href="#">282</a>	WWIS		Guelph ON	WSW/299.9	308.47	<a href="#">442</a>
<a href="#">283</a>	EHS		Surrey St Ewyndham St S Guelph ON	W/441.8	316.00	<a href="#">443</a>
<a href="#">284</a>	WWIS		ON	WSW/320.5	306.33	<a href="#">443</a>
<a href="#">285</a>	WWIS		Guelph ON	WSW/306.7	309.00	<a href="#">443</a>
<a href="#">286</a>	WWIS		Guelph ON	WSW/310.2	309.01	<a href="#">444</a>
<a href="#">287</a>	GEN	Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	WSW/344.9	310.92	<a href="#">444</a>
<a href="#">287</a>	GEN	Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON N1H 4H4	WSW/344.9	310.92	<a href="#">444</a>
<a href="#">287</a>	GEN	Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	WSW/344.9	310.92	<a href="#">445</a>

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<a href="#">287</a>	GEN	Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON N1H 4H4	WSW/344.9	310.92	<a href="#">445</a>
<a href="#">287</a>	GEN	Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	WSW/344.9	310.92	<a href="#">445</a>
<a href="#">288</a>	WWIS		Guelph ON	WSW/319.5	310.00	<a href="#">446</a>
<a href="#">289</a>	WWIS		Guelph ON	WSW/311.2	308.00	<a href="#">446</a>
<a href="#">290</a>	WWIS		Guelph ON	WSW/315.6	309.00	<a href="#">446</a>
<a href="#">291</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	FOUNTAIN ST. & WYNDAM ST., PARKING LOT C/O CITY HALL, 59 CARDEN STREET GUELPH ON N1H 3A1	W/493.6	317.68	<a href="#">447</a>
<a href="#">291</a>	GEN	GUELPH, CORPORATION OF THE CITY OF 18-288	FOUNTAIN ST. & WYNDAM ST., PARKING LOT C/O CITY HALL, 59 CARDEN STREET GUELPH ON N1H 3A1	W/493.6	317.68	<a href="#">447</a>
<a href="#">291</a>	GEN	GUELPH, CORPORATION OF THE CITY OF	CORNER FOUNTAIN & WYNDAM STREETS FOUNTAIN STREET PARKING LOT GUELPH ON	W/493.6	317.68	<a href="#">447</a>
<a href="#">292</a>	WWIS		Guelph ON	WSW/318.0	308.95	<a href="#">448</a>
<a href="#">293</a>	WWIS		Guelph ON	WSW/319.6	308.00	<a href="#">448</a>
<a href="#">294</a>	EHS		73 Gordon St Guelph ON N1H 4H5	WSW/340.2	310.39	<a href="#">448</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.2	310.39	<a href="#">449</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	WSW/340.2	310.39	<a href="#">449</a>
<a href="#">294</a>	EXP	WELLINGTON ESSO 1990	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.2	310.39	<a href="#">449</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	WSW/340.2	310.39	<a href="#">449</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.2	310.39	<a href="#">450</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	WSW/340.2	310.39	<a href="#">450</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	WSW/340.2	310.39	<a href="#">450</a>

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<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	WSW/340.2	310.39	<a href="#">450</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.2	310.39	<a href="#">451</a>
<a href="#">294</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.2	310.39	<a href="#">451</a>
<a href="#">294</a>	PRT		73 GORDON ST. GUELPH ON	WSW/340.2	310.39	<a href="#">45</a>
<a href="#">294</a>	PRT	WELLINGTON ESSO 1990	73 GORDON ST GUELPH ON	WSW/340.2	310.39	<a href="#">45</a>
<a href="#">294</a>	PRT	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIM	73 GORDON ST GUELPH ON	WSW/340.2	310.39	<a href="#">45</a>
<a href="#">295</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.4	310.31	<a href="#">452</a>
<a href="#">295</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.4	310.31	<a href="#">452</a>
<a href="#">295</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.4	310.31	<a href="#">452</a>
<a href="#">295</a>	EXP	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	WSW/340.4	310.31	<a href="#">452</a>
<a href="#">296</a>	WWIS		Guelph ON	WSW/321.8	307.90	<a href="#">453</a>
<a href="#">297</a>	WWIS		GUELPH ON	WSW/348.3	310.93	<a href="#">453</a>
<a href="#">298</a>	WWIS		Guelph ON	WSW/326.7	307.96	<a href="#">454</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET GUELPH ON N1H 6J6	W/412.5	314.09	<a href="#">454</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST_ GUELPH ON N1H 3P5	W/412.5	314.09	<a href="#">454</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	W/412.5	314.09	<a href="#">455</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	W/412.5	314.09	<a href="#">455</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED 39-245	GUELPH SERVICE CENTRE 10 SURREY STREET GUELPH ON N1H 6J6	W/412.5	314.09	<a href="#">455</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED	10 SURREY STREET EAST GUELPH SERVICE CENTRE GUELPH ON N1H 3P5	W/412.5	314.09	<a href="#">455</a>

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<a href="#">299</a>	GEN	UNION GAS LIMITED	GUELPH SERVICE CENTER 10 SURREY ST. GUELPH ON N1H 6J6	W/412.5	314.09	<a href="#">456</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED 39-245	GUELPH SERVICE CENTER 10 SURREY ST. GUELPH ON N1H 6J6	W/412.5	314.09	<a href="#">456</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	W/412.5	314.09	<a href="#">456</a>
<a href="#">299</a>	GEN	UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 6J6	W/412.5	314.09	<a href="#">456</a>
<a href="#">300</a>	WWIS		Guelph ON	WSW/331.0	309.00	<a href="#">457</a>
<a href="#">301</a>	GEN	ALFRED SCHNURR ELECTRIC CO. LTD.	64 GORDON STREET GUELPH ON N1H 4M4	WSW/370.3	312.00	<a href="#">457</a>
<a href="#">301</a>	SCT	Schnurr Electric Company Ltd.	64 Gordon St Guelph ON N1H 4H4	WSW/370.3	312.00	<a href="#">458</a>
<a href="#">302</a>	WWIS		GUELPH ON	WSW/334.3	307.70	<a href="#">458</a>
<a href="#">303</a>	NPRI	Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	NNE/488.1	312.11	<a href="#">458</a>
<a href="#">303</a>	NPRI	Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	NNE/488.1	312.11	<a href="#">459</a>
<a href="#">303</a>	NPRI	Standard Brass & Aluminum Foundry Ltd.	550 York Rd. Guelph ON N1E 5T6	NNE/488.1	312.11	<a href="#">459</a>
<a href="#">303</a>	NPRI	Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	NNE/488.1	312.11	<a href="#">461</a>
<a href="#">303</a>	NPRI	Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	NNE/488.1	312.11	<a href="#">462</a>
<a href="#">303</a>	NPRI	Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	NNE/488.1	312.11	<a href="#">463</a>
<a href="#">303</a>	NPRI	Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	NNE/488.1	312.11	<a href="#">464</a>
<a href="#">304</a>	WWIS		ON	WSW/339.1	307.00	<a href="#">465</a>
<a href="#">305</a>	WWIS		Guelph ON	WSW/345.6	309.33	<a href="#">465</a>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON N1H3N5	W/447.1	316.08	<a href="#">466</a>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	W/447.1	316.08	<a href="#">466</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	W/447.1	316.08	<a href="#">466</a>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	W/447.1	316.08	<a href="#">466</a>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	W/447.1	316.08	<a href="#">467</a>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY (GUELPH) LTD. 08-598	27 FOUNTAIN ST. E. GUELPH ON N1H 3N5	W/447.1	316.08	<a href="#">467</a>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	W/447.1	316.08	<a href="#">467</a>
<a href="#">306</a>	GEN	CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	W/447.1	316.04	<a href="#">467</a>
<a href="#">307</a>	SPL	The Corporation of the City of Guelph	65 Gordon St Guelph ON N1H 4H5	WSW/369.5	311.00	<a href="#">468</a>
<a href="#">307</a>	SPL	The Corporation of the City of Guelph	65 Gordon Street, Guelph Guelph ON N1H 4H5	WSW/369.5	311.00	<a href="#">468</a>
<a href="#">307</a>	SPL	McDonald's Restaurants of Canada Limited	65 Gordon St., Guelph ON N1H 4H5	WSW/369.5	311.00	<a href="#">468</a>
<a href="#">307</a>	SPL		65 Gordon St (McDonalds Restaurant) Guelph ON	WSW/369.5	311.00	<a href="#">469</a>
<a href="#">307</a>	SPL	McDonald's Restaurants of Canada Limited	65 Gordon Street Guelph ON N1H 4H5	WSW/369.5	311.00	<a href="#">469</a>
<a href="#">308</a>	WWIS		Guelph ON	WSW/352.7	308.00	<a href="#">469</a>
<a href="#">309</a>	GEN	Enterprise Rent A Car Canada Company	56 Gordon Street Guelph ON	W/412.2	313.34	<a href="#">470</a>
<a href="#">310</a>	GEN	MAPLE AYR ENTERPRISES LTD.	56 GORDON STREET GUELPH ON N1H 4H3	W/414.9	313.42	<a href="#">470</a>
<a href="#">310</a>	GEN	Enterprise Rent A Car Canada Company	56 Gordon Street Guelph ON	W/414.9	313.42	<a href="#">470</a>
<a href="#">310</a>	GEN	Maple Ayr Enterprises Ltd	56 Gordon St Guelph ON N1H 4H3	W/414.9	313.42	<a href="#">470</a>
<a href="#">310</a>	GEN	everton enterprises inc	56 gordon st guelph ON N1H 4H3	W/414.9	313.42	<a href="#">470</a>
<a href="#">311</a>	EHS		15 Surrey Street and 49 Gordon Street Guelph ON	WSW/399.5	310.14	<a href="#">471</a>
<a href="#">312</a>	FST	NASALI HOLDINGS LTD	587 YORK RD GUELPH ON N1E 3J3	NNE/459.4	311.00	<a href="#">471</a>



<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">312</a>	FST	NASALI HOLDINGS LTD	587 YORK RD GUELPH ON N1E 3J3	NNE/459.4	311.00	<a href="#">471</a>
<a href="#">312</a>	RST	ESSO ON YORK	587 YORK RD GUELPH ON N1E3J3	NNE/459.4	311.00	<a href="#">471</a>
<a href="#">313</a>	SPL	STRAUSS FUELS INC.	CORNER OF YORK & WELLS STREET GUELPH GUELPH CITY ON	NNE/487.3	311.00	<a href="#">47</a>
<a href="#">314</a>	SPL	DURACHEM	587 YORK RD. POOL SUPPLY GUELPH CITY ON N1E 3J3	NNE/466.3	311.00	<a href="#">47</a>
<a href="#">315</a>	PINC		25 WELLINGTON ST W, GUELPH ON	WSW/386.8	310.00	<a href="#">472</a>
<a href="#">316</a>	GEN	Budget Car Inc.	42 Gordon Street Guelph ON	W/445.4	314.26	<a href="#">473</a>
<a href="#">316</a>	GEN	Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	W/445.4	314.26	<a href="#">473</a>
<a href="#">316</a>	GEN	Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	W/445.4	314.26	<a href="#">473</a>
<a href="#">316</a>	GEN	Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	W/445.4	314.26	<a href="#">473</a>
<a href="#">316</a>	GEN	Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	W/445.4	314.26	<a href="#">474</a>
<a href="#">316</a>	GEN	Budget Car Inc.	42 Gordon Street Guelph ON	W/445.4	314.28	<a href="#">474</a>
<a href="#">317</a>	WWIS		Guelph ON	WSW/384.7	307.99	<a href="#">474</a>
<a href="#">318</a>	GEN	KING CLEANERS 23-234	49 GORDON ST. GUELPH ON N1H 4H2	WSW/423.4	310.46	<a href="#">475</a>
<a href="#">318</a>	GEN	930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	WSW/423.4	310.46	<a href="#">475</a>
<a href="#">318</a>	GEN	930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4M2	WSW/423.4	310.46	<a href="#">475</a>
<a href="#">318</a>	GEN	930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4M2	WSW/423.4	310.46	<a href="#">475</a>
<a href="#">318</a>	GEN	930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	WSW/423.4	310.46	<a href="#">475</a>
<a href="#">318</a>	GEN	930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	WSW/423.4	310.46	<a href="#">476</a>
<a href="#">318</a>	GEN	930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	WSW/423.4	310.46	<a href="#">476</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">318</a>	GEN	KING CLEANERS	49 GORDON ST. GUELPH ON N1H 4H2	WSW/423.4	310.46	<a href="#">476</a>
<a href="#">318</a>	GEN	930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON	WSW/423.4	310.46	<a href="#">476</a>
<a href="#">319</a>	EHS		42 Gordon Street Guelph ON N1H 4H3	W/446.8	313.75	<a href="#">477</a>
<a href="#">320</a>	GEN	Oriental Healing Arts Research Inc.	15 Surrey St West Unit 3A Guelph ON N1H 3R3	WSW/427.3	310.00	<a href="#">477</a>
<a href="#">320</a>	GEN	Guelph Cat Clinic professional corporation	15 Surrey Street West Guelph ON	WSW/427.3	310.00	<a href="#">477</a>
<a href="#">320</a>	GEN	Guelph Cat Clinic professional corporation	15 Surrey Street West Guelph ON	WSW/427.3	310.00	<a href="#">477</a>
<a href="#">321</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	WSW/453.7	312.12	<a href="#">478</a>
<a href="#">321</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	WSW/453.7	312.12	<a href="#">478</a>
<a href="#">321</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	WSW/453.7	312.12	<a href="#">478</a>
<a href="#">322</a>	CA	810136 ONTARIO LTD.	35 GORDON STREET GUELPH CITY ON N1H 4H2	WSW/455.3	312.15	<a href="#">47</a>
<a href="#">322</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	WSW/455.3	312.15	<a href="#">479</a>
<a href="#">322</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON	WSW/455.3	312.15	<a href="#">479</a>
<a href="#">322</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	WSW/455.3	312.15	<a href="#">479</a>
<a href="#">322</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON	WSW/455.3	312.15	<a href="#">479</a>
<a href="#">322</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON	WSW/455.3	312.15	<a href="#">480</a>
<a href="#">322</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON	WSW/455.3	312.15	<a href="#">480</a>
<a href="#">322</a>	EXP	810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	WSW/455.3	312.15	<a href="#">480</a>
<a href="#">322</a>	PRT	810136 ONT LTD	35 GORDON ST GUELPH ON N1H4H2	WSW/455.3	312.15	<a href="#">48</a>
<a href="#">323</a>	GEN	Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	WSW/444.8	310.00	<a href="#">480</a>

<b>Map Key</b>	<b>DB</b>	<b>Company/Site Name</b>	<b>Address</b>	<b>Dir/Dist m</b>	<b>Elev diff m</b>	<b>Page Number</b>
<a href="#">323</a>	GEN	Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	WSW/444.8	310.00	<a href="#">481</a>
<a href="#">323</a>	GEN	Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	WSW/444.8	310.00	<a href="#">481</a>
<a href="#">323</a>	GEN	CANADIAN MEDICAL LABORATORIES	21 SURREY STREET GUELPH ON N1H 3R3	WSW/444.8	310.00	<a href="#">481</a>
<a href="#">323</a>	GEN	CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	WSW/444.8	310.00	<a href="#">481</a>
<a href="#">323</a>	GEN	Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	WSW/444.8	310.00	<a href="#">482</a>
<a href="#">323</a>	GEN	Surrey Family Practice	101-21 Surrey St. W. Guelph ON	WSW/444.8	310.00	<a href="#">482</a>
<a href="#">323</a>	GEN	CANADIAN MEDICAL LABORATORIES LIMITED	21 SURREY STREET GUELPH ON N1H 3R3	WSW/444.8	310.00	<a href="#">482</a>
<a href="#">323</a>	GEN	LifeLabs LP	21 SURREY STREET GUELPH ON N1H 3R3	WSW/444.8	310.00	<a href="#">482</a>
<a href="#">323</a>	GEN	CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	WSW/444.8	310.00	<a href="#">483</a>
<a href="#">323</a>	GEN	CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	WSW/444.8	310.00	<a href="#">483</a>
<a href="#">323</a>	GEN	Surrey Family Practice	101-21 Surrey St. W. Guelph ON N1H 3R3	WSW/444.8	310.00	<a href="#">483</a>
<a href="#">323</a>	GEN	Surrey Family Practice	101-21 Surrey St. W. Guelph ON	WSW/444.8	310.00	<a href="#">483</a>
<a href="#">323</a>	GEN	Surrey Family Practice	101-21 Surrey St. W. Guelph ON	WSW/444.8	310.00	<a href="#">484</a>
<a href="#">323</a>	GEN	CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	WSW/444.8	310.00	<a href="#">484</a>
<a href="#">323</a>	GEN	LifeLabs LP	21 SURREY STREET GUELPH ON N1H 3R3	WSW/444.8	310.00	<a href="#">484</a>
<a href="#">323</a>	GEN	Surrey Family Practice	101-21 Surrey St. W. Guelph ON	WSW/444.8	310.00	<a href="#">484</a>
<a href="#">324</a>	GEN	Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON	WSW/456.5	310.00	<a href="#">484</a>
<a href="#">324</a>	GEN	LifeLabs LP	21 SURREY STREET GUELPH ON	WSW/456.5	310.00	<a href="#">485</a>
<a href="#">324</a>	GEN	Surrey Family Practice	101-21 Surrey St. W. Guelph ON	WSW/456.5	310.00	<a href="#">485</a>

<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>
<a href="#">325</a>	EHS		31 Gordon St Guelph ON N1H 4G9	W/495.0	315.24	<a href="#">485</a>
<a href="#">326</a>	WWIS		Guelph ON	WSW/458.0	310.00	<a href="#">485</a>

# Executive Summary: Summary By Data Source

## **ANDR - Anderson's Waste Disposal Sites**

A search of the ANDR database, dated 1860s-Present has found that there are 1 ANDR site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
Boult Ave Dump	Guelph ON N1E 5W7	60.2	<a href="#">17</a>

## **AUWR - Automobile Wrecking & Supplies**

A search of the AUWR database, dated 2001-Jul 2014 has found that there are 2 AUWR site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
PRE-SIXTIES CARS & PARTS LTD	60 ONTARIO ST GUELPH ON N1E3B1	376.3	<a href="#">120</a>
PRE-SIXTIES CARS & PARTS LTD	60 ONTARIO ST GUELPH ON N1E 3B1	379.9	<a href="#">123</a>

## **BORE - Borehole**

A search of the BORE database, dated 1875-Jul 2014 has found that there are 5 BORE site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
	ON	54.6	<a href="#">168</a>
	ON	58.5	<a href="#">171</a>
	ON	75.2	<a href="#">172</a>
	ON	90.5	<a href="#">174</a>
	ON	69.3	<a href="#">176</a>

## **CA - Certificates of Approval**

A search of the CA database, dated 1985-Oct 30, 2011\* has found that there are 108 CA site(s) within approximately 0.50 kilometers of the project property.

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
F.M. Woods Pumping Station	29 Waterworks Place Guelph ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
Woods Station - 29 Waterworks Place	Part of Lots 4 & 5, Broken Front Part Division F Guelph ON	97.6	<a href="#"><u>16</u></a>
Woods Station - 29 Waterworks Place	Part of Lots 4 & 5, Broken Front Part Division F Guelph ON	97.6	<a href="#"><u>16</u></a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
	247 York Rd. Guelph ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC	247 YORK ROAD, GLASS PLANT GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OC Celfortec Inc. and Owens Corning Composite Materials Canada GP Inc.	247 York St Guelph ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#"><u>19</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
	247 York Road Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc.	247 York Road Guelph ON	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.(SEE NOT. 17-1-92)	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
	247 York Rd. Guelph ON N1E 3G4	230.4	<a href="#">19</a>
	247 York Rd. Guelph ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
Owens Corning Canada Inc.	247 York Road Guelph ON	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC., GUELPH GLASS	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK RD. GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>



<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	247 York Rd. Guelph ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
NGF Canada Limited	255 York Rd Guelph ON N1E 3G4	221.5	<a href="#">21</a>
NGF Canada Limited	255 York Rd Guelph ON N1E 3G4	221.5	<a href="#">21</a>
NGF CANADA LIMITED	255 YORK ROAD GUELPH CITY ON N1E 3G4	221.5	<a href="#">21</a>
NGF Canada Limited	255 York Road Guelph ON N1E 3G4	221.5	<a href="#">21</a>
NGF Canada Limited	255 York Rd Guelph ON N1E 3G4	221.5	<a href="#">21</a>
NGF Canada Limited	255 York Road Guelph ON N1E 3G4	221.5	<a href="#">21</a>
	Owens Corning-Guelph Glass Plant Guelph ON	286.2	<a href="#">25</a>
OWENS-CORNING CANADA INC	165 YORK ROAD GUELPH CITY ON N1E 3G1	222.4	<a href="#">28</a>
FIBERGLAS CANADA INC.	165 YORK RD. GUELPH CITY ON N1E 3G1	222.4	<a href="#">28</a>
Fred E. Prior & Sons Limited	38 Hood Street Guelph ON N1E 5W3	101.0	<a href="#">68</a>
139 Morris Street, Unit 3	139 Morris Street, Unit 3, Plan 322, Lots 21-30 Guelph ON N1E 5M6	397.0	<a href="#">70</a>
ABS On Time Logistics Corp.	139 Morris Street Guelph ON	397.0	<a href="#">70</a>
TALLON METAL TECHNOLOGIES INC. - LOT 1	STEVENSON ST./BEVERLY ST. GUELPH CITY ON	480.8	<a href="#">122</a>
LINREAD CANADA LTD.	24 HAYES AVE. GUELPH CITY ON N1E 5V5	415.5	<a href="#">135</a>
LINREAD CANADA LTD.	24 HAYES AVE. GUELPH CITY ON N1E 5V5	415.5	<a href="#">135</a>
ABS Friction Corp.	10 Kingsmill Ave Guelph ON	446.7	<a href="#">145</a>
ABS Friction Corp.	10 Kingsmill Avenue Guelph ON	446.7	<a href="#">145</a>
ABS FRICTION INC.	10 KINGSMILL AVENUE GUELPH CITY ON N1E 5V9	446.7	<a href="#">145</a>
	10 Kingsmill Avenue Guelph ON N1E 5V9	446.7	<a href="#">145</a>
ABS Friction Inc.	10 Kingsmill Ave Guelph ON	446.7	<a href="#">145</a>
VICTOR DAVIS MEMORIAL COURT NON-PROFIT H	87 NEEVE STREET GUELPH CITY ON	339.5	<a href="#">157</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
GUELPH NON-PROFIT HSG. CORP.	85 NEEVE STREET GUELPH CITY ON	365.4	<a href="#">159</a>
McGregor Furniture Company Ltd.	490 York Rd Building E Guelph ON N1E 6V1	437.5	<a href="#">161</a>
Christopher A. Hayes	490 York Rd Guelph ON N1E 6V1	437.5	<a href="#">161</a>
494677 ONTARIO LTD. (MAURIZIO ROMANIN)	VICTORIA RD./YORK RD. GUELPH CITY ON	348.1	<a href="#">195</a>
GUELPH CITY	GORDON ST./ALBERT ST./COLLEGE GUELPH CITY ON	249.6	<a href="#">204</a>
Institute of Ichthyology	Building No. 92, Gordon Street Guelph ON N1H 4H6	254.0	<a href="#">250</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICAL LIMITED	256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Huntsman Corporation Canada Inc.	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICAL COMPANY	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICAL LTD.	256 VICTORIA RD.S. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICAL LIMITED	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
FERCAN DEVELOPMENT CORPORATION	40 WELLINGTON STREET GUELPH CITY ON	291.9	<a href="#">277</a>
	40 Wellington Street Guelph ON	291.9	<a href="#">277</a>
CRA CONTRACTING SERVICES & ROCKWELL AUTO	40 WELLINGTON ST., RP 61R-5245 GUELPH CITY ON	291.9	<a href="#">277</a>
810136 ONTARIO LTD.	35 GORDON STREET GUELPH CITY ON N1H 4H2	455.3	<a href="#">322</a>

## **CHEM - Chemical Register**

A search of the CHEM database, dated 1992, 1999-Jul 2014 has found that there are 3 CHEM site(s) within approximately 0.50 kilometers of the project property.

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
ROBERTS ON GUARD PRODUCTS LTD	490 YORK RD GUELPH ON N1E 6V1	437.5	<a href="#">161</a>
HART CHEMICAL LIMITED	GUELPH ON	103.7	<a href="#">183</a>
HUNTSMAN CORPORATION CANADA INC	256 VICTORIA RD S GUELPH ON N1E 5R1	264.6	<a href="#">256</a>

## **CONV - Compliance and Convictions**

A search of the CONV database, dated 1989-Feb 2014 has found that there are 2 CONV site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
Haastown Holdings (Guelph) Incorporated	45 Cross Street Guelph ON	418.1	<a href="#">146</a>
Haastown Holdings (Guelph) Incorporated	35 Cross Street Guelph ON	410.5	<a href="#">149</a>

## **CPU - Certificates of Property Use**

A search of the CPU database, dated 1994-Apr 2015 has found that there are 1 CPU site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
180 Gordon Street Ltd.	180 Gordon Street Guelph ON	233.5	<a href="#">185</a>

## **EBR - Environmental Registry**

A search of the EBR database, dated 1994-Apr 2015 has found that there are 39 EBR site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
Owens-Corning Canada Inc.Guelph Glass	247 York Road City of Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc.Guelph Glass	247 York Road City of Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc	247 York Rd. Guelph ON N1E 3G4	230.4	<a href="#">19</a>
OC Celfortec Inc. and Owens Corning Composite Materials Canada GP Inc.	247 York Street Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc	247 York Road City of Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc.	247 York Rd Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc	247 York Road City of Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc	247 York Rd. Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc	247 York Rd. Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc.Guelph Glass	247 YORK RD. City of Guelph ON N1E 3G4	230.4	<a href="#">19</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Owens-Corning Canada Inc.	247 York Rd Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc. Guelph Glass	247 YORK ROAD City of Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc	247 York Road City of Guelph ON N1E 3G4	230.4	<a href="#">19</a>
NGF Canada Limited	255 York Road Guelph ON N1E 3G4	221.5	<a href="#">21</a>
NGF Canada Limited	255 York Road Guelph ON N1E 3G4	221.5	<a href="#">21</a>
NGF Canada Limited	255 York Road Guelph ON N1E 3G4	221.5	<a href="#">21</a>
NGF Canada Limited	255 York Road Guelph ON N1E 3G4	221.5	<a href="#">21</a>
Owens-Corning Canada Inc	165 York Road City of Guelph ON N1E 3G1	222.4	<a href="#">28</a>
ABS On Time Logistics Inc.	139 Morris Street Guelph ON N1E 5M6	397.0	<a href="#">70</a>
ABS On Time Logistics Inc	139 Morris Street Guelph ON N1E 5M6	397.0	<a href="#">70</a>
Insitu Contractors Inc.	Guelph ON N1E 5N7	461.8	<a href="#">118</a>
Insitu Contractors Inc.	Guelph ON	461.8	<a href="#">118</a>
Insitu Contractors Inc.	Guelph ON N1E 5N7	461.8	<a href="#">118</a>
ABS Friction Inc.	City of Guelph ON	418.0	<a href="#">140</a>
ABS Friction Inc	10 Kingsmill Avenue Guelph ON N1E 5V9	446.7	<a href="#">145</a>
ABS Friction Inc.	10 Kingsmill Avenue Guelph ON N1E 5V9	446.7	<a href="#">145</a>
ABS Friction Corp.	10 Kingsmill Avenue Guelph ON N1E 5V9	446.7	<a href="#">145</a>
McGregor Furniture Company Ltd.	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
Christopher A. Hayes	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
Huntsman Corporation Canada	City of Guelph ON	103.7	<a href="#">183</a>
Huntsman Corporation Canada	City of Guelph ON	103.7	<a href="#">183</a>
FLEWELLING GARAGE LTD	67 SURREY ST E Guelph ON N1H 3P7	424.3	<a href="#">245</a>
Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	264.6	<a href="#">256</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
Mayflower Properties (Guelph) Inc	256 Victoria Street South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Road S Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Huntsman Corporation Canada	256 Victoria Road South City of Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	264.6	<a href="#">256</a>
CRA Contracting Services & Rockwell Automation of Canada Inc	40 Wellington Street City of Guelph ON	291.9	<a href="#">277</a>

### **ECA - Environmental Compliance Approval**

A search of the ECA database, dated Oct 31, 2011-Apr 2015 has found that there are 2 ECA site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
University of Guelph	328 Victoria Road South Lot 12 Division G Guelph ON N1L 0H2	75.7	<a href="#">179</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Rd S Guelph ON N1E 5R1	264.6	<a href="#">256</a>

### **EHS - ERIS Historical Searches**

A search of the EHS database, dated 1999-Aug 2014 has found that there are 40 EHS site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	247 York Road Guelph ON N1E 3G4	230.4	<a href="#">19</a>
	247 York R n/a ON N1E 3G4	230.4	<a href="#">19</a>
	139 Morris St Guelph ON N1E5M6	389.3	<a href="#">66</a>
	139 Morris Street Guelph ON N1E 5M6	397.0	<a href="#">70</a>
	139 Morris Street Guelph ON N1E 5M6	397.0	<a href="#">70</a>
	Stevensen St S (between York and Elizabeth) Guelph ON	455.7	<a href="#">97</a>
	172 Arthur Street & 20 Manitoba St Guelph ON	389.7	<a href="#">104</a>
	161 Neeve Street & 47 Richardson Street South	214.6	<a href="#">116</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	Guelph ON		
	31 Alice Street Guelph ON N1E 2Z7	494.5	<a href="#">125</a>
	James Street East Guelph ON	181.6	<a href="#">127</a>
	24 Hayes Avenue Guelph ON N1E 5V5	415.5	<a href="#">135</a>
	26 Ontario Street n/a ON N1E 7K1	405.0	<a href="#">136</a>
	Highway 6 Guelph ON	213.7	<a href="#">138</a>
	70 York Road Guelph ON N1E 3E6	76.6	<a href="#">141</a>
	10 Kingsmill Ave Guelph ON N1E 5V9	446.7	<a href="#">145</a>
	10 Kingsmill Avenue Guelph ON N1E 5V9	446.7	<a href="#">145</a>
	10 Kingsmill Ave Guelph ON N1E5V9	433.8	<a href="#">148</a>
	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
	236 Gordon Street Guelph ON N1G 1X3	342.8	<a href="#">167</a>
	75 Wyndham St S Guelph On Guelph ON N1E5R3	140.0	<a href="#">173</a>
	71 Wyndham Street South Guelph ON N1E 5R3	169.1	<a href="#">181</a>
	180 Gordon Street Guelph ON N1G 1X1	229.8	<a href="#">186</a>
	220-240 Victoria Rd. S. Guelph ON N1E 5R1	253.5	<a href="#">188</a>
	220 Gordon Street Guelph ON	323.9	<a href="#">191</a>
	236 Gordon Street Guelph ON	363.0	<a href="#">194</a>
	York Rd & Victoria Rd S Guelph ON	348.1	<a href="#">195</a>
	200-240 Victoria Rd S Guelph ON N1E 5R1	257.3	<a href="#">206</a>
	109 Surrey Street (East) Guelph ON N1H 3P7	486.3	<a href="#">214</a>
	523 York Rd. Guelph ON N1E 3J3	348.6	<a href="#">222</a>
	154 Victoria Road South Guelph ON N1E 5P6	497.6	<a href="#">236</a>
	154 Victoria Road South Guelph ON N1E 5P6	497.6	<a href="#">236</a>



<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	240 Victoria Rd S Guelph ON	286.4	<a href="#">242</a>
	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
	36 Wyndham Street GUELPH ON	486.6	<a href="#">264</a>
	20 Wellington Street East Guelph ON N1H 3R8	340.7	<a href="#">271</a>
	Surrey St Ewyndham St S Guelph ON	441.8	<a href="#">283</a>
	73 Gordon St Guelph ON N1H 4H5	340.2	<a href="#">294</a>
	15 Surrey Street and 49 Gordon Street Guelph ON	399.5	<a href="#">311</a>
	42 Gordon Street Guelph ON N1H 4H3	446.8	<a href="#">319</a>
	31 Gordon St Guelph ON N1H 4G9	495.0	<a href="#">325</a>

### **EXP - List of TSSA Expired Facilities**

A search of the EXP database, dated Current to Nov 2014 has found that there are 55 EXP site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	330.1	<a href="#">131</a>
1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	330.1	<a href="#">131</a>
1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#">132</a>
1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#">132</a>
1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#">132</a>
TNT RENTAL CENTRE LIMITED	75 WYNDHAM ST S GUELPH ON	140.0	<a href="#">173</a>
TNT RENTAL CENTRE LIMITED	71 WYNDHAM ST S GUELPH ON	169.1	<a href="#">181</a>
MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	233.5	<a href="#">185</a>
MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	233.5	<a href="#">185</a>
MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	233.5	<a href="#">185</a>
MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	233.5	<a href="#">185</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON N1G 1X1	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
MICWIL INC	180 GORDON ST GUELPH ON	229.8	<a href="#">186</a>
STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	348.6	<a href="#">222</a>
IMPERIAL OIL LIMITED C/O AUDREY STURGE	523 YORK RD & VICTORIA ST GUELPH ON L0L 2L0	348.6	<a href="#">222</a>
STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	348.6	<a href="#">222</a>
STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	348.6	<a href="#">222</a>
STRAUSS FUELS INC	523 YORK RD & VICTORIA ST GUELPH ON	348.6	<a href="#">222</a>
1579149 ONTARIO LTD	58 WELLINGTON ST E AT WYNDHAM GUELPH ON	337.5	<a href="#">227</a>
SHELL CANADA PRODUCTS**	154 VICTORIA RD S GUELPH ON N1E 5P6	497.6	<a href="#">236</a>
DOUG POLLOCK FUELS LTD	154 VICTORIA RD S GUELPH ON	497.6	<a href="#">236</a>
DOUG POLLOCK FUELS LTD	154 VICTORIA RD S GUELPH ON	497.6	<a href="#">236</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	340.2	<a href="#">294</a>
WELLINGTON ESSO 1990	73 GORDON ST GUELPH ON N1H 4H5	340.2	<a href="#">294</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.2	<a href="#">294</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.4	<a href="#">295</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.4	<a href="#">295</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.4	<a href="#">295</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.4	<a href="#">295</a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED	73 GORDON ST GUELPH ON N1H 4H5	340.4	<a href="#">295</a>
810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	453.7	<a href="#">321</a>
810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	453.7	<a href="#">321</a>
810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	453.7	<a href="#">321</a>
810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	455.3	<a href="#">322</a>
810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	455.3	<a href="#">322</a>
810136 ONT LTD	35 GORDON ST GUELPH ON	455.3	<a href="#">322</a>
810136 ONT LTD	35 GORDON ST GUELPH ON	455.3	<a href="#">322</a>
810136 ONT LTD	35 GORDON ST GUELPH ON N1H 4H2	455.3	<a href="#">322</a>
810136 ONT LTD	35 GORDON ST GUELPH ON	455.3	<a href="#">322</a>

**FST - Fuel Storage Tank**

A search of the FST database, dated 2010-Nov 2014 has found that there are 23 FST site(s) within approximately 0.50 kilometers of the project property.

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	56.4	<a href="#">4</a>
CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	56.4	<a href="#">4</a>
AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	318.9	<a href="#">113</a>
AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	318.9	<a href="#">113</a>
AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	318.9	<a href="#">113</a>
AYAAN FAMT INC	390 YORK RD GUELPH ON N1E 3H4	318.9	<a href="#">113</a>
SHAMLOW SERVICE O/A GAS STN	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#">132</a>
SHAMLOW SERVICE O/A GAS STN	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#">132</a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	350.0	<a href="#">241</a>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	350.0	<a href="#">241</a>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	350.0	<a href="#">241</a>
SUNCOR ENERGY PRODUCTS PARTNERSHIP	58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8	350.0	<a href="#">241</a>
FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	418.0	<a href="#">243</a>
FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	424.3	<a href="#">245</a>
FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	424.3	<a href="#">245</a>
FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	424.3	<a href="#">245</a>
FLEWELLING GARAGE LTD	67 SURREY ST E GUELPH ON N1H 3P7	424.3	<a href="#">245</a>
NASALI HOLDINGS LTD	587 YORK RD GUELPH ON N1E 3J3	459.4	<a href="#">312</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
NASALI HOLDINGS LTD	587 YORK RD GUELPH ON N1E 3J3	459.4	<a href="#">312</a>

### **FSTH - Fuel Storage Tank - Historic**

A search of the FSTH database, dated Pre-Jan 2010\* has found that there are 10 FSTH site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	42.6	<a href="#">8</a>
CITY OF GUELPH	29 WATERWORKS PL GUELPH ON N1E 6P7	42.6	<a href="#">8</a>
MAPLE LEAF GAS	390 YORK RD GUELPH ON N1E 3H4	323.9	<a href="#">114</a>
MAPLE LEAF GAS	390 YORK RD GUELPH ON N1E 3H4	323.9	<a href="#">114</a>
6370861 CANADA LTD	58 WELLINGTON ST E AT WYNDHAM GUELPH ON N1H 3R8	337.5	<a href="#">227</a>
6370861 CANADA LTD	58 WELLINGTON ST E AT WYNDHAM GUELPH ON N1H 3R8	337.5	<a href="#">227</a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
GUELPH FIRE DEPARTMENT	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#">230</a>

### **GEN - Ontario Regulation 347 Waste Generators Summary**

A search of the GEN database, dated 1986-Apr 2014 has found that there are 274 GEN site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON	56.4	<a href="#">4</a>
GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	42.6	<a href="#">8</a>
GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	42.6	<a href="#">8</a>
GUELPH, CORPORATION OF THE CITY OF	WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	42.6	<a href="#">8</a>

<b>Site</b>		<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
GUELPH, CITY OF		WATER DEPARTMENT 29 WATERWORKS PLACE GUELPH ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
GUELPH, CITY OF 483	17-	29 WATERWORKS PLACE, WATER DEPT. GUELPH ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
GUELPH, CITY OF 483	17-	WATER DEPT. 29 WATERWORKS PLACE C/O CARDEN ST. GUELPH ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
GUELPH, CORPORATION OF THE CITY OF		WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
NGF CANADA LIMITED		255 YORK RD GUELPH ON	230.6	<a href="#"><u>18</u></a>
FIBERGLAS CANADA INC.		247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING Insulating Systems Canada LP		247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING Insulating Systems Canada LP		247 YORK ROAD GUELPH ON	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING Insulating Systems Canada LP		247 YORK ROAD GUELPH ON	230.4	<a href="#"><u>19</u></a>
FIBERGLAS CANADA INC		(TEXTILE PLANT/247 YORK RD) PO BOX 3603 GUELPH ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
FIBERGLASS CANADA INC.		247 YORK RD. GUELPH ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC.		GUELPH GLASS PLANT 247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING Insulating Systems Canada LP		247 YORK ROAD GUELPH ON	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING Insulating Systems Canada LP		247 YORK ROAD GUELPH ON	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC. 15-022		GUELPH GLASS PLANT 247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING Insulating Systems Canada LP		247 YORK ROAD GUELPH ON N1H 6P6	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING Insulating Systems Canada LP		247 YORK ROAD GUELPH ON	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA INC.		247 YORK ROAD GUELPH ON N1H 6P6	230.4	<a href="#"><u>19</u></a>
NGF CANADA LIMITED		255 YORK ROAD GUELPH ON N1E 3G4	221.5	<a href="#"><u>21</u></a>
NGF CANADA LIMITED		255 YORK ROAD GUELPH ON N1E 3G4	221.5	<a href="#"><u>21</u></a>
NGF CANADA LIMITED		255 YORK ROAD GUELPH ON N1E 3G4	221.5	<a href="#"><u>21</u></a>
NGF CANADA LIMITED		255 YORK ROAD GUELPH ON N1E 3G4	221.5	<a href="#"><u>21</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
NGF CANADA LIMITED	255 YORK ROAD GUELPH ON N1E 3G4	221.5	<a href="#"><u>21</u></a>
NGF CANADA LIMITED	255 YORK RD GUELPH ON	221.5	<a href="#"><u>21</u></a>
Guelph Golf & Recreation Club Ltd.	P.O. Box 666 190 College Ave. East Guelph ON	224.9	<a href="#"><u>24</u></a>
FIBERGLAS CANADA INC	RESEARCH & DEVELOPMENT 165 YORK ROAD GUELPH ON N1E 3G1	222.4	<a href="#"><u>28</u></a>
OWENS CORNING CANADA INC.	165 YORK ROAD GUELPH ON N1E 3G1	222.4	<a href="#"><u>28</u></a>
OWENS CORNING CANADA INC.	TECHNICAL SERVICES BUILDING 165 YORK ROAD GUELPH ON N1H 6P6	222.4	<a href="#"><u>28</u></a>
OWENS-CORNING CANADA INC.	165 YORK ROAD TECHNICAL SERVICES BUILDING GUELPH ON N1E 3G1	222.4	<a href="#"><u>28</u></a>
OWENS-CORNING CANADA INC. 15-242	GUELPH TSO 165 YORK ROAD GUELPH ON N1E 3G1	222.4	<a href="#"><u>28</u></a>
FRED E. PRIOR & SONS LIMITED	34 HOOD STREET GUELPH ON N1E 5W3	131.6	<a href="#"><u>65</u></a>
FRED E. PRIOR & SONS LTD.	34 HOOD STREET GUELPH ON N1E 5W3	131.6	<a href="#"><u>65</u></a>
FRED E. PRIOR & SONS LTD.	34 HOOD STREET GUELPH ON N1E 5W3	131.6	<a href="#"><u>65</u></a>
Fred E. Prior and Sons Limited	38 Hood Street Guelph ON N1E5W3	101.0	<a href="#"><u>68</u></a>
Fred E. Prior and Sons Limited	38 Hood Street Guelph ON N1E 5W3	101.0	<a href="#"><u>68</u></a>
Fred E. Prior and Sons Limited	38 Hood Street Guelph ON N1E5W3	101.0	<a href="#"><u>68</u></a>
Fred E. Prior and Sons Limited	38 Hood Street Guelph ON	101.0	<a href="#"><u>68</u></a>
Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON	378.1	<a href="#"><u>69</u></a>
Upper Grand District School Board	131 Ontario Street Guelph ON	378.1	<a href="#"><u>69</u></a>
BILTMORE CANADA INC.	139 MORRIS STREET C/O P.O. BOX 690 GUELPH ON N1E 5M6	397.0	<a href="#"><u>70</u></a>
139 morris street holdings ltd	139 morris street Guelph ON	397.0	<a href="#"><u>70</u></a>
ABS ONTIME LOGISTICS INC.	139 MORRIS STREET GUELPH ON	397.0	<a href="#"><u>70</u></a>
139 morris street holdings ltd	139 morris street Guelph ON	397.0	<a href="#"><u>70</u></a>
BILTMORE CANADA INC.	139 MORRIS STREET GUELPH ON N1H 6L7	397.0	<a href="#"><u>70</u></a>
BILTMORE CANADA INCORPORATED	139 MORRIS STREET GUELPH ON N1H 6L7	397.0	<a href="#"><u>70</u></a>



<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
BILTMORE CANADA INC. 04-255	139 MORRIS STREET C/O P.O. BOX 690	397.0	<a href="#">70</a>
ABS ONTIME LOGISTICS INC.	GUELPH ON N1E 5M6 139 MORRIS STREET GUELPH ON	397.0	<a href="#">70</a>
ABS ONTIME LOGISTICS INC.	139 MORRIS STREET GUELPH ON N1H 6L7	397.0	<a href="#">70</a>
139 morris street holdings ltd	139 morris street Guelph ON	399.4	<a href="#">71</a>
Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	378.7	<a href="#">76</a>
Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	378.7	<a href="#">76</a>
Upper Grand District School Board	131 Ontario Street Guelph ON	378.7	<a href="#">76</a>
Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	378.7	<a href="#">76</a>
Upper Grand District School Board Tytler Public School	131 Ontario Street Guelph ON N1E 3B3	378.7	<a href="#">76</a>
Upper Grand District School Board	Tytler P.S. - 131 Ontario St. Guelph ON N1E 3B3	378.7	<a href="#">76</a>
Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	378.7	<a href="#">76</a>
Upper Grand District School Board	Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	378.7	<a href="#">76</a>
FirstOnSite	98 Ontario St Guelph ON	419.5	<a href="#">89</a>
BURNELL PRINTING LIMITED	405 YORK RD. GUELPH ON N1E 3H3	279.1	<a href="#">115</a>
BURNELL PRINTING LIMITED	405 YORK ROAD GUELPH ON N1E 3H3	279.1	<a href="#">115</a>
BURNELL PRINTING LIMITED 06-144	405 YORK RD. GUELPH ON N1E 3H3	279.1	<a href="#">115</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON	442.3	<a href="#">119</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	445.3	<a href="#">121</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	445.3	<a href="#">121</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	445.3	<a href="#">121</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	445.3	<a href="#">121</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	445.3	<a href="#">121</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	445.3	<a href="#">121</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
GUELPH HYDRO	BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH ON N1H 1A7	480.8	<a href="#">122</a>
GUELPH HYDRO	BEVERLEY ST. AT STEVENSON ST. SOUTH GUELPH ON N1H 1A7	480.8	<a href="#">122</a>
GUELPH HYDRO	BEVERLEY STREET AT STEVENSON STREET SOUTH GUELPH ON	480.8	<a href="#">122</a>
GUELPH HYDRO 344	18- BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH ON N1H 1A7	480.8	<a href="#">122</a>
Bell Canada	101 Beverly St Guelph ON	432.0	<a href="#">129</a>
702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE UNIT #1 GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
702920 ONTARIO INC./GATTO/VANPOUCKE	24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
LINREAD CANADA LTD 24-021	24 HAYES AVE. P.O. BOX 540 GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
LINREAD CANADA LTD	24 HAYES AVE. P.O. BOX 540 GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
DALTEC INDUSTRIES LTD.	24 HAYES AVENUE GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
JET (OUT OF BUS)	24 HAYES AVENUE UNIT #2 GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
Haaston Holdings Inc.	26 Ontario Street Guelph ON N1E 7K1	405.0	<a href="#">136</a>
1190312 Ontario Limited	10 Kingsmill Avenue Guelph ON	446.7	<a href="#">145</a>
ABS FRICTION CORP.	10 Kingsmill Avenue Guelph ON N1E 5V9	446.7	<a href="#">145</a>
ABS FRICTION INC.	10 Kingsmill Avenue Guelph ON	446.7	<a href="#">145</a>
CAMPBELL-COX(OUT OF BUS) 07-111	10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
2049936 Ontario Ltd	10 Kingsmill Ave Guelph ON	446.7	<a href="#">145</a>
GUELPH TOOL & DIE LIMITED	10 KINGSMILL AVENUE GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
ABS FRICTION INC.	10 KINGSMILL AVENUE GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
GUELPH TOOL & DIE LIMITED	10 KINGSMILL AVE. GUELPH ON N1E 5V9	446.7	<a href="#">145</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
ABS FRICTION INC.	10 Kingsmill Avenue Guelph ON	446.7	<a href="#">145</a>
ABS FRICTION INC.	10 Kingsmill Avenue Guelph ON	446.7	<a href="#">145</a>
CAMPBELL-COX FABRICATIONS	10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
GUELPH (OUT OF BUSINESS)D	10 KINGSMILL AVENUE GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
1190312 Ontario Limited	10 Kingsmill Avenue Guelph ON	436.8	<a href="#">147</a>
BANK OF AMERICA CANADA	83 NEEVE STREET GUELPH ON N1E 5R9	412.7	<a href="#">158</a>
City of Guelph Engineering	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
City of Guelph	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
City of Guelph	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
City of Guelph	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
City of Guelph	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
City of Guelph	490 York Road Guelph ON N1E 6V1	437.5	<a href="#">161</a>
City of Guelph	490 York Road Guelph ON	425.1	<a href="#">164</a>
University of Guelph Guelph Turfgrass Institute	328 Victoria Road South Guelph ON N1L 0H2	75.7	<a href="#">179</a>
University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	75.7	<a href="#">179</a>
University of Guelph	328 Victoria Road South Guelph ON	75.7	<a href="#">179</a>
University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	75.7	<a href="#">179</a>
Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	261.9	<a href="#">189</a>
Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	261.9	<a href="#">189</a>
Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	261.9	<a href="#">189</a>
Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	261.9	<a href="#">189</a>
Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON	261.9	<a href="#">189</a>
Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	261.9	<a href="#">189</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Victoria Road Animal Hospital Professional Corp	222 Victoria Road South Guelph ON N1E 5R1	261.9	<a href="#">189</a>
Control Painting and Office Services Ltd.	199 Victoria Rd South unit E43 Guelph ON	386.7	<a href="#">196</a>
Control Painting and Office Services Ltd.	199 Victoria Rd South unit E43 Guelph ON	386.7	<a href="#">196</a>
Control Painting and Office Services Ltd.	199 Victoria Rd South unit E43 Guelph ON	386.7	<a href="#">196</a>
CORPORATION OF THE CITY OF GUELPH FIRE DEPARTMENT	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	406.0	<a href="#">215</a>
Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	406.0	<a href="#">215</a>
CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	406.0	<a href="#">215</a>
Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	406.0	<a href="#">215</a>
GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON	170.2	<a href="#">218</a>
Ben Pilon Enterprise	101 surrey st east guelph ON N1H 3P7	468.3	<a href="#">221</a>
Imperial Oil Limited( c/o Sara Yonson)	523 YORK ROAD GUELPH ON N1E 3J3	348.6	<a href="#">222</a>
ESSO PETROLEUM CANADA	523 YORK ROAD GUELPH ON N2E 3J3	348.6	<a href="#">222</a>
TEXACO CANADA INC	523 YORK ROAD GUELPH ON N2E 3J3	348.6	<a href="#">222</a>
IMPERIAL OIL	523 YORK ROAD GUELPH ON N2E 3J3	348.6	<a href="#">222</a>
TEXACO CANADA INC.	523 YORK RD. GUELPH ON N1E 3J3	348.6	<a href="#">222</a>
Imperial Oil Limited	523 YORK ROAD GUELPH ON N2E 3J3	348.6	<a href="#">222</a>
Imperial Oil Limited	523 YORK ROAD GUELPH ON	348.6	<a href="#">222</a>
Imperial Oil	523 YORK ROAD GUELPH ON N1E 3J3	348.6	<a href="#">222</a>
IMPERIAL OIL LIMITED	523 YORK ROAD GUELPH ON N2E 3J3	348.6	<a href="#">222</a>
ESSO PETROLEUM CANADA 49-001	523 YORK ROAD, GUELPH C/O 1210 SHEPPARD AVENUE EAST NORTH YORK ON N1E 3J3	348.6	<a href="#">222</a>
Imperial Oil Limited	523 YORK ROAD GUELPH ON	348.6	<a href="#">222</a>
Imperial Oil Limited	523 YORK ROAD GUELPH ON	348.6	<a href="#">222</a>
TEXACO CANADA INC. 37-389	523 YORK RD. GUELPH ON N1E 3J3	348.6	<a href="#">222</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	174.1	<a href="#">223</a>
GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	174.1	<a href="#">223</a>
GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	174.1	<a href="#">223</a>
GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	174.1	<a href="#">223</a>
GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	174.1	<a href="#">223</a>
GUELPH ANIMAL HOSPITAL	110 GORDON STREET GUELPH ON N1H 4H6	174.1	<a href="#">223</a>
Imperial Oil	523 YORK ROAD GUELPH ON	349.6	<a href="#">224</a>
Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	387.5	<a href="#">230</a>
Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	387.5	<a href="#">230</a>
CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
GUELPH, CORP. OF THE CITY OF	50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON	387.5	<a href="#">230</a>
GUELPH, CORP. OF THE CITY OF	FIRE DEPARTMENT 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
Guelph Fire Department	50 Wyndham Street, South Guelph ON N1H 4E1	387.5	<a href="#">230</a>
GUELPH, CORP. OF THE CITY OF 17-371	50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
GUELPH, CORPORATION OF THE CITY OF	50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
Guelph Fire Department	50 Wyndham Street, South Guelph ON	387.5	<a href="#">230</a>
CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
GUELPH, CORP. OF THE CITY OF 17-371	FIRE DEPARTMENT 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
CORPORATION OF THE CITY OF GUELPH	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
Shell Canada Limited	154 Victoria Road South Guelph ON	492.4	<a href="#">233</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
GUELPH, CORP. OF THE CITY OF 18-278	RECYCLING DROP-OFF, 112 GORDON ST. C/O CITY HALL, 59 GARDEN STREET, GUELPH, ON N1H 4H6	185.9	<a href="#">235</a>
GUELPH, CORP. OF THE CITY OF	RECYCLING DROP-OFF, 112 GORDON ST. C/O CITY HALL, 59 GARDEN STREET, GUELPH, ON N1H 4H6	185.9	<a href="#">235</a>
SHELL CANADA PRODUCTS	154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	497.6	<a href="#">236</a>
SHELL CANADA PRODUCTS	154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	497.6	<a href="#">236</a>
SHELL CANADA PRODUCTS	154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	497.6	<a href="#">236</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON	449.5	<a href="#">238</a>
PRUSS AUTO BODY LTD.	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
PRUSS AUTO BODY LIMITED	97 SURREY STREET EAST GUELPH ON N1H 3P7	449.5	<a href="#">238</a>
Hazco Environmental Services	7602 Wellington Road #34 Guelph ON N1H 6H9	305.6	<a href="#">248</a>
Tervita Corporation	7602 Wellington Road #34 Guelph ON N1H 6H9	305.6	<a href="#">248</a>
Tervita Corporation	7602 Wellington Road #34 Guelph ON N1H 6H9	305.6	<a href="#">248</a>
PARKERS CLEANERS(OUT OF BUS.) 30-035	92 GORDON ST GUELPH ON N1H 4H6	254.0	<a href="#">250</a>
PARKERS CLEANERS(OUT OF BUS.)	92 GORDON ST GUELPH ON N1H 4H6	254.0	<a href="#">250</a>
PARKERS CLEANERS(OUT OF BUSINESS)	92 GORDON STREET GUELPH ON N1H 4H6	254.0	<a href="#">250</a>
PARKERS CLEANERS	92 GORDON ST GUELPH ON N1H 4H6	254.0	<a href="#">250</a>
AMEC Earth and Environmental	28 Wellington Street East Guelph ON N1H 3R8	306.5	<a href="#">251</a>
The Corporation of the City of Guelph	47 Surrey Street East Guelph ON	379.7	<a href="#">255</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICAL (SEE&USE ON0005299) 19-034	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICALS LTD.	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICAL (SEE&USE ON0005299)	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHE(SEE & USE ON1846500) 19-034	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	264.6	<a href="#">256</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHE(SEE & USE ON1846500)	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	264.6	<a href="#">256</a>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICAL LTD	PO BOX 450 256 VICTORIA RD S GUELPLH ON N1E 5R1	264.6	<a href="#">256</a>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON	266.7	<a href="#">258</a>
MTE Consulting	36 Wyndham Street South Guelph ON	481.6	<a href="#">262</a>
Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON N1H 4H4	290.9	<a href="#">263</a>
Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	290.9	<a href="#">263</a>
DELTA INTERNATIONAL MACHINERY 04-040	40 WELLINGTON STREET GUELPH ON N1H 6M7	291.9	<a href="#">277</a>
DELTA INTERNATIONAL MACHINERY	40 WELLINGTON STREET GUELPH ON N1H 6M7	291.9	<a href="#">277</a>
DELTA INTERNATIONAL MACHINERY	40 WELLINGTON STREET GUELPH ON N1H 6M7	291.9	<a href="#">277</a>
Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	344.9	<a href="#">287</a>
Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON N1H 4H4	344.9	<a href="#">287</a>



<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	344.9	<a href="#">287</a>
Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON N1H 4H4	344.9	<a href="#">287</a>
Alfred Schnurr Electric Company LTD.	64-80 Gordon Street Guelph ON	344.9	<a href="#">287</a>
GUELPH, CORPORATION OF THE CITY OF	FOUNTAIN ST. & WYNDAM ST., PARKING LOT C/O CITY HALL, 59 CARDEN STREET GUELPH ON N1H 3A1	493.6	<a href="#">291</a>
GUELPH, CORPORATION OF THE CITY OF 18-288	FOUNTAIN ST. & WYNDAM ST., PARKING LOT C/O CITY HALL, 59 CARDEN STREET GUELPH ON N1H 3A1	493.6	<a href="#">291</a>
GUELPH, CORPORATION OF THE CITY OF	CORNER FOUNTAIN & WYNDAM STREETS FOUNTAIN STREET PARKING LOT GUELPH ON	493.6	<a href="#">291</a>
UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET GUELPH ON N1H 6J6	412.5	<a href="#">299</a>
UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST_ GUELPH ON N1H 3P5	412.5	<a href="#">299</a>
UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	412.5	<a href="#">299</a>
UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	412.5	<a href="#">299</a>
UNION GAS LIMITED	10 SURREY STREET EAST GUELPH SERVICE CENTRE GUELPH ON N1H 3P5	412.5	<a href="#">299</a>
UNION GAS LIMITED	GUELPH SERVICE CENTER 10 SURREY ST. GUELPH ON N1H 6J6	412.5	<a href="#">299</a>
UNION GAS LIMITED 39-245	GUELPH SERVICE CENTER 10 SURREY ST. GUELPH ON N1H 6J6	412.5	<a href="#">299</a>
UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	412.5	<a href="#">299</a>
UNION GAS LIMITED	GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 6J6	412.5	<a href="#">299</a>
UNION GAS LIMITED 39-245	GUELPH SERVICE CENTRE 10 SURREY STREET GUELPH ON N1H 6J6	412.5	<a href="#">299</a>
ALFRED SCHNURR ELECTRIC CO. LTD.	64 GORDON STREET GUELPH ON N1H 4M4	370.3	<a href="#">301</a>
CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON N1H3N5	447.1	<a href="#">306</a>
CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	447.1	<a href="#">306</a>
CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	447.1	<a href="#">306</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	447.1	<a href="#">306</a>
CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	447.1	<a href="#">306</a>
CENTRAL AUTO SUPPLY (GUELPH) LTD. 08-598	27 FOUNTAIN ST. E. GUELPH ON N1H 3N5	447.1	<a href="#">306</a>
CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	447.1	<a href="#">306</a>
CENTRAL AUTO SUPPLY GUELPH INC	27 FOUNTAIN STREET GUELPH ON	447.1	<a href="#">306</a>
Enterprise Rent A Car Canada Company	56 Gordon Street Guelph ON	412.2	<a href="#">309</a>
MAPLE AYR ENTERPRISES LTD.	56 GORDON STREET GUELPH ON N1H 4H3	414.9	<a href="#">310</a>
Maple Ayr Enterprises Ltd	56 Gordon St Guelph ON N1H 4H3	414.9	<a href="#">310</a>
everton enterprises inc	56 gordon st guelph ON N1H 4H3	414.9	<a href="#">310</a>
Enterprise Rent A Car Canada Company	56 Gordon Street Guelph ON	414.9	<a href="#">310</a>
Budget Car Inc.	42 Gordon Street Guelph ON	445.4	<a href="#">316</a>
Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	445.4	<a href="#">316</a>
Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	445.4	<a href="#">316</a>
Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	445.4	<a href="#">316</a>
Budget Car Inc.	42 Gordon Street Guelph ON N1H 4H3	445.4	<a href="#">316</a>
Budget Car Inc.	42 Gordon Street Guelph ON	445.4	<a href="#">316</a>
KING CLEANERS 234	49 GORDON ST. GUELPH ON N1H 4H2	423.4	<a href="#">318</a>
930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	423.4	<a href="#">318</a>
930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4M2	423.4	<a href="#">318</a>
930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4M2	423.4	<a href="#">318</a>
930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	423.4	<a href="#">318</a>
930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	423.4	<a href="#">318</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON N1H 4H2	423.4	<a href="#">318</a>
KING CLEANERS	49 GORDON ST. GUELPH ON N1H 4H2	423.4	<a href="#">318</a>
930842 ONTARIO LIMITED O/A KING CLEANERS	49 GORDON STREET GUELPH ON	423.4	<a href="#">318</a>
Oriental Healing Arts Research Inc.	15 Surrey St West Unit 3A Guelph ON N1H 3R3	427.3	<a href="#">320</a>
Guelph Cat Clinic professional corporation	15 Surrey Street West Guelph ON	427.3	<a href="#">320</a>
Guelph Cat Clinic professional corporation	15 Surrey Street West Guelph ON	427.3	<a href="#">320</a>
Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	444.8	<a href="#">323</a>
CANADIAN MEDICAL LABORATORIES	21 SURREY STREET GUELPH ON N1H 3R3	444.8	<a href="#">323</a>
CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	444.8	<a href="#">323</a>
Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	444.8	<a href="#">323</a>
Surrey Family Practice	101-21 Surrey St. W. Guelph ON	444.8	<a href="#">323</a>
CANADIAN MEDICAL LABORATORIES LIMITED	21 SURREY STREET GUELPH ON N1H 3R3	444.8	<a href="#">323</a>
LifeLabs LP	21 SURREY STREET GUELPH ON N1H 3R3	444.8	<a href="#">323</a>
CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	444.8	<a href="#">323</a>
CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	444.8	<a href="#">323</a>
Surrey Family Practice	101-21 Surrey St. W. Guelph ON N1H 3R3	444.8	<a href="#">323</a>
Surrey Family Practice	101-21 Surrey St. W. Guelph ON	444.8	<a href="#">323</a>
Surrey Family Practice	101-21 Surrey St. W. Guelph ON	444.8	<a href="#">323</a>
CML HEALTHCARE INC.	21 SURREY STREET GUELPH ON	444.8	<a href="#">323</a>
LifeLabs LP	21 SURREY STREET GUELPH ON N1H 3R3	444.8	<a href="#">323</a>
Surrey Family Practice	101-21 Surrey St. W. Guelph ON	444.8	<a href="#">323</a>
Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	444.8	<a href="#">323</a>
Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON N1H 3R3	444.8	<a href="#">323</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
Guelph GI & Surgery Clinic	105-21 Surrey St.W Guelph ON	456.5	<a href="#">324</a>
LifeLabs LP	21 SURREY STREET GUELPH ON	456.5	<a href="#">324</a>
Surrey Family Practice	101-21 Surrey St. W. Guelph ON	456.5	<a href="#">324</a>

### **HINC - TSSA Historic Incidents**

A search of the HINC database, dated 2006-June 2009\* has found that there are 4 HINC site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	98 ONTARIO STREET GUELPH ON N1E 3B2	419.5	<a href="#">89</a>
	100 GORDON STREET GUELPH ON N1H 4H6	190.7	<a href="#">229</a>
	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	387.5	<a href="#">230</a>
	67 SURREY STREET EAST GUELPH ON N1H 3P7	424.3	<a href="#">245</a>

### **NPCB - National PCB Inventory**

A search of the NPCB database, dated 1988-2008\* has found that there are 16 NPCB site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
OWENS CORNING CANADA INC.	247 YORK ROAD South west corner of the plant Guelph ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC.	247 YORK ROAD YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC.	P.O. BOX 3603; 247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC	247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA INC.	247 YORK ROAD YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA INC.	SOUTH WEST CORNER OF THE PLANT 247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA	GUELPH TEXTILE PLANT; 247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA	GUELPH CHEMICAL PLANT; BOX 1448 GUELPH ON N1H 6N9	286.2	<a href="#">25</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
OWENS CORNING CANADA INC.	GUELPH CHEMICAL PLANT GUELPH CHEMICAL PLANT GUELPH ON	286.2	<a href="#">25</a>
THE BANK OF AMERICA	83 NEEVE STREET GUELPH ON N1E 5R9	412.7	<a href="#">158</a>
THE BANK OF AMERICA -Now ANDRIN BLDG. CORP.	83 Neeve Street Guelph ON N1E 5R9	412.7	<a href="#">158</a>
THE BANK OF AMERICA-NOW ANDRIN BLDG. CORP.	83 NEEVE STREET GUELPH ON N1E 5R9	412.7	<a href="#">158</a>
HAMRIL INVESTMENTS	490 YORK ROAD GUELPH ON N1E 6V1	437.5	<a href="#">161</a>
SHERWOOD FOREST INVESTMENTS ( GUEIPH ) INC. ( WAS HAMIL )	490 YORK ROAD GUELPH ON N1E 6V1	437.5	<a href="#">161</a>
Sherwood Forest Investments ( Guelph ) Inc. ( Was Hamil )	490 YORK ROAD Guelph ON N1E 6V1	437.5	<a href="#">161</a>

### **NPRI - National Pollutant Release Inventory**

A search of the NPRI database, dated 1993-2013 has found that there are 54 NPRI site(s) within approximately 0.50 kilometers of the project property.

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
Owens Corning Composite Materials Canada LP	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
Owens-Corning Guelph Glass Plant	247 York Road Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
OWENS CORNING COMPOSITE MATERIALS CANADA LP	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
Owens-Corning Guelph Glass Plant	Guelph ON	242.4	<a href="#">20</a>
OWENS-CORNING CANADA	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
Owens Corning Composite Materials Canada LP	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
Owens-Corning Canada Inc.	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
Owens-Corning Guelph Glass Plant	247 York Road Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
Owens-Corning Canada Inc.	247 York Road P.O. Box 3603 Guelph ON N1H 6P6	242.4	<a href="#">20</a>
Owens Corning Composite Materials Canada LP	247 York Road Guelph ON N1H6P6	242.4	<a href="#">20</a>
NGF CANADA	255 YORK Road GUELPH ON N1E3G4	221.5	<a href="#">21</a>
ABS Friction Corp.	10 Kingsmill Avenue Guelph ON N1H 5V9	497.6	<a href="#">144</a>
ABS Friction Inc.	10 Kingsmill Avenue Guelph ON N1E5V9	497.6	<a href="#">144</a>
ABS FRICTION	10 Kingsmill Avenue Guelph ON N1E5V9	497.6	<a href="#">144</a>
ABS Friction Corp.	10 Kingsmill Avenue Guelph ON N1E5V9	497.6	<a href="#">144</a>
ABS Friction Inc.	10 Kingsmill Avenue Guelph ON N1E5V9	497.6	<a href="#">144</a>
ABS FRICTION	10 Kingsmill Avenue Guelph ON N1E5V9	497.6	<a href="#">144</a>
Huntsman Corporation Canada Inc	256 Victoria Road South Guelph ON N1H6K8	103.7	<a href="#">183</a>
Huntsman Corporation Canada Inc	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>
MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1H 6K8	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
Huntsman Corporation Canada Inc	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>
Guelph Chemical Plant	Guelph ON	194.5	<a href="#">234</a>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	194.5	<a href="#">234</a>
Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	194.5	<a href="#">234</a>
Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	488.1	<a href="#">303</a>
Standard Brass & Aluminum Foundry Ltd.	550 York Rd. Guelph ON N1E 5T6	488.1	<a href="#">303</a>
Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	488.1	<a href="#">303</a>
Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	488.1	<a href="#">303</a>
Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	488.1	<a href="#">303</a>
Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	488.1	<a href="#">303</a>
Standard Brass & Aluminum Foundry Ltd	550 York Road Guelph ON N1E3J4	488.1	<a href="#">303</a>

### **OPCB - Inventory of PCB Storage Sites**

A search of the OPCB database, dated 1987-Oct 2004 has found that there are 2 OPCB site(s) within approximately 0.50 kilometers of the project property.



<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
OWENS-CORNING CANADA INC.	P.O. BOX 3603 247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
OWENS-CORNING CANADA INC.	247 YORK ROAD GUELPH ON N1E 3G4	230.4	<a href="#">19</a>

### **ORD - Orders**

A search of the ORD database, dated 1994-Apr 2015 has found that there are 1 ORD site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
TDL Group Ltd	28 Wellington Street East City of Guelph ON N1H 3R8	306.5	<a href="#">251</a>

### **PES - Pesticide Register**

A search of the PES database, dated 1988-Jun 2013 has found that there are 6 PES site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
TOTAL GARDENING SERVICES LTD	50 ONTARIO ST GUELPH ON N1E 3B1	384.1	<a href="#">126</a>
TOTAL GARDENING SERVICES LTD	50 ONTARIO ST. GUELPH ON N1E 3B1	384.1	<a href="#">126</a>
TOTAL GARDENING SERVICES LTD	50 ONTARIO ST. GUELPH ON N1E 3B1	384.1	<a href="#">126</a>
KROSHERRA CORPORATION (17528 - 04/2014)	10 KINGSMILL AVE GUELPH ON N1E5V9	446.7	<a href="#">145</a>
KROSHERRA CORPORATION (17528 - 04/2014)	10 KINGSMILL AVE GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
STEVE'S VALU-MART	86 GORDON STREET GUELPH ON N1H 4H6	274.9	<a href="#">254</a>

### **PINC - TSSA Pipeline Incidents**

A search of the PINC database, dated June 2009-2014 has found that there are 2 PINC site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	WELLINGTON ST AND GORDON ST, GUELPH ON	309.2	<a href="#">275</a>
	25 WELLINGTON ST W, GUELPH ON	386.8	<a href="#">315</a>

## **PRT - Private and Retail Fuel Storage Tanks**

A search of the PRT database, dated 1989-1996\* has found that there are 18 PRT site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
CITY OF GUELPH	29 WATER WORKS PL GUELPH ON N1E 6P7	42.6	<a href="#"><u>8</u></a>
MAPLE LEAF GAS & FUELS LTD AND QUALITY AUTO GLASS	390 YORK RD GUELPH ON N1E3H4	323.9	<a href="#"><u>114</u></a>
SAMS AUTO SERVICE LTD	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#"><u>132</u></a>
1028119 ONTARIO LIMITED	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#"><u>132</u></a>
TNT RENTAL CENTRE LTD	75 WYNDHAM ST S GUELPH ON N1E 5R3	140.0	<a href="#"><u>173</u></a>
TNT RENTAL CENTRE LTD	71 WYNDHAM ST S UNIT C GUELPH ON N1E 5R3	169.1	<a href="#"><u>181</u></a>
MIKE WILFORD SUNOCO	180 GORDON ST GUELPH ON N1G 1X1	229.8	<a href="#"><u>186</u></a>
MIKE WILFORD SUNOCO	180 GORDON ST GUELPH ON N1G1X1	229.8	<a href="#"><u>186</u></a>
IMPERIAL OIL LIMITED LINDA BOWES	523 YORK RD & VICTORIA ST GUELPH ON N1E 3J3	348.6	<a href="#"><u>222</u></a>
HARVEY SPROWL	58 WELLINGTON ST AT WYNDHAM GUELPH ON	337.5	<a href="#"><u>227</u></a>
GUELPH FIRE DEPARTMENT	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#"><u>230</u></a>
CITY OF GUELPH	50 WYNDHAM ST S GUELPH ON N1H 4E1	387.5	<a href="#"><u>230</u></a>
SHELL CANADA PRODUCTS LTD ATTN JIM ARCH	154 VICTORIA RD GUELPH ON	497.6	<a href="#"><u>236</u></a>
NORM FLEWELLING LTD NORMS ESSO	67 SURREY ST E GUELPH ON N1H3P7	424.3	<a href="#"><u>245</u></a>
GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMI	73 GORDON ST GUELPH ON	340.2	<a href="#"><u>294</u></a>
WELLINGTON ESSO 1990	73 GORDON ST GUELPH ON	340.2	<a href="#"><u>294</u></a>
	73 GORDON ST. GUELPH ON	340.2	<a href="#"><u>294</u></a>
810136 ONT LTD	35 GORDON ST GUELPH ON N1H4H2	455.3	<a href="#"><u>322</u></a>

## **PTTW - Permit to Take Water**

A search of the PTTW database, dated 1994-Apr 2015 has found that there are 5 PTTW site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
Guelph Cutten Club	190 College Avenue East, Lot: 3, Concession: 1 Guelph ON N1G 3B9	224.9	<a href="#">24</a>
Nacan Products Limited	256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Nacan Products Ltd.	256 Victoria Road City of Guelph ON	264.6	<a href="#">256</a>
Akzo Nobel Canada Inc.	Lot: 1, Concession: 2 256 Victoria Road South Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Rockwell Automation of Canada Inc.CRA Contracting Services	40 Wellington Street City of Guelph ON	291.9	<a href="#">277</a>

### **REC - Ontario Regulation 347 Waste Receivers Summary**

A search of the REC database, dated 1986-2013 has found that there are 2 REC site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
FIBERGLASS CANADA INC.	247 YORK RD. GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLASS CANADA INC.	247 YORK RD. GUELPH ON N1E 3G4	230.4	<a href="#">19</a>

### **RSC - Record of Site Condition**

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Mar 2015 has found that there are 7 RSC site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	45 Hooper Street Guelph ON N1E 5W6	101.0	<a href="#">30</a>
Estate of Arnold Prior	34 HOOD ST, GUELPH, ON, N1E 5W3 Guelph ON N1E 5W3	131.6	<a href="#">65</a>
Stone Cliff Ridge Developments Inc.	35 Brockville Avenue Guelph ON	142.5	<a href="#">85</a>
Stone Cliff Ridge Developments Inc.	35 Brockville Avenue Guelph ON N1E 5X5	142.5	<a href="#">85</a>
Elinor Knight	35 BROCKVILLE AVE, GUELPH, ON, N1E 5X5 GUELPH ON N1E 5X5	142.5	<a href="#">85</a>
Terra View Riverside Ltd.	84 and 86 Wyndham Street South and, 68 and 72 York Road GUELPH ON	126.4	<a href="#">142</a>
2065404 ONTARIO INC.	40 Wellington Street West, Guelph Guelph ON	291.9	<a href="#">277</a>

## **RST - Retail Fuel Storage Tanks**

A search of the RST database, dated 1999-Jul 2014 has found that there are 13 RST site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
MAPLE LEAF GAS & FUELS LTD	390 YORK RD GUELPH ON N1E3H4	318.9	<a href="#"><u>113</u></a>
MAPLE LEAF GAS & FUELS LTD	390 YORK RD GUELPH ON N1E 3H4	323.9	<a href="#"><u>114</u></a>
HILTON GROUP GAS	408 YORK RD GUELPH ON N1E 3H5	333.7	<a href="#"><u>132</u></a>
A MICWIL CAR & TRUCK RENTALS	180 GORDON ST GUELPH ON N1G 1X1	229.8	<a href="#"><u>186</u></a>
KAMRAN & BROS AUTO SERVICES LTD	58 WELLINGTON ST E GUELPH ON N1H 3R8	337.5	<a href="#"><u>227</u></a>
HARVEY'S SELF SERVE GAS BAR	58 WELLINGTON ST E GUELPH ON N1H3R8	337.5	<a href="#"><u>227</u></a>
WENTZEL AUTO SERVICES INC	58 WELLINGTON ST E GUELPH ON N1H 3R8	337.5	<a href="#"><u>227</u></a>
GRANGER FUELS LTD	154 VICTORIA S GUELPH ON	497.6	<a href="#"><u>236</u></a>
NORM'S ESSO SERVICE	67 SURREY ST E GUELPH ON N1H3P7	418.0	<a href="#"><u>243</u></a>
NORM'S ESSO SERVICE	67 SURREY ST E GUELPH ON N1H 3P7	424.3	<a href="#"><u>245</u></a>
ECONOMY LUBE INC	87 GORDON ST GUELPH ON N1H4H7	284.8	<a href="#"><u>269</u></a>
ECONOMY LUBE INC	87 GORDON ST GUELPH ON N1H 4H7	290.2	<a href="#"><u>274</u></a>
ESSO ON YORK	587 YORK RD GUELPH ON N1E3J3	459.4	<a href="#"><u>312</u></a>

## **SCT - Scott's Manufacturing Directory**

A search of the SCT database, dated 1992-Mar 2011 has found that there are 55 SCT site(s) within approximately 0.50 kilometers of the project property.

<b><u>Site</u></b>	<b><u>Address</u></b>	<b><u>Distance m</u></b>	<b><u>Map Key</u></b>
Owens Corning Canada	247 York Rd Guelph ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
OWENS-CORNING CANADA	247 YORK RD GUELPH ON N1E 3G4	230.4	<a href="#"><u>19</u></a>
NGF CANADA Limited	255 York Rd Guelph ON N1E 3G4	221.5	<a href="#"><u>21</u></a>
N G F CANADA LIMITED	255 YORK RD GUELPH ON N1E 3G4	221.5	<a href="#"><u>21</u></a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Clear Choice Window Mfg. Inc.	34 Hooper St Unit B Guelph ON N1E 5W5	160.3	<a href="#">27</a>
Northern Sport Fishing Products Ltd.	139 Morris St Unit 2 Guelph ON N1E 5M6	397.0	<a href="#">70</a>
FM WIRE SERVICE	139 Morris St Guelph ON N1E 5M6	397.0	<a href="#">70</a>
Biltmore Hats Inc.	139 Morris St Guelph ON N1E 5M6	397.0	<a href="#">70</a>
Northern Sport Fishing	139 Morris St Unit 2 Guelph ON N1E 5M6	397.0	<a href="#">70</a>
FM Wire Products	139 Morris St Unit 5 Guelph ON N1E 5M6	397.0	<a href="#">70</a>
Boxed Meat Revolution Ltd.	383 York Rd Guelph ON N1E 3H3	274.0	<a href="#">107</a>
Insitu Contractors Inc.	150 Stevenson St S Guelph ON N1E 5N7	445.3	<a href="#">121</a>
LEWIS UPHOLSTERY	404 YORK RD GUELPH ON N1E 3H4	328.4	<a href="#">124</a>
Bartlett Woodworking	141 Neeve St Guelph ON N1E 5S2	250.9	<a href="#">128</a>
ALCO VALVES LTD.	433 YORK RD GUELPH ON N1E 3H6	284.5	<a href="#">130</a>
KERSTING INDUSTRIES LTD.	24 HAYES AVE UNIT 1 GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
DALTEC INDUSTRIES LTD	24 HAYES AVE GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
Daltec Industries Ltd.	24 Hayes Ave Guelph ON N1E 5V5	415.5	<a href="#">135</a>
INDUSTRIAL PROCESS EQUIPMENT	24 HAYES AVE GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
ALLEN SIMPSON MARKETING & DSGN	24 HAYES AVE GUELPH ON N1E 5V5	415.5	<a href="#">135</a>
Klops Meat & Deli	442 York Rd Guelph ON N1E 3H8	345.7	<a href="#">137</a>
Old World Woodworking	460 York Rd Guelph ON N1E 3H8	355.4	<a href="#">143</a>
WENA MFG. CO. LTD.	10-A KINGSMILL AVE GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
ABS Friction Corp.	10 Kingsmill Ave Guelph ON N1E 5V9	446.7	<a href="#">145</a>
Wena Manufacturing Co. Ltd.	10 Kingsmill Rd Guelph ON N1E 5V9	446.7	<a href="#">145</a>
EASTWING WOOD SPECIALTIES	10 KINGSMILL AVE REAR BLDG GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
Wena Manufacturing Co. Ltd.	10 Kingsmill Ave Guelph ON N1E 5V9	446.7	<a href="#">145</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Superior Steel Fabricators	10 Kingsmill Ave Guelph ON N1E 5V9	446.7	<a href="#">145</a>
THOMPSON DIV OF VALCOM LTD H I	10 KINGSMILL AVE GUELPH ON N1E 5V9	446.7	<a href="#">145</a>
ABS Friction Inc.	10 Kingsmill Ave Guelph ON N1E 5V9	446.7	<a href="#">145</a>
Cash Rolls of Canada	45 Cross St Guelph ON N1E 2Z5	418.1	<a href="#">146</a>
TAYLOR JAMIESON MACHINE & ENG	45 CROSS ST UNIT 5 GUELPH ON N1E 2Z5	418.1	<a href="#">146</a>
AUTO-WRAP	45 Cross St Guelph ON N1E 2Z5	418.1	<a href="#">146</a>
BEDROSIAN RUBBER STAMPS	471 YORK RD GUELPH ON N1E 3J1	303.3	<a href="#">152</a>
Bedrosian Rubber Stamps Inc.	471 York Rd Guelph ON N1E 3J1	303.3	<a href="#">152</a>
Jetfloat Limited	490 York Rd Guelph ON N1E 6V1	437.5	<a href="#">161</a>
Bunting Magnetics Company	490 York Rd Unit 214 Guelph ON N1E 6V1	437.5	<a href="#">161</a>
SPECIALIZED FIBRES INC.	490 York Rd Suite A212 Guelph ON N1E 6V1	437.5	<a href="#">161</a>
McGregor Furniture Co.	490 York Rd Guelph ON N1E 6V1	437.5	<a href="#">161</a>
B B Wood	490 York Rd Guelph ON N1E 6V1	437.5	<a href="#">161</a>
SOLAR CONVERTERS INC.	490 YORK RD UNIT A104 GUELPH ON N1E 6V1	437.5	<a href="#">161</a>
Dougan & Associates	77 Wyndham St S Guelph ON N1E 5R3	121.7	<a href="#">162</a>
System Resale Solutions IV Ltd	199 Victoria Rd S Unit C5 Guelph ON N1E 6T9	386.7	<a href="#">196</a>
STERLING CREATIONS INC.	199 VICTORIA RD S UNIT C7 GUELPH ON N1E 6T9	386.7	<a href="#">196</a>
SOLAR CONVERTERS INC.	199 VICTORIA RD S UNIT C1 GUELPH ON N1E 6T9	386.7	<a href="#">196</a>
VTR Uniforms	199 Victoria Rd S Unit C8-C9 Guelph ON N1E 6T9	386.7	<a href="#">196</a>
The Futon Shop	23 Wellington St E Unit 4 Guelph ON N1H 3R7	273.9	<a href="#">220</a>
BJ'S SIGN & DESIGN	200 VICTORIA RD S GUELPH ON N1E 5R1	278.2	<a href="#">232</a>
ABERFOYLE COUNTRY YOGURT INC.	34 WELLINGTON ST E GUELPH ON N1H 3R8	308.7	<a href="#">247</a>
Millcreek Modular Homes	34 Wellington Rd E Aberfoyle ON N1H 3R8	308.7	<a href="#">247</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Daly's Wood Products Ltd.	5066 Wellington Rd 32 RR 7 Guelph ON N1H 6J4	307.3	<a href="#">249</a>
HAYES CUSTOM WOODWORKING	32 WELLINGTON ST W GUELPH ON N1H	307.3	<a href="#">249</a>
HUNTSMAN CORPORATION CANADA	256 VICTORIA RD S GUELPH ON N1E 5R1	264.6	<a href="#">256</a>
Huntsman Corporation Canada Inc.	256 Victoria Rd S Guelph ON N1E 5R1	264.6	<a href="#">256</a>
Schnurr Electric Company Ltd.	64 Gordon St Guelph ON N1H 4H4	370.3	<a href="#">301</a>

## **SPL - Ontario Spills**

A search of the SPL database, dated 1988-Feb 2014 has found that there are 97 SPL site(s) within approximately 0.50 kilometers of the project property.

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Hayman Construction Inc.	29 Waterworks PI F.M. WOODS STATION Guelph ON N1E 6P7	42.6	<a href="#">8</a>
TRANSPORT TRUCK	29 WATERWORKS PLACE TRANSPORT TRUCK (CARGO) GUELPH ON N1E 6P7	42.6	<a href="#">8</a>
OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
ALPHA OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	247 YORK RD GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
Owens-Corning Canada Inc.	247 York Road Guelph ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	247 YORK RD. GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
Owens Corning Canada Inc.	247 York Rd Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens Corning Composite Materials Canada GP Inc.	247 York Rd Guelph ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>



<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
ALPHA OWENS CORNING CANADA	247 YORK RD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
FIBERGLAS CANADA INC.	GUELPH PLANT 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
Owens Corning Composite Materials Canada GP Inc.	247 York Rd Guelph ON N1E 3G4	230.4	<a href="#">19</a>
Owens Corning	247 York Rd Guelph ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	230.4	<a href="#">19</a>
Owens Corning Canada Inc.	247 York Road Guelph ON N1E 3G4	230.4	<a href="#">19</a>
OWENS CORNING CANADA	WATERWORKS PLACE GUELPH PLANT #1, 247 YORK ROAD \GUELPH	230.4	<a href="#">19</a>
OWENS CORNING CANADA	GUELPH CITY ON N1E 3G4 OWENS CORNING GUELPH PLANT #1, 247 YORK ROAD GUELPH	286.2	<a href="#">25</a>
OWENS CORNING CANADA	GUELPH CITY ON SPEED RIVER GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON	286.2	<a href="#">25</a>
TRANSPORT TRUCK	COURTICE ROAD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON	324.9	<a href="#">32</a>
Fred Pryor and Sons<UNOFFICIAL>	38 Hood St Guelph ON N1E 5W3	101.0	<a href="#">68</a>
PRIVATE OWNER	TYLER PUBLIC SCHOOL, 131 ONTARIO STREET MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON N1E 3B3	378.7	<a href="#">76</a>
PRIVATE RESIDENCE	206 NEEVE ST. FURNACE OIL TANK GUELPH CITY ON N1E 5S4	185.9	<a href="#">83</a>
denied s. 21(1)	35 Brockville Avenue Guelph ON N1E 5X5	142.5	<a href="#">85</a>
CRAWFORD TRANSPORT	STEPHENSON AND YORK ROAD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON	289.9	<a href="#">92</a>
BILLMORE HATS	STORM SEWER OUTFALL AT END OF BROCKVILLE AVE @ YORK RD 139 MORRIS ST, GUELPH GUELPH CITY ON	298.5	<a href="#">106</a>
CANGO PETROLEUMS LTD.	408 YORK RD. SERVICE STATION GUELPH CITY ON N1E 3H5	333.7	<a href="#">132</a>
ADM Agri-Industries Company	24 Ontario Street Guelph ON N1E 3B1	352.8	<a href="#">133</a>
	10 Kingsmill Ave Guelph ON	446.7	<a href="#">145</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
Superior Steel Fabricators	10 Kingsmill Ave Guelph ON N1E 5V9	446.7	<a href="#">145</a>
The Corporation of the City of Guelph	York Rd and Wyndham St intersection MVA<UNOFFICIAL> Guelph ON	53.0	<a href="#">150</a>
HUNTSMAN CORP	19 LAWRENCE AVE AND VICTORIA ROAD & ERAMOSIA RIVER AREA GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5Y4	256.8	<a href="#">154</a>
UNKNOWN	SPEED RIVER NEEVE STREET BRIDGE GUELPH CITY ON	455.1	<a href="#">166</a>
FIRE DEPARTMENT	SPEED RIVER AT NEEVE ST. & WELLINGTON FIRE TRAINING EXERCISE GUELPH CITY ON	455.1	<a href="#">166</a>
TRANSPORT TRUCK	46 YORK RD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON	94.1	<a href="#">175</a>
HART CHEMICALS	VICTORIA RD. GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	103.7	<a href="#">183</a>
Upper Canada Forest Products<UNOFFICIAL>	Intersection of York & Victoria Streets<UNOFFICIAL> Guelph ON	348.1	<a href="#">195</a>
HUNTSMAN CORP	TIM HORTONS @ VICTORIA & YORK GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	348.1	<a href="#">195</a>
	Corner of Gordon and Forbes<UNOFFICIAL> Guelph ON	437.6	<a href="#">197</a>
The Corporation of the City of Guelph	Intersection of Gordon St. & Water St. Guelph ON	249.6	<a href="#">204</a>
SHERWOOD FUELS	BULK STATION GUELPH CITY ON	352.7	<a href="#">209</a>
BFI Canada Inc.	23 Wellington street Guelph ON	273.9	<a href="#">220</a>
BUS	OUTFALL TO SPEED RIVER BEHIND PLAZA AT MR. SUB, 23 WELLINGTON STREET EAST MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON N1H 3R7	273.9	<a href="#">220</a>
	23 Wellington St. East Guelph ON N1H 3R7	273.9	<a href="#">220</a>
ESSO PETROLEUM CANADA	523 YORK ROAD GUELPH BULK STATION 523 YORK ROAD GUELPH CITY ON N1E 3J3	348.6	<a href="#">222</a>
SHERWOOD FUELS	SHERWOOD FUELS BULK STATION 523 YORK ROAD, GUELPH BULK STATION GUELPH CITY ON N1E 3J3	348.6	<a href="#">222</a>
ESSO PETROLEUM CANADA	ESSO BULK STATION AT 523 YORK GUELPH BULK STATION GUELPH CITY ON N1E 3J3	348.6	<a href="#">222</a>
	50 Wyndham St. South Guelph ON N1H 4E1	387.5	<a href="#">230</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
SHELL CANADA PRODUCTS LTD.	154 VICTORIA RD. SOUTH TANK TRUCK (CARGO) GUELPH CITY ON N1E 5P6	497.6	<a href="#">236</a>
KENTUCKY FRIED CHICKEN	SPEED RIVER, DRIVEWAY AT KFC, ON WELLINGTON STREET, GUELPH RESTAURANT GUELPH CITY ON	323.1	<a href="#">237</a>
RST Transport<UNOFFICIAL>	67 Surrey St Guelph ON	424.3	<a href="#">245</a>
ESSO PETROLEUM CANADA	67 SURREY ST. E SERVICE STATION GUELPH CITY ON N1H 3P7	424.3	<a href="#">245</a>
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	264.6	<a href="#">256</a>
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD S GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA STREET GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD. S. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICALS LTD.	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HART CHEMICALS LTD.	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	264.6	<a href="#">256</a>
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	264.6	<a href="#">256</a>
Polymer Distribution Inc.	256 Victoria Rd S 256 VICTORIA ROAD SOUTH Guelph ON N1E 5R1	264.6	<a href="#">256</a>

<b>Site</b>	<b>Address</b>	<b>Distance m</b>	<b>Map Key</b>
TEXACO CHEMICAL CANADA LTD.	GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	256 264.6	<a href="#">256</a>
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	256 264.6	<a href="#">256</a>
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	256 264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD.	264.6	<a href="#">256</a>
HART CHEMICALS	GUELPH CITY ON N1E 5R1 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH	264.6	<a href="#">256</a>
HART CHEMICALS LTD.	GUELPH CITY ON N1E 5R1 256 VICTORIA RD. SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH	264.6	<a href="#">256</a>
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	256 264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD.	264.6	<a href="#">256</a>
CANADIAN PACIFIC RAILWAYS	GUELPH CITY ON N1E 5R1 256 VICTORIA TRAIN GUELPH CITY ON N1E 5R1	264.6	<a href="#">256</a>
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	256 264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	264.6	<a href="#">256</a>
HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	264.6	<a href="#">256</a>
TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON	264.6	<a href="#">256</a>
City of Guelph	Corner of Wellington and Gordon Guelph ON	301.1	<a href="#">272</a>
City of Guelph	49 Surrey St Guelph ON	370.4	<a href="#">273</a>
	Wellington St. & Gordon St.<UNOFFICIAL> Guelph ON	309.2	<a href="#">275</a>
The Corporation of the City of Guelph	65 Gordon St Guelph ON N1H 4H5	369.5	<a href="#">307</a>
The Corporation of the City of Guelph	65 Gordon Street, Guelph Guelph ON N1H 4H5	369.5	<a href="#">307</a>
McDonald's Restaurants of Canada Limited	65 Gordon St., Guelph ON N1H 4H5	369.5	<a href="#">307</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	65 Gordon St (McDonalds Restaurant) Guelph ON	369.5	<a href="#">307</a>
McDonald's Restaurants of Canada Limited	65 Gordon Street Guelph ON N1H 4H5	369.5	<a href="#">307</a>
STRAUSS FUELS INC.	CORNER OF YORK & WELLS STREET GUELPH GUELPH CITY ON	487.3	<a href="#">313</a>
DURACHEM	587 YORK RD. POOL SUPPLY GUELPH CITY ON N1E 3J3	466.3	<a href="#">314</a>

### **WDSH - Waste Disposal Sites - MOE 1991 Historical Approval Inventory**

A search of the WDSH database, dated Up to Oct 1990\* has found that there are 1 WDSH site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	Boult Ave. GUELPH ON	69.8	<a href="#">15</a>

### **WWIS - Water Well Information System**

A search of the WWIS database, dated 1955-Mar 2014 has found that there are 170 WWIS site(s) within approximately 0.50 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	GUELPH ON	1.2	<a href="#">1</a>
	ON	38.6	<a href="#">2</a>
	ON	39.4	<a href="#">3</a>
	Guelph ON	54.2	<a href="#">5</a>
	ON	63.8	<a href="#">6</a>
	ON	64.7	<a href="#">7</a>
	ON	96.5	<a href="#">9</a>
	ON	126.3	<a href="#">10</a>
	ON	129.2	<a href="#">11</a>
	ON	131.2	<a href="#">12</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	147.7	<a href="#">13</a>
	ON	148.1	<a href="#">14</a>
	ON	174.8	<a href="#">22</a>
	CITY OF GUEL ON	257.2	<a href="#">23</a>
	ON	278.3	<a href="#">26</a>
	Guelph ON	312.9	<a href="#">29</a>
	ON	345.0	<a href="#">31</a>
	Guelph ON	308.4	<a href="#">33</a>
	Guelph ON	318.0	<a href="#">34</a>
	Guelph ON	300.5	<a href="#">35</a>
	ON	313.7	<a href="#">36</a>
	Guelph ON	322.9	<a href="#">37</a>
	Guelph ON	305.6	<a href="#">38</a>
	Guelph ON	333.3	<a href="#">39</a>
	Guelph ON	304.7	<a href="#">40</a>
	ON	309.5	<a href="#">41</a>
	Guelph ON	339.1	<a href="#">42</a>
	Guelph ON	302.8	<a href="#">43</a>
	Guelph ON	284.4	<a href="#">44</a>
	Guelph ON	285.6	<a href="#">45</a>
	Guelph ON	302.7	<a href="#">46</a>
	Guelph ON	339.8	<a href="#">47</a>
	Guelph ON	341.5	<a href="#">48</a>
	Guelph ON	335.5	<a href="#">49</a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
		337.8	<a href="#">50</a>
	Guelph ON		
		307.1	<a href="#">51</a>
	Guelph ON		
	ON	84.3	<a href="#">52</a>
		301.5	<a href="#">53</a>
	Guelph ON		
		301.7	<a href="#">54</a>
	Guelph ON		
		329.6	<a href="#">55</a>
	GUEPLH ON		
		306.6	<a href="#">56</a>
	Guelph ON		
		343.1	<a href="#">57</a>
	GUELPH ON		
		252.9	<a href="#">58</a>
	Guelph ON		
		317.9	<a href="#">59</a>
	GUELPH ON		
		317.9	<a href="#">59</a>
	KING CITY ON		
		302.2	<a href="#">60</a>
	Guelph ON		
		342.8	<a href="#">61</a>
	GUELPH ON		
	lot 3	342.8	<a href="#">61</a>
	GUELPH ON		
		345.8	<a href="#">62</a>
	GUELPH ON		
		322.1	<a href="#">63</a>
	Guelph ON		
		346.4	<a href="#">64</a>
	Guelph ON		
		344.9	<a href="#">67</a>
	GUELPH ON		
		441.3	<a href="#">72</a>
	ON		
		415.2	<a href="#">73</a>
	ON		
		389.6	<a href="#">74</a>
	GUELPH ON		
		372.5	<a href="#">75</a>
	GUEPLH ON		
		451.3	<a href="#">77</a>
	ON		
		285.2	<a href="#">78</a>
	Guelph ON		



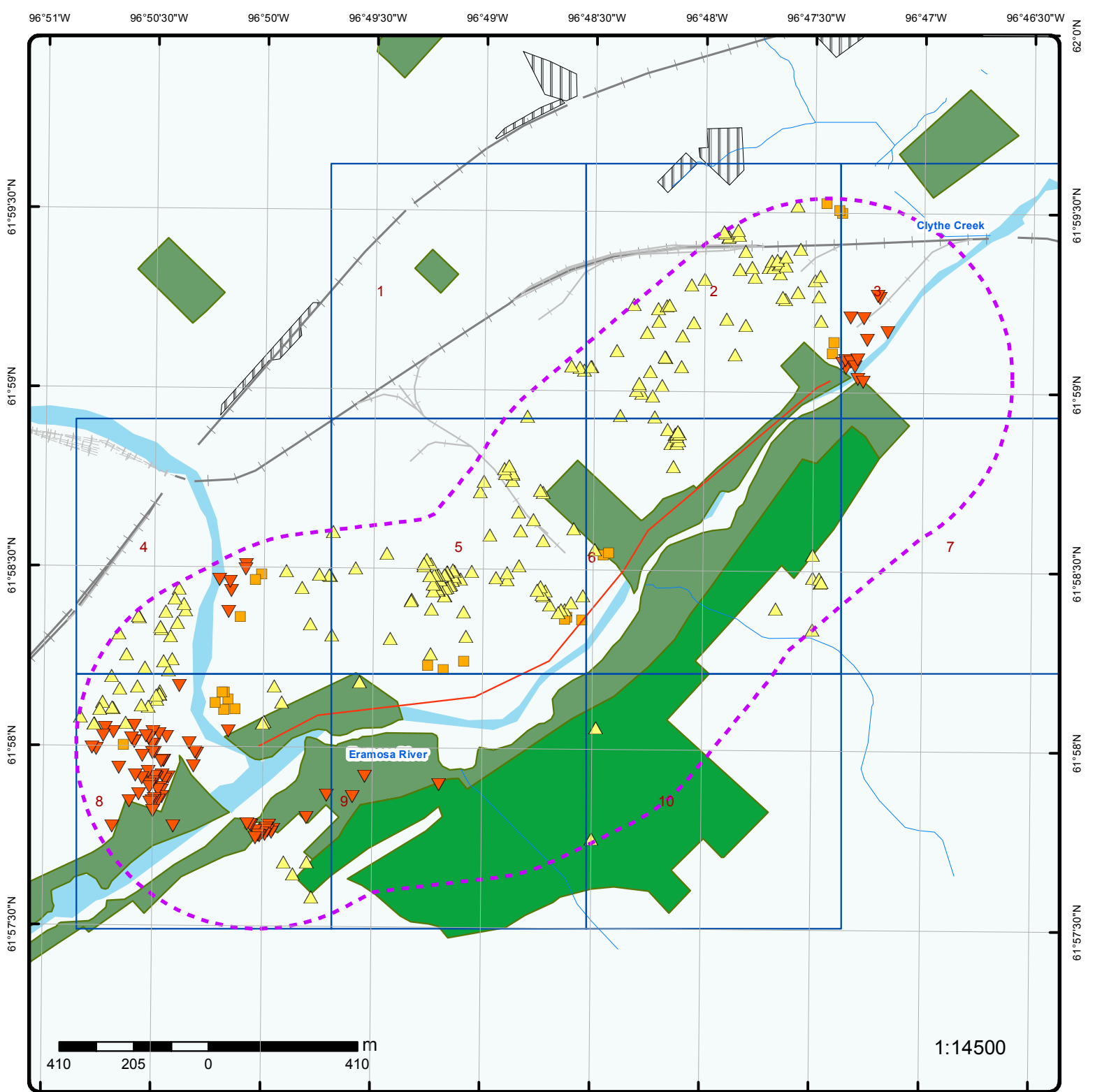
<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	424.5	<a href="#"><u>79</u></a>
	Guelph ON	281.3	<a href="#"><u>80</u></a>
	ON	417.1	<a href="#"><u>81</u></a>
	lot 5 ON	88.7	<a href="#"><u>82</u></a>
	ON	390.8	<a href="#"><u>84</u></a>
	Guelph ON	131.3	<a href="#"><u>86</u></a>
	ON	135.3	<a href="#"><u>87</u></a>
	GUELPH ON	134.2	<a href="#"><u>88</u></a>
	GUELPH ON	147.3	<a href="#"><u>90</u></a>
	GUELPH ON	152.9	<a href="#"><u>91</u></a>
	GUELPH ON	149.7	<a href="#"><u>93</u></a>
	GUELPH ON	175.8	<a href="#"><u>94</u></a>
	GUELPH ON	151.9	<a href="#"><u>95</u></a>
	GUELPH ON	151.9	<a href="#"><u>95</u></a>
	ON	147.3	<a href="#"><u>96</u></a>
	GUELPH ON	155.3	<a href="#"><u>98</u></a>
	GUELPH ON	225.8	<a href="#"><u>99</u></a>
	ON	229.0	<a href="#"><u>100</u></a>
	lot 15 con 2 ROCKWOOD ON	488.9	<a href="#"><u>101</u></a>
	GEULPH ON	79.4	<a href="#"><u>102</u></a>
	ON	499.0	<a href="#"><u>103</u></a>
	ON	392.2	<a href="#"><u>105</u></a>
	GUELPH ON	314.5	<a href="#"><u>108</u></a>
	Guelph ON	343.5	<a href="#"><u>109</u></a>

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	ON	415.1	<a href="#">110</a>
	ON	404.6	<a href="#">111</a>
	ON	415.5	<a href="#">112</a>
	ON	449.0	<a href="#">117</a>
	ON	233.1	<a href="#">134</a>
	ON	204.8	<a href="#">139</a>
	Guelph ON	50.5	<a href="#">151</a>
	ON	233.6	<a href="#">153</a>
	ON	456.8	<a href="#">155</a>
	Guelph ON	447.9	<a href="#">156</a>
	Guelph ON	436.3	<a href="#">160</a>
	Guelph ON	153.6	<a href="#">163</a>
	Guelph ON	176.4	<a href="#">165</a>
	Guelph ON	180.0	<a href="#">169</a>
	GUELPH ON	74.5	<a href="#">170</a>
	GUELPH ON	230.8	<a href="#">177</a>
	GUELPH ON	217.3	<a href="#">178</a>
	GELPH ON	78.4	<a href="#">180</a>
	GUELPH ON	238.1	<a href="#">182</a>
	GUELPH ON	103.7	<a href="#">183</a>
	ON	103.7	<a href="#">183</a>
	GUELPH ON	224.6	<a href="#">184</a>
	ON	94.3	<a href="#">187</a>
	GUELPH ON	242.0	<a href="#">190</a>

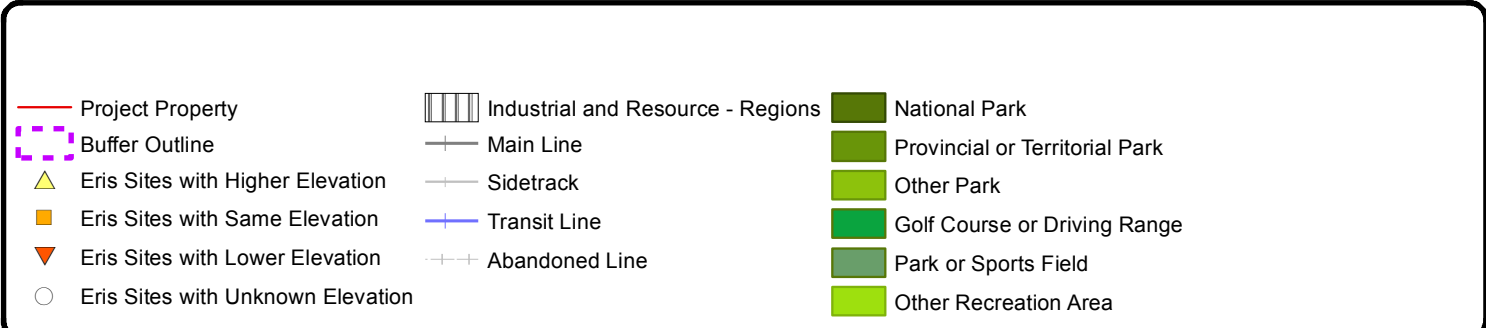
<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
		237.7	<a href="#">192</a>
	GUELPH ON		
		164.3	<a href="#">193</a>
	GUELPH ON		
		245.4	<a href="#">198</a>
	GUELPH ON		
		230.6	<a href="#">199</a>
	GUELPH ON		
		243.4	<a href="#">200</a>
	GUELPH ON		
		217.4	<a href="#">201</a>
	GUELPH ON		
		217.4	<a href="#">201</a>
	GUELPH ON		
		215.7	<a href="#">202</a>
	GUELPH ON		
		213.6	<a href="#">203</a>
	GUELPH ON		
	lot 1 con 3 Guelph ON	374.3	<a href="#">205</a>
		425.8	<a href="#">207</a>
	GUELPH ON		
		442.2	<a href="#">208</a>
	GUELPH ON		
		323.9	<a href="#">210</a>
	GUELPH ON		
	ON	149.3	<a href="#">211</a>
		233.3	<a href="#">212</a>
	GUELPH ON		
		348.4	<a href="#">213</a>
	GUELPH ON		
	lot 1 con 3 Guelph ON	422.4	<a href="#">216</a>
		181.1	<a href="#">217</a>
	ON		
		364.0	<a href="#">219</a>
	GUELPH ON		
		337.5	<a href="#">225</a>
	Guelph ON		
		359.2	<a href="#">226</a>
	GUELPH ON		
		478.5	<a href="#">228</a>
	GUELPH ON		
		480.0	<a href="#">231</a>
	GUELPH ON		
		469.7	<a href="#">239</a>
	Guelph ON		

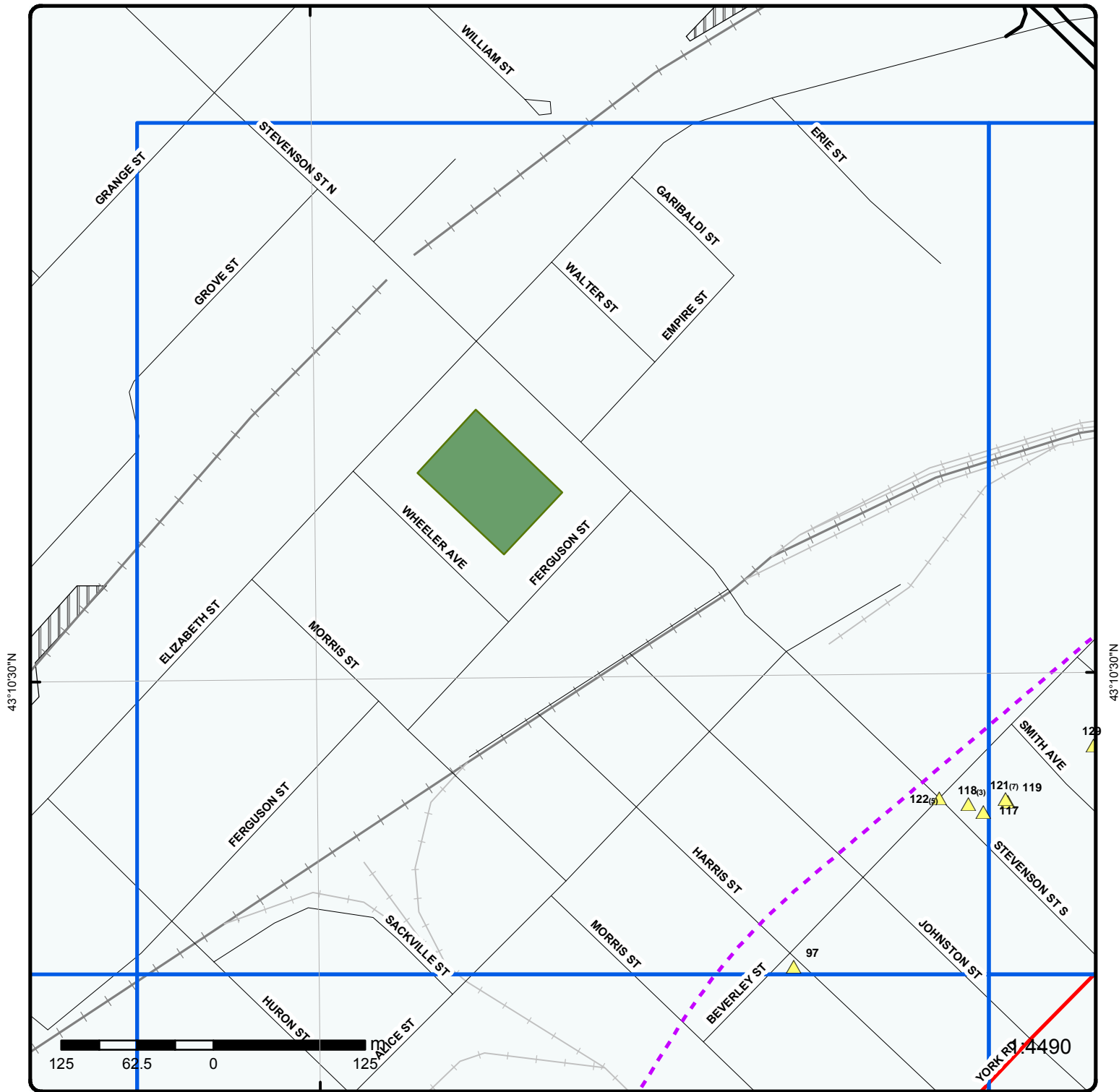
<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
		360.0	<a href="#">240</a>
	Guelph ON		
		481.7	<a href="#">244</a>
	Guelph ON		
	ON	205.8	<a href="#">246</a>
		370.3	<a href="#">252</a>
	GUELPH ON		
		313.8	<a href="#">253</a>
	Guelph ON		
		261.3	<a href="#">257</a>
	Guelph ON		
		263.2	<a href="#">259</a>
	Guelph ON		
		321.2	<a href="#">260</a>
	GUELPH ON		
		261.3	<a href="#">261</a>
	Guelph ON		
		269.3	<a href="#">265</a>
	Guelph ON		
		287.6	<a href="#">266</a>
	ON		
		271.7	<a href="#">267</a>
	Guelph ON		
		274.7	<a href="#">268</a>
	Guelph ON		
		291.6	<a href="#">270</a>
	ON		
		290.5	<a href="#">276</a>
	ON		
		292.5	<a href="#">278</a>
	Guelph ON		
		294.5	<a href="#">279</a>
	Guelph ON		
		294.5	<a href="#">279</a>
	Guelph ON		
		296.2	<a href="#">280</a>
	Guelph ON		
		299.0	<a href="#">281</a>
	Guelph ON		
		299.0	<a href="#">281</a>
	Guelph ON		
		299.9	<a href="#">282</a>
	Guelph ON		
		320.5	<a href="#">284</a>
	ON		
		306.7	<a href="#">285</a>
	Guelph ON		

<u>Site</u>	<u>Address</u>	<u>Distance m</u>	<u>Map Key</u>
	Guelph ON	310.2	<a href="#"><u>286</u></a>
	Guelph ON	319.5	<a href="#"><u>288</u></a>
	Guelph ON	311.2	<a href="#"><u>289</u></a>
	Guelph ON	315.6	<a href="#"><u>290</u></a>
	Guelph ON	318.0	<a href="#"><u>292</u></a>
	Guelph ON	319.6	<a href="#"><u>293</u></a>
	Guelph ON	321.8	<a href="#"><u>296</u></a>
	GUELPH ON	348.3	<a href="#"><u>297</u></a>
	Guelph ON	326.7	<a href="#"><u>298</u></a>
	Guelph ON	331.0	<a href="#"><u>300</u></a>
	GUELPH ON	334.3	<a href="#"><u>302</u></a>
	ON	339.1	<a href="#"><u>304</u></a>
	Guelph ON	345.6	<a href="#"><u>305</u></a>
	Guelph ON	352.7	<a href="#"><u>308</u></a>
	Guelph ON	384.7	<a href="#"><u>317</u></a>
	Guelph ON	458.0	<a href="#"><u>326</u></a>



**Map** Order No: 20150514049  
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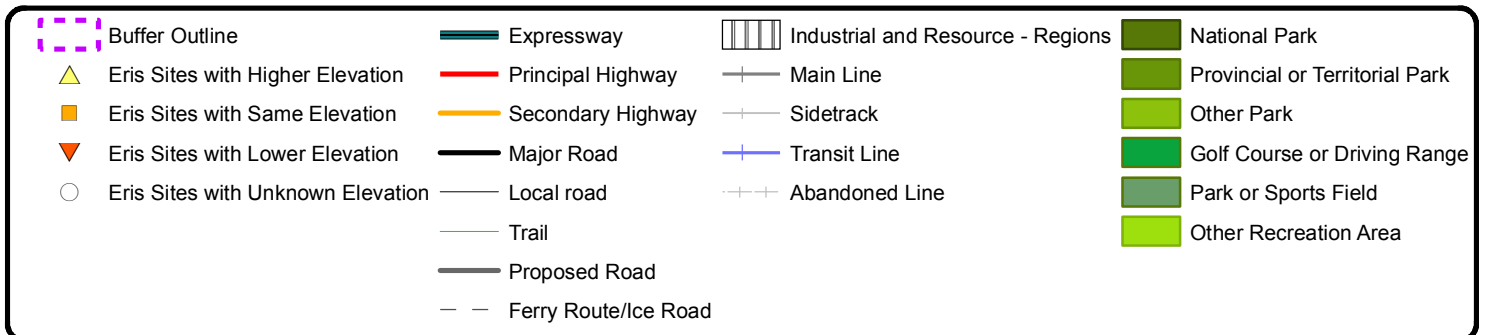


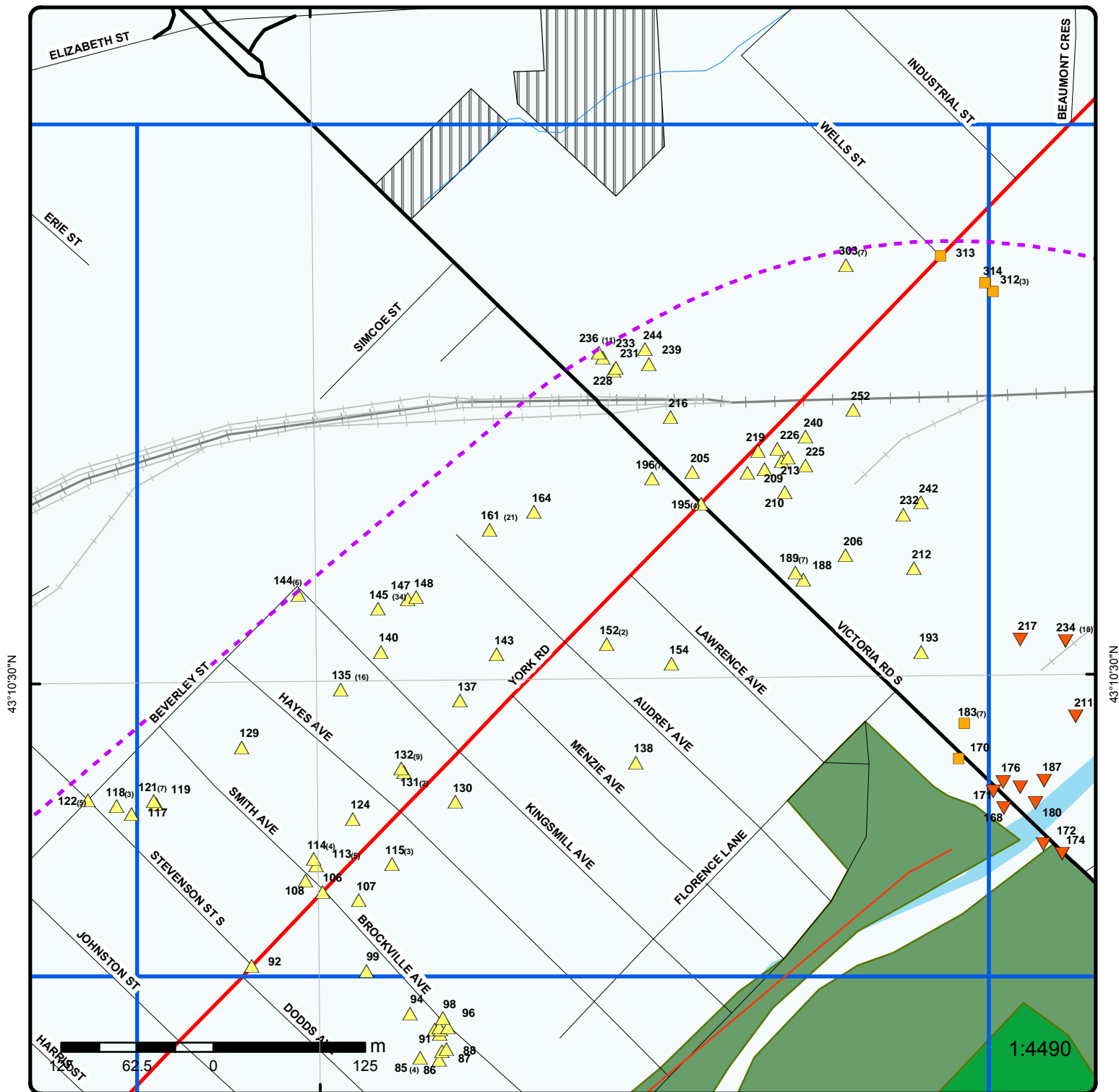


### Grid 1

Order No: 20150514049

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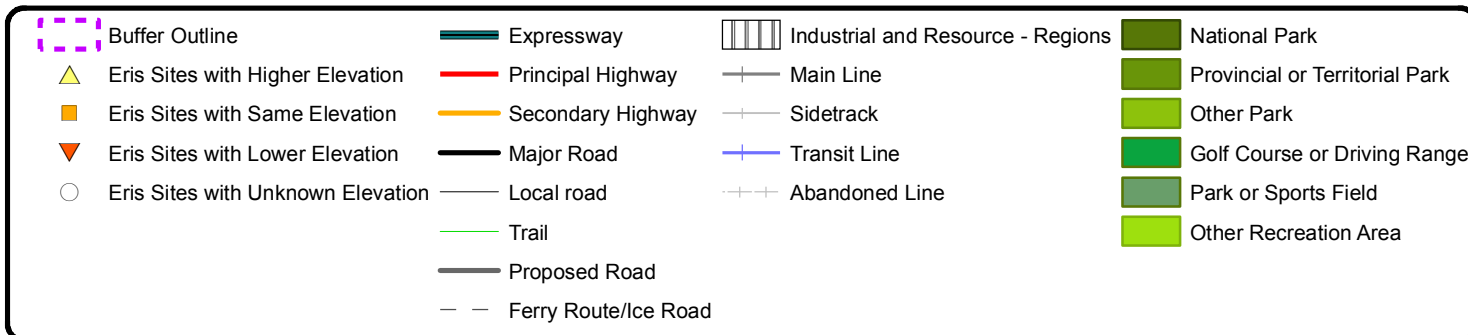




### Grid 2

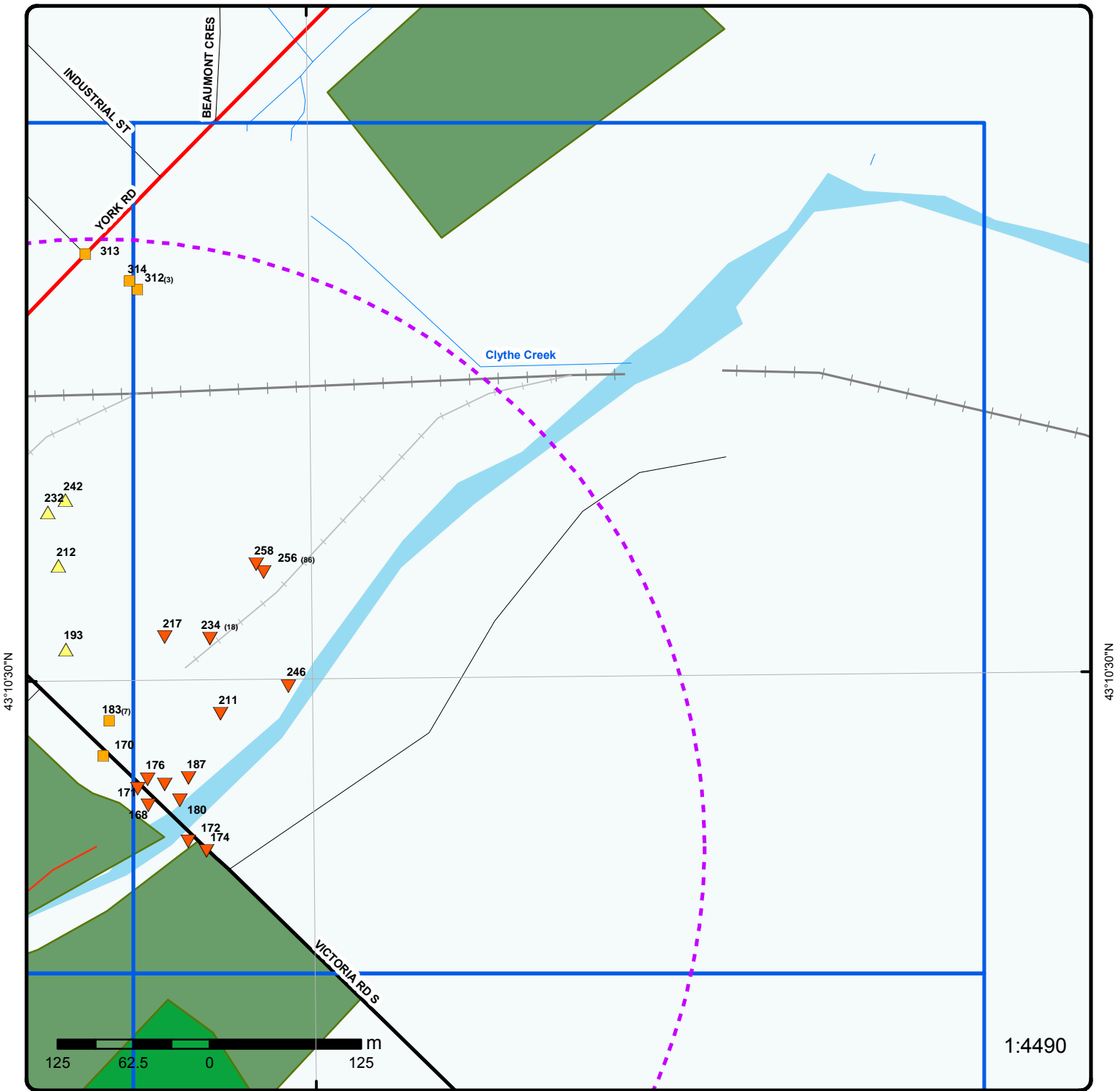
Order No: 20150514049

Address: York Rd, Guelph, ON





80°14'W



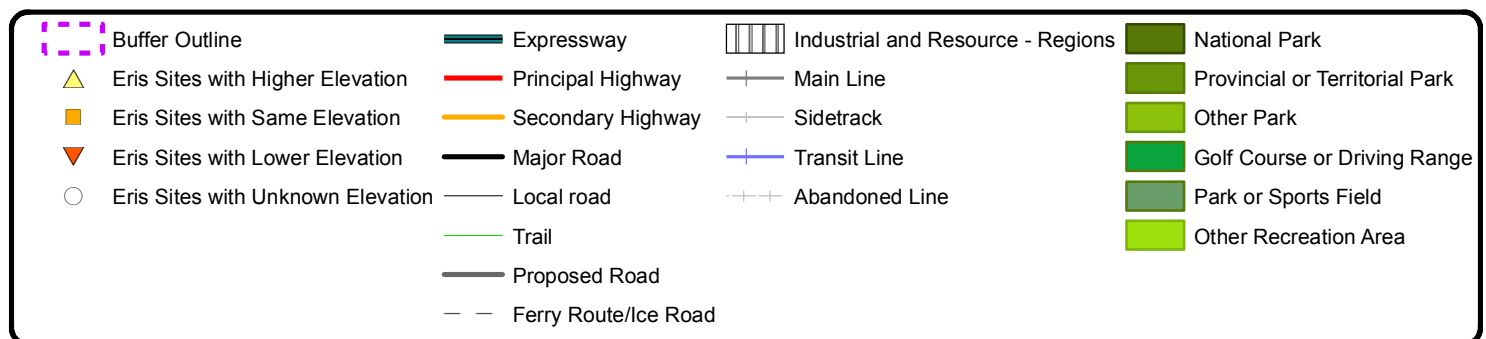
43°10'30"N

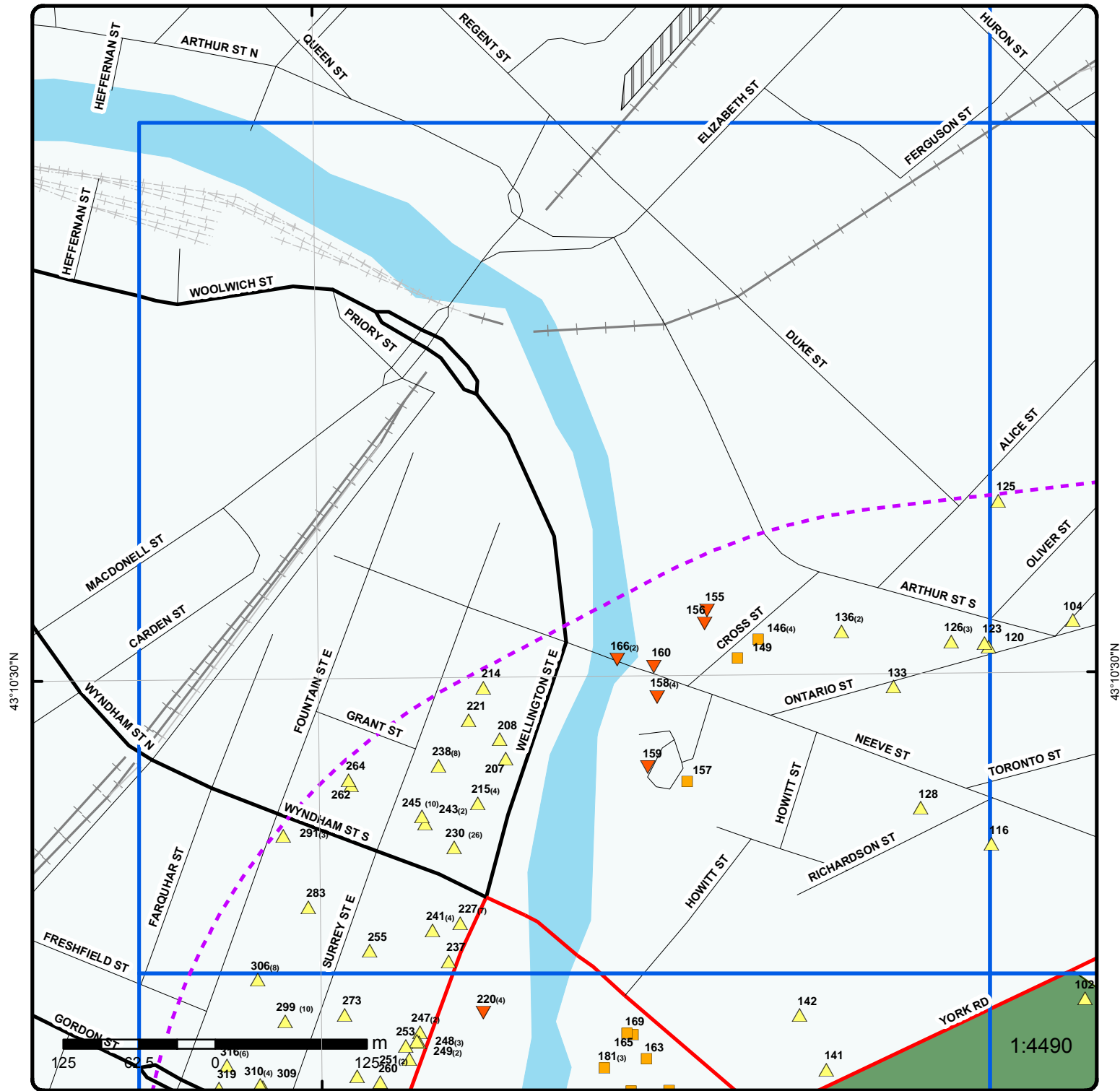
43°10'30"N

### Grid 3

Order No: 20150514049

Address: York Rd, Guelph, ON



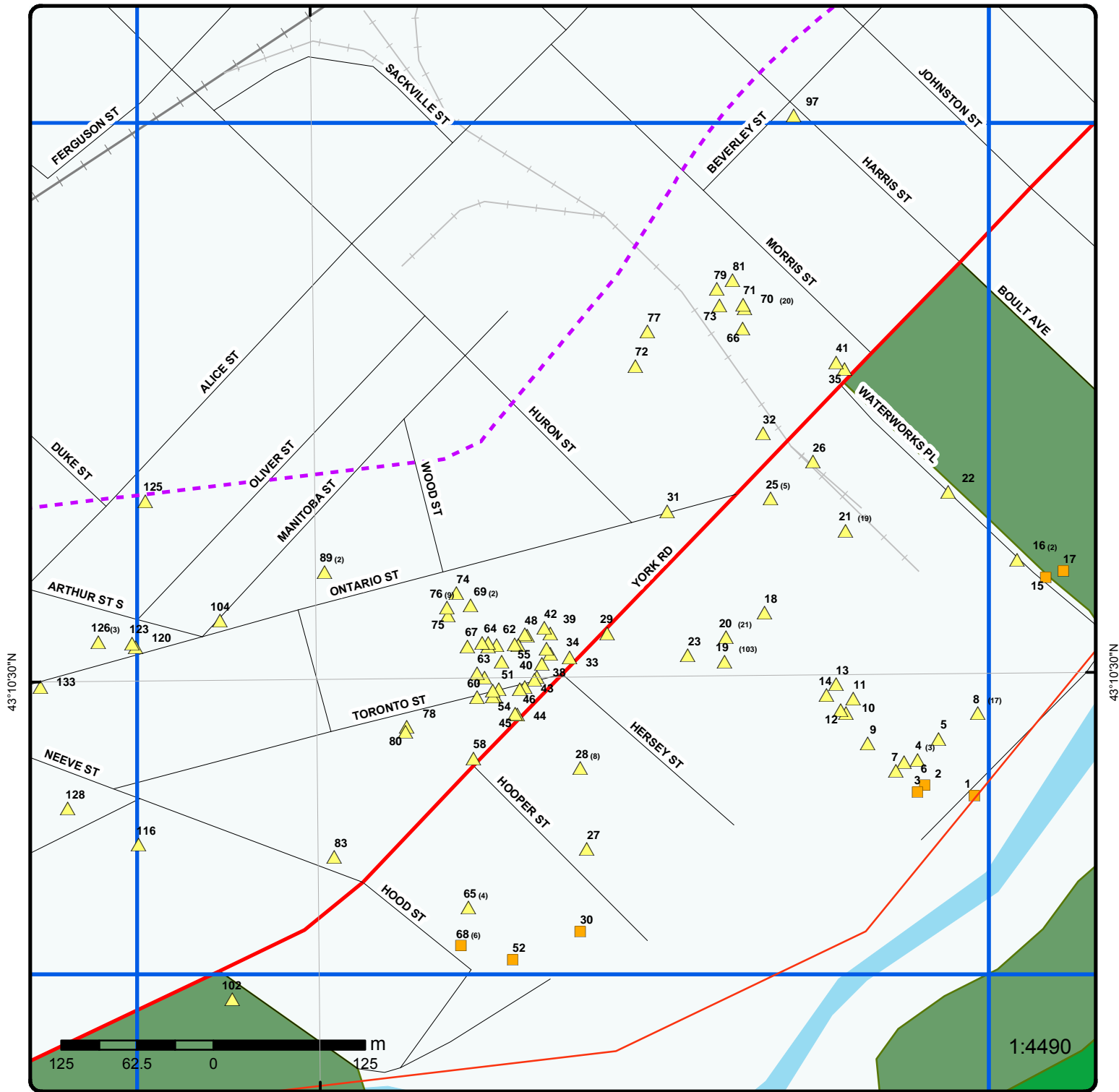


### Grid 4

Order No: 20150514049

Address: York Rd, Guelph, ON

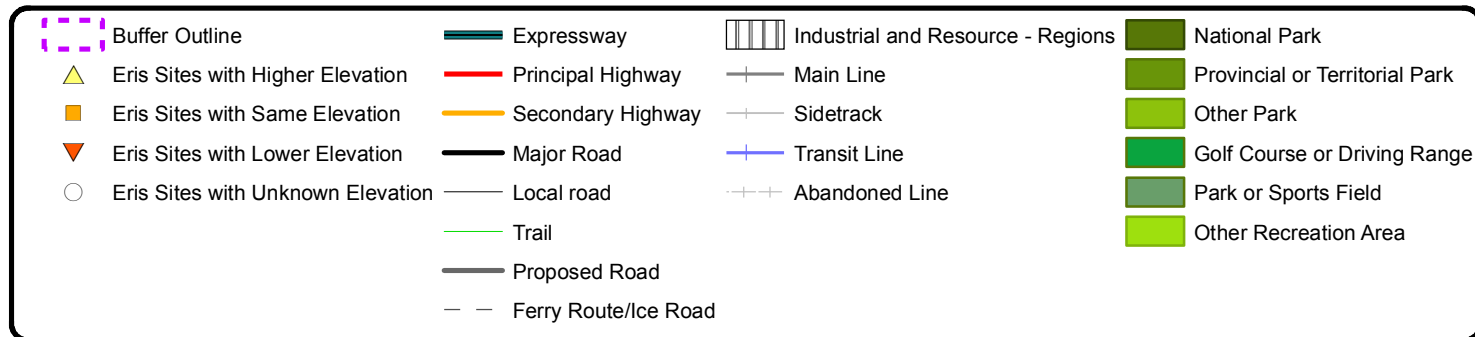
	Buffer Outline		Expressway		Industrial and Resource - Regions		National Park
	Eris Sites with Higher Elevation		Principal Highway		Main Line		Provincial or Territorial Park
	Eris Sites with Same Elevation		Secondary Highway		Sidetrack		Other Park
	Eris Sites with Lower Elevation		Major Road		Transit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

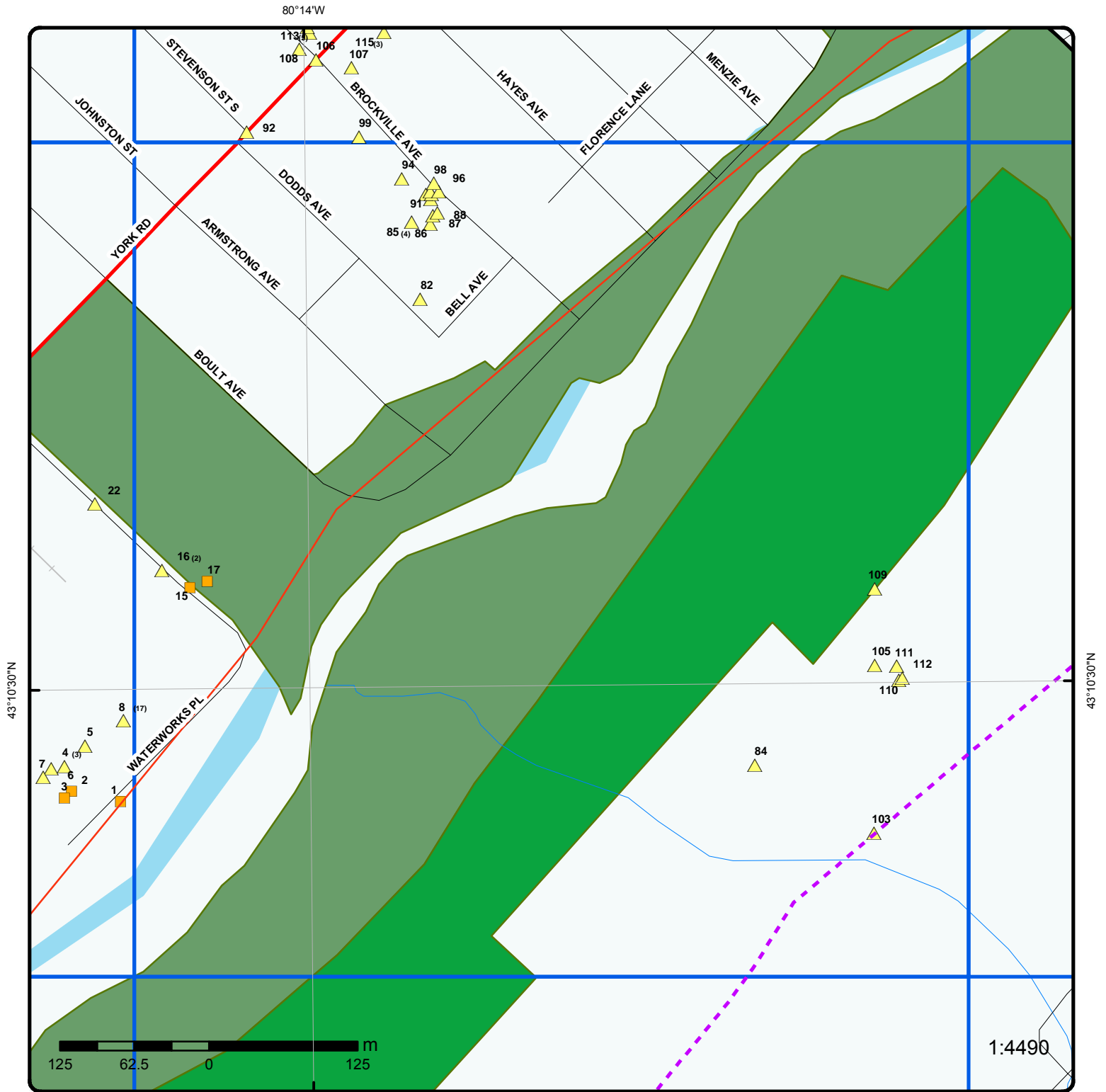


### Grid 5

Order No: 20150514049

Address: York Rd, Guelph, ON

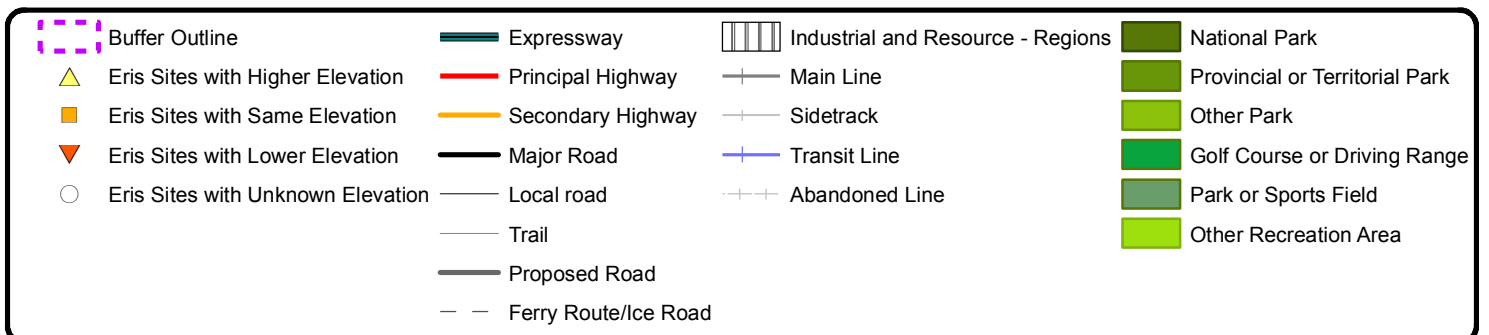




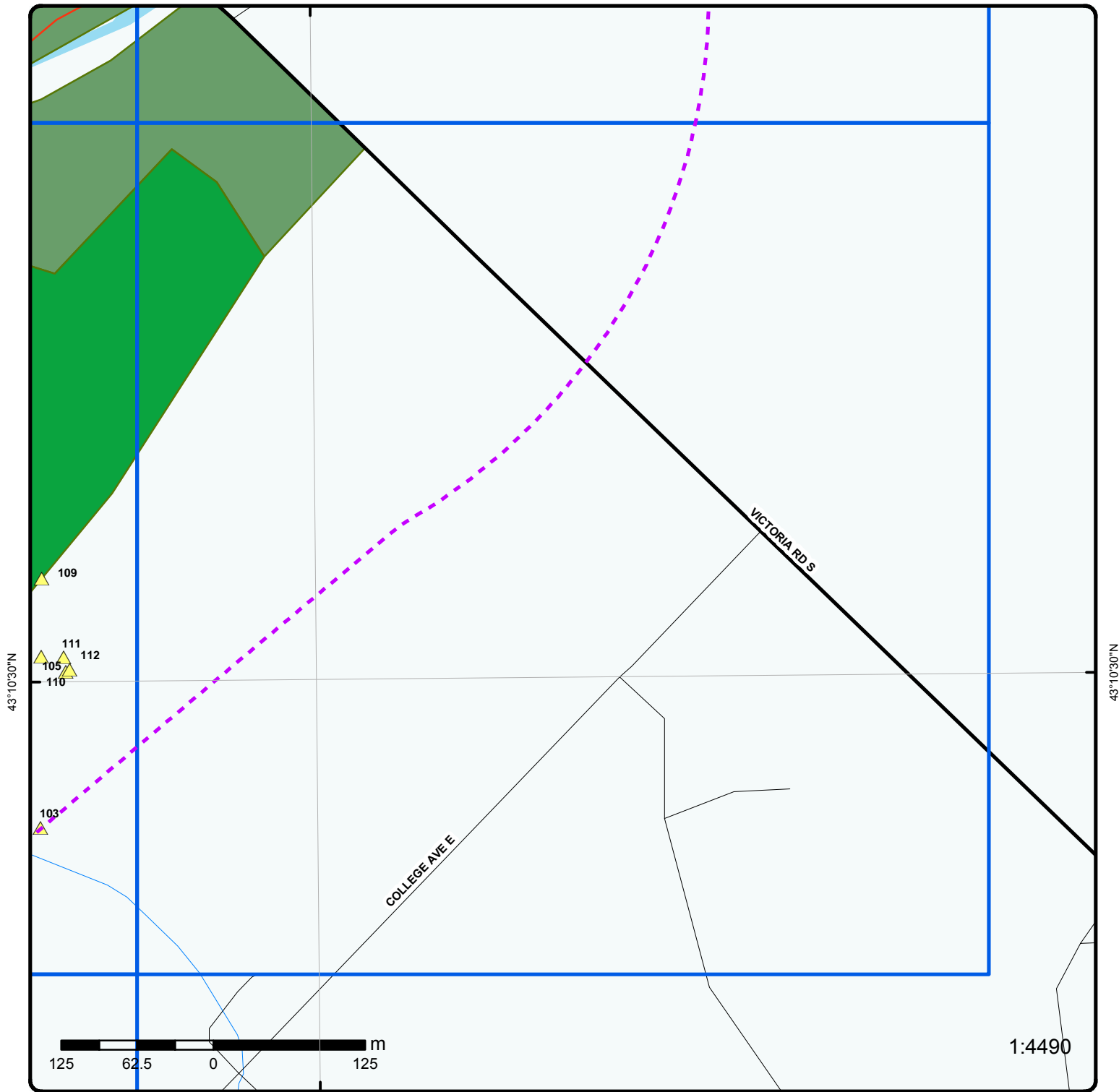
## Grid 6

Order No: 20150514049

Address: York Rd, Guelph, ON



80°14'W



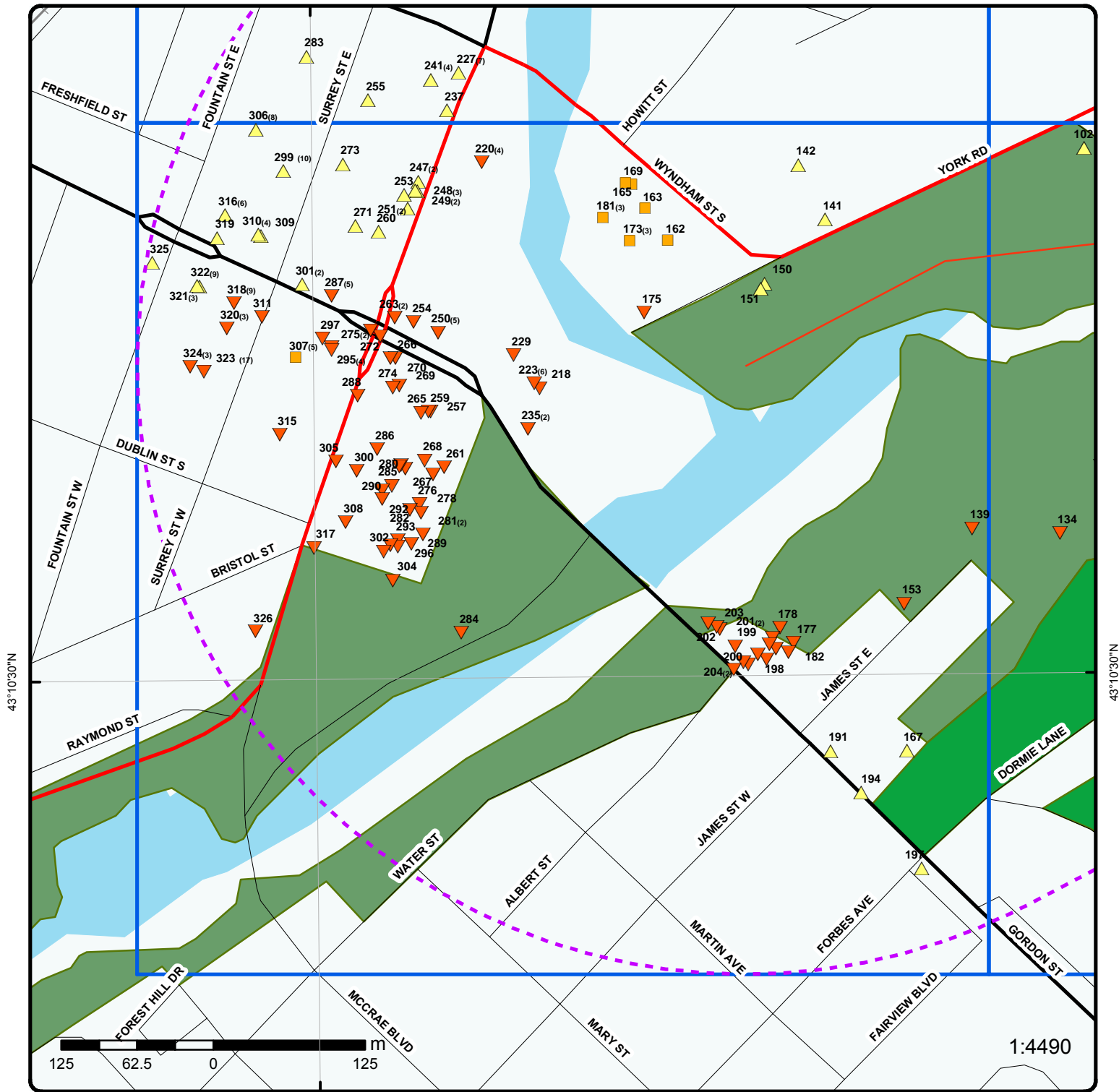
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### Grid 7

Order No: 20150514049

Address: York Rd, Guelph, ON

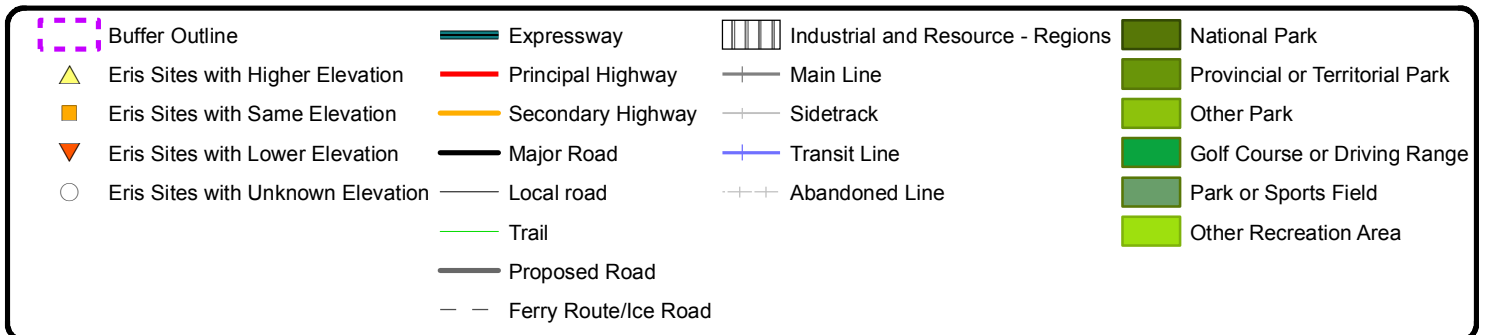
Buffer Outline	Expressway	Industrial and Resource - Regions	National Park
Eris Sites with Higher Elevation	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Same Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Lower Elevation	Major Road	Transit Line	Golf Course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

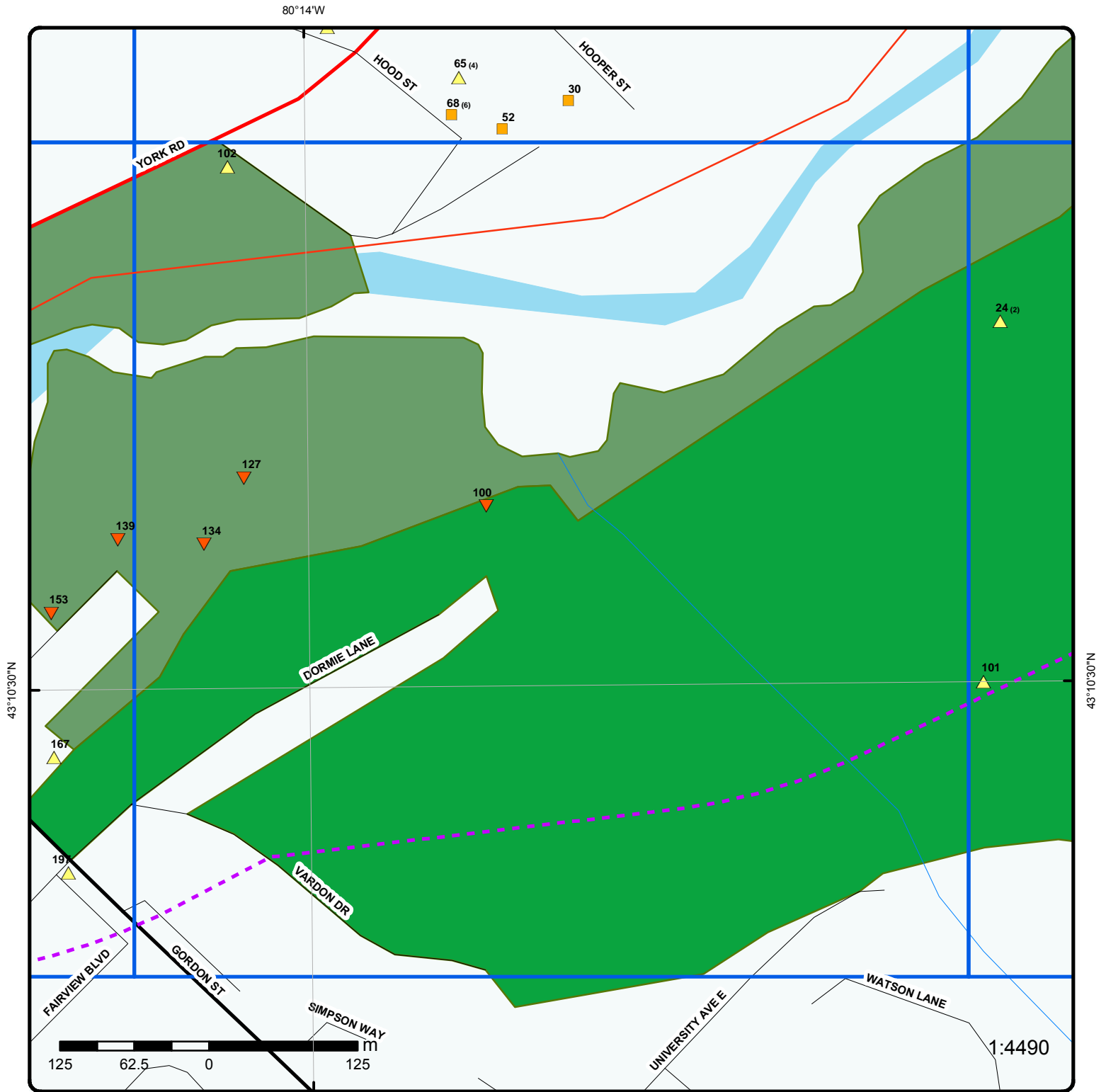


### Grid 8

Order No: 20150514049

Address: York Rd, Guelph, ON

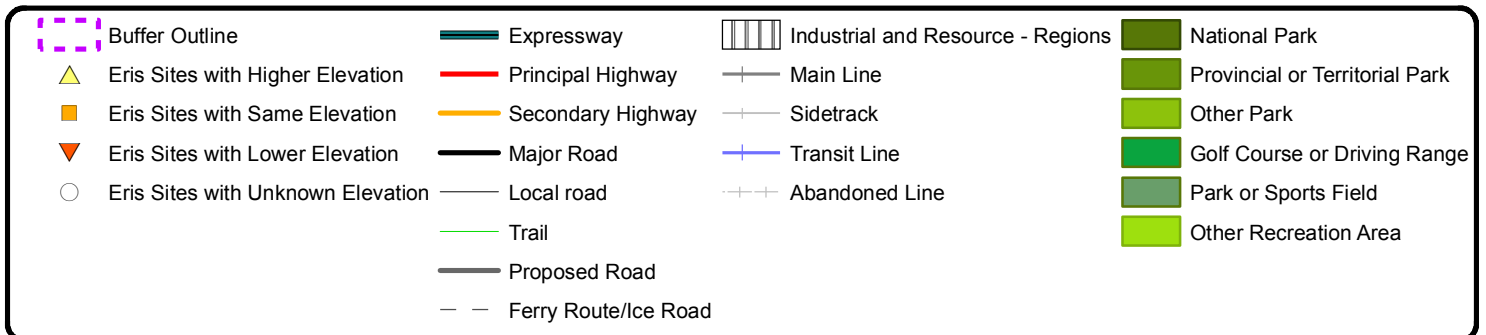


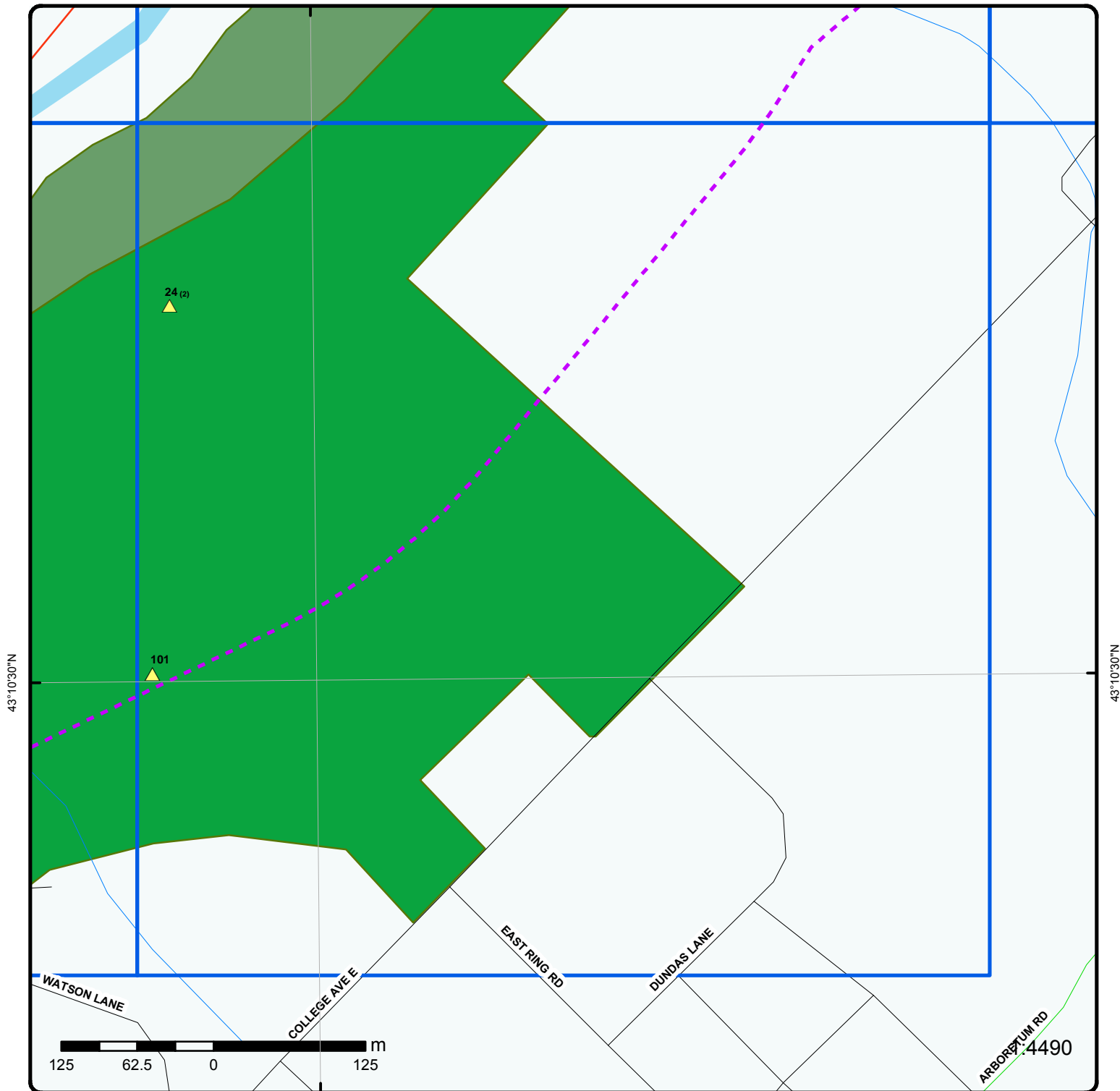


**Grid 9**

Order No: 20150514049

Address: York Rd, Guelph, ON

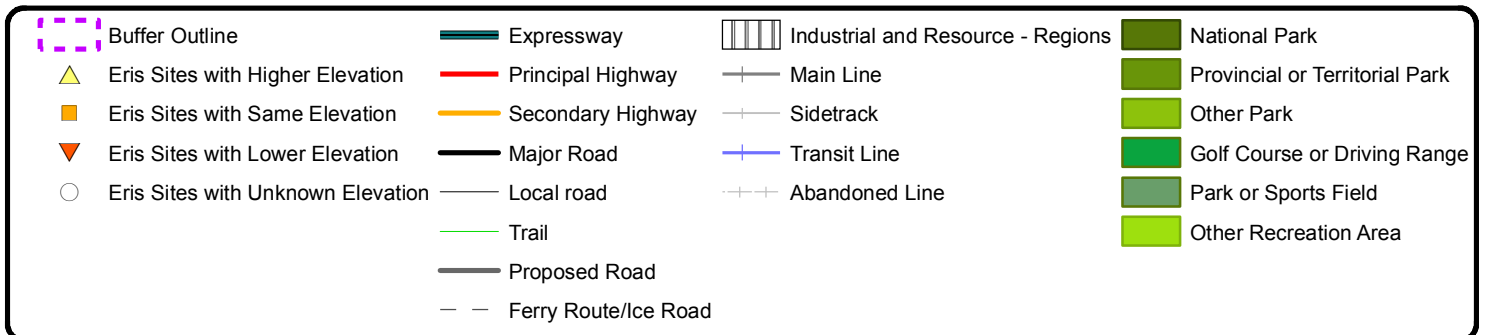




### Grid 10

Order No: 20150514049

Address: York Rd, Guelph, ON







# Aerial

Order No: 20150514049

Address: York Rd, Guelph, ON



# Detail Report

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p><u>1</u></p> <p>Well ID: 6715404            Concession:            County: WELLINGTON            Easting Nad83: 562215            Zone: 17            Primary Water Use: Not Used            Sec. Water Use:            Pump Rate:            Flow Rate:            Specific Capacity:            Construction Method: Boring            Elevation (m): 311.22            Depth to Bedrock:            Water Type:</p> <p>--- Details ---</p> <p>Thickness: BROWN            Material Colour: SAND, STONES            +            Thickness: GREEN            Material Colour: TOPSOIL            +            Thickness: BROWN            Material Colour: SAND, , WATER-BEARING</p>	<p>1 of 1</p>	<p>NNE/1.2</p>	<p>311.0</p>	<p><b>GUELPH ON</b></p> <p>Lot:            Concession Name:            Municipality: GUELPH CITY            Northing Nad83: 4821461            Utm Reliability:            Construction Date: 30-MAY-05            Well Depth: 4.5 m            Static Water Level:            Clear/Cloudy:            Final Well Status: Observation Wells            Flowing (y/n):            Elevation Reliability:            Overburden/Bedrock: Overburden            Casing Material: Not stated</p> <p>Original Depth: 2.7 m            Material: 2.55 m            Original Depth: .15 m            Material: .15 m            Original Depth: 4.5 m            Material: 1.8 m</p>	<p>WWIS</p>
<p><u>2</u></p> <p>Well ID: 7199219            Concession:            County: WELLINGTON            Easting Nad83: 562174            Zone: 17            Primary Water Use:            Sec. Water Use:            Pump Rate:            Flow Rate:            Specific Capacity:            Construction Method:            Elevation (m):            Depth to Bedrock:            Water Type:</p>	<p>1 of 1</p>	<p>WNW/38.6</p>	<p>311.0</p>	<p><b>ON</b></p> <p>Lot:            Concession Name:            Municipality: GUELPH CITY            Northing Nad83: 4821470            Utm Reliability: margin of error : 30 m - 100 m            Construction Date: 05-MAR-13            Well Depth:            Static Water Level:            Clear/Cloudy:            Final Well Status:            Flowing (y/n):            Elevation Reliability:            Overburden/Bedrock:            Casing Material:</p>	<p>WWIS</p>
<p><u>3</u></p>	<p>1 of 1</p>	<p>W/39.4</p>	<p>311.0</p>	<p><b>ON</b></p>	<p>WWIS</p>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7199220			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562168			Northing Nad83:	4821464
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	05-MAR-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
<b><u>4</u></b>	<b>1 of 3</b>	<b>NW/56.4</b>	<b>311.9</b>	<b>CITY OF GUELPH 29 WATERWORKS PL GUELPH ON N1E 6P7</b>	<b>FST</b>
Instance Number:	10771382				
Cont Name:					
Instance Type:	FS Liquid Fuel Tank				
Fuel Type:	Gasoline				
Status:	Active				
Capacity:	9092				
Tank Material:	Fiberglass (FRP)				
Corrosion Protection:	Fiberglass				
Tank Type:	Single Wall UST				
Install Year:	1978				
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve				
Facility Type:	FS Liquid Fuel Tank				
<b><u>4</u></b>	<b>2 of 3</b>	<b>NW/56.4</b>	<b>311.9</b>	<b>CITY OF GUELPH 29 WATERWORKS PL GUELPH ON N1E 6P7</b>	<b>FST</b>
Instance Number:	10771357				
Cont Name:					
Instance Type:	FS Liquid Fuel Tank				
Fuel Type:	Diesel				
Status:	Active				
Capacity:	9092				
Tank Material:	Fiberglass (FRP)				
Corrosion Protection:	Fiberglass				
Tank Type:	Single Wall UST				
Install Year:	1978				
Parent Facility Type:	Fuels Safety Private Fuel Outlet - Self Serve				
Facility Type:	FS Liquid Fuel Tank				
<b><u>4</u></b>	<b>3 of 3</b>	<b>NW/56.4</b>	<b>311.9</b>	<b>GUELPH, CORPORATION OF THE CITY OF WOODS STATION 29 WATERWORKS PLACE GUELPH ON</b>	<b>GEN</b>
Generator #:	ON0349013				
Approval Yrs:	2013				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		221310, 237110			
SIC Description:		WATER SUPPLY AND IRRIGATION SYSTEMS, WATER AND SEWER LINE AND RELATED STRUCTURES CONSTRUCTION			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			

<u>5</u>	1 of 1	NNW/54.2	312.0	Guelph ON	WWIS
Well ID:		7138880		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562185		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Monitoring		4821517	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				15-JAN-10	
Construction Method:		Boring		Well Depth:	
Elevation (m):		312.68		6 m	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
				Final Well Status:	
				Flowing (y/n):	
				Elevation Reliability:	
				Overburden/Bedrock:	
				Casing Material:	
				Not stated	
--- Details ---					
Thickness:		BROWN		Original Depth:	
Material Colour:		GRAVEL, SAND, DENSE		3.6 m	
+					
Thickness:		BROWN		Original Depth:	
Material Colour:		GRAVEL, SILT, DENSE		3.6 m	
+					
Thickness:		BROWN		Original Depth:	
Material Colour:		SILT, SAND, DENSE		.9 m	
+					
Thickness:		BROWN		Original Depth:	
Material Colour:		SILT, SAND, DENSE		6 m	
				Material:	
				1.5 m	

<u>6</u>	1 of 1	WNW/63.8	311.8	ON	WWIS
Well ID:		7199222		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562157		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:				4821489	
Sec. Water Use:				Utm Reliability:	
				margin of error : 30 m - 100 m	
				Construction Date:	
				05-MAR-13	
				Well Depth:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:				Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
<a href="#">7</a>	1 of 1	WNW/64.7	311.4	<b>ON</b>	WWIS
Well ID: 7199221 Concession: County: WELLINGTON Easting Nad83: 562150 Zone: 17 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:		Lot: Concession Name: Municipality: GUELPH TOWNSHIP Northing Nad83: 4821482 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 05-MAR-13 Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:			
<a href="#">8</a>	1 of 17	N/42.6	312.0	<b>F.M. Woods Pumping Station 29 Waterworks Place Guelph ON N1E 6P7</b>	CA
Certificate #: 7263-58LQVW Application Year: 02 Issue Date: 4/9/02 Approval Type: Municipal & Private water Status: Approved Application Type: Amended CofA Client Name: The Corporation of the City of Guelph Client Address: 59 Carden Street Client City: Guelph Client Postal Code: N1H 3A1 Project Description: This amendment to the existing consolidated certificate of approval is to change the date for ground water under direct influence (GUDI).  Contaminants: Emission Control:					
<a href="#">8</a>	2 of 17	N/42.6	312.0	<b>F.M. Woods Pumping Station 29 Waterworks Place Guelph ON N1E 6P7</b>	CA
Certificate #: 1594-57DHUH Application Year: 02 Issue Date: 5/10/02 Approval Type: Municipal & Private water Status: Revoked and/or Replaced Application Type: Amended CofA Client Name: The Corporation of the City of Guelph Client Address: 59 Carden Street					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Client City: Guelph Client Postal Code: N1H 3A1 Project Description: Minor Amendment to CofA No. 8778-56WJG9 - not proponent driven. Contaminants: Emission Control:					
<a href="#">8</a>	3 of 17	N/42.6	312.0	<b>F.M. Woods Pumping Station 29 Waterworks Place Guelph ON N1E 6P7</b>	CA
Certificate #: 4581-543JH6 Application Year: 02 Issue Date: 1/31/02 Approval Type: Municipal & Private water Status: Revoked and/or Replaced Application Type: New Certificate of Approval Client Name: Corporation of the City of Guelph Client Address: 59 Carden Street Client City: Guelph Client Postal Code: N1H 3A1 Project Description: A water supply system serving the City of Guelph, consisting of the following: -Arkell Well Field ? a groundwater supply system comprised of four drilled groundwater production wells rated for a total of 265 L/s -Carter Well Field ? a groundwater supply system comprised of two drilled groundwater production wells rated for 91 L/s -Arkell Artificial Recharge System consisting of one (1) vertical turbine pump rated at 107.17 L/s, 300 mm discharge line to infiltration basin and trenches -Arkell Springs Collector System consisting of a series of small diameter collector pipes capturing shallow groundwater and discharging to an aqueduct to the F. M. Woods Pumping Station. -F. M. Woods Pumping Station and Reservoir, equipped with five pumps for a firm capacity of 1,061 L/s, housing treatment, storage and control facilities and two underground reservoirs approximately with a total storage volume of 23,000 m3, -Burke Well with an installed capacity of 75.7 L/, 303 m3 underground reservoir and sodium hypochlorite disinfection system -Calico Well rated for 60.6 L/s, 147 m3 underground reservoir and sodium hypochlorite disinfection system -Clythe Creek Well rated for 60.7 L/s, 672 m3 underground reservoir, booster pumping station with two pumps for a firm capacity of 63 L/s and sodium hypochlorite disinfection system, a 150 kW diesel engine stand-by power generator set - Dean Well with an installed capacity of 26.7 L/s, 109 m3 underground reservoir and a sodium hypochlorite disinfection system -Downey Road Well rated for 60.6 L/s, 42.6 m3 underground reservoir and a sodium hypochlorite disinfection system, -Emma Street Well with an installed capacity of 34.8 L/s (currently off-line) -Helmar Well rated for 37.9 L/s, 124.5 m3 underground reservoir, a sodium hypochlorite disinfection system and a sodium silicate system for iron sequestration -Membro Well rated for 70 L/s, 78.73 m3 underground reservoir and a sodium hypochlorite disinfection system - Paisley Well with an installed capacity of 32.7 L/s, 13,608 m3 underground reservoir and booster pumping station with 8 pumps for a firm capacity of 159 L/s , a sodium hypochlorite disinfection system, a 379 kW diesel engine stand-by power generator set -Park Road Well No. 1 and Park Road Well No. 2, each with an installed capacity of 50.8 L/s ,a sodium hypochlorite disinfection system, a 150 kW diesel engine stand-by power generator set -Queensdale Well rated for 60.7 L/s, 225 m3 underground reservoir, a sodium hypochlorite disinfection system, and a sodium silicate system for iron sequestration -University of Guelph Well with an installed capacity of 30.3 L/s, 2,287 m3 underground reservoir, booster pumping station with two pumps for a firm capacity of 25.3 L/s, a sodium hypochlorite disinfection system, a 120 kW Diesel engine stand-by power generator set -Water Street Well with an installed capacity of 18.9 L/s and a sodium hypochlorite disinfection system -Elevated storage provided at the Verney Tower (4,546 m3), Clair Tower (4,546 m3) and Speedvale Tower (2,273 m3/d) -Robertson Booster Pumping Station with three pumps for a firm capacity of 79.6 L/s					
Contaminants: Emission Control:					
<a href="#">8</a>	4 of 17	N/42.6	312.0	<b>F.M. Woods Pumping Station 29 Waterworks Place Guelph ON N1E 6P7</b>	CA

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Certificate #:</i>		1594-57DHUH			
<i>Application Year:</i>		02			
<i>Issue Date:</i>		5/10/02			
<i>Approval Type:</i>		Municipal & Private water			
<i>Status:</i>		Approved			
<i>Application Type:</i>		Revocation			
<i>Client Name:</i>		The Corporation of the City of Guelph			
<i>Client Address:</i>		59 Carden Street			
<i>Client City:</i>		Guelph			
<i>Client Postal Code:</i>		N1H 3A1			
<i>Project Description:</i>		A water supply system serving the City of Guelph, consisting of the following: -Arkell Well Field ? a groundwater supply system comprised of four drilled groundwater production wells rated for a total of 265 L/s -Carter Well Field ? a groundwater supply system comprised of two drilled groundwater production wells rated for 91 L/s -Arkell Artificial Recharge System consisting of one (1) vertical turbine pump rated at 107.17 L/s, 300 mm discharge line to infiltration basin and trenches -Arkell Springs Collector System consisting of a series of small diameter collector pipes capturing shallow groundwater and discharging to an aqueduct to the F. M. Woods Pumping Station. -F. M. Woods Pumping Station and Reservoir, equipped with five pumps for a firm capacity of 1,061 L/s, housing treatment, storage and control facilities and two underground reservoirs approximately with a total storage volume of 23,000 m3, -Burke Well with an installed capacity of 75.7 L/, 303 m3 underground reservoir and sodium hypochlorite disinfection system -Calico Well rated for 60.6 L/s, 147 m3 underground reservoir and sodium hypochlorite disinfection system -Clythe Creek Well rated for 60.7 L/s, 672 m3 underground reservoir, booster pumping station with two pumps for a firm capacity of 63 L/s and sodium hypochlorite disinfection system, a 150 kW diesel engine stand-by power generator set - Dean Well with an installed capacity of 26.7 L/s, 109 m3 underground reservoir and a sodium hypochlorite disinfection system -Downey Road Well rated for 60.6 L/s, 42.6 m3 underground reservoir and a sodium hypochlorite disinfection system, -Emma Street Well with an installed capacity of 34.8 L/s (currently off-line) -Helmar Well rated for 37.9 L/s, 124.5 m3 underground reservoir, a sodium hypochlorite disinfection system and a sodium silicate system for iron sequestration -Membro Well rated for 70 L/s, 78.73 m3 underground reservoir and a sodium hypochlorite disinfection system - Paisley Well with an installed capacity of 32.7 L/s, 13,608 m3 underground reservoir and booster pumping station with 8 pumps for a firm capacity of 159 L/s , a sodium hypochlorite disinfection system, a 379 kW diesel engine stand-by power generator set -Park Road Well No. 1 and Park Road Well No. 2, each with an installed capacity of 50.8 L/s ,a sodium hypochlorite disinfection system, a 150 kW diesel engine stand-by power generator set -Queensdale Well rated for 60.7 L/s, 225 m3 underground reservoir, a sodium hypochlorite disinfection system, and a sodium silicate system for iron sequestration -University of Guelph Well with an installed capacity of 30.3 L/s, 2,287 m3 underground reservoir, booster pumping station with two pumps for a firm capacity of 25.3 L/s, a sodium hypochlorite disinfection system, a 120 kW Diesel engine stand-by power generator set -Water Street Well with an installed capacity of 18.9 L/s and a sodium hypochlorite disinfection system -Elevated storage provided at the Verney Tower (4,546 m3), Clair Tower (4,546 m3) and Speedvale Tower (2,273 m3/d) -Robertson Booster Pumping Station with three pumps for a firm capacity of 79.6 L/s			
<i>Contaminants:</i>					
<i>Emission Control:</i>					

<u>8</u>	5 of 17	N/42.6	312.0	<b>F.M. Woods Pumping Station 29 Waterworks Place Guelph ON N1E 6P7</b>	CA
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*Certificate #:* 8778-56WJG9  
*Application Year:* 02  
*Issue Date:* 4/9/02  
*Approval Type:* Municipal & Private water  
*Status:* Revoked and/or Replaced  
*Application Type:* Amended CofA  
*Client Name:* The Corporation of the City of Guelph  
*Client Address:* 59 Carden Street  
*Client City:* Guelph  
*Client Postal Code:* N1H 3A1

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Project Description:</i>		Amendment to CofA to clarify monitoring; devices installation and requirements			
<i>Contaminants:</i>					
<i>Emission Control:</i>					
<u>8</u>	6 of 17	N/42.6	312.0	CITY OF GUELPH 29 WATERWORKS PL GUELPH ON N1E 6P7	FSTH
<i>License Issue Date:</i>		1/17/1991			
<i>Tank Status:</i>		Licensed			
<i>Tank Status As Of:</i>		December 2008			
<i>Operation Type:</i>		Private Fuel Outlet			
<i>Facility Type:</i>		Gasoline Station - Self Serve			
--- Details ---					
<i>Status:</i>		Active			
<i>Capacity (L):</i>		9092			
<i>Year of Installation:</i>		1978			
<i>Corrosion Protection:</i>					
<i>Tank Fuel Type:</i>		Liquid Fuel Single Wall UST - Diesel			
+					
<i>Status:</i>		Active			
<i>Capacity (L):</i>		9092			
<i>Year of Installation:</i>		1978			
<i>Corrosion Protection:</i>					
<i>Tank Fuel Type:</i>		Liquid Fuel Single Wall UST - Gasoline			
<u>8</u>	7 of 17	N/42.6	312.0	CITY OF GUELPH 29 WATERWORKS PL GUELPH ON N1E 6P7	FSTH
<i>License Issue Date:</i>		1/17/1991			
<i>Tank Status:</i>		Licensed			
<i>Tank Status As Of:</i>		August 2007			
<i>Operation Type:</i>		Private Fuel Outlet			
<i>Facility Type:</i>		Gasoline Station - Self Serve			
--- Details ---					
<i>Status:</i>		Active			
<i>Capacity (L):</i>		9092			
<i>Year of Installation:</i>		1978			
<i>Corrosion Protection:</i>					
<i>Tank Fuel Type:</i>		Liquid Fuel Single Wall UST - Diesel			
+					
<i>Status:</i>		Active			
<i>Capacity (L):</i>		9092			
<i>Year of Installation:</i>		1978			
<i>Corrosion Protection:</i>					
<i>Tank Fuel Type:</i>		Liquid Fuel Single Wall UST - Gasoline			
<u>8</u>	8 of 17	N/42.6	312.0	GUELPH, CORPORATION OF THE CITY OF WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	GEN
<i>Generator #:</i>		ON0349013			
<i>Approval Yrs:</i>		02,03,04,05			
<i>SIC Code:</i>					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>SIC Description:</i>					
--- Details ---					
	Waste Code:	146			
	Waste Description:	OTHER SPECIFIED INORGANICS			
	+				
	Waste Code:	221			
	Waste Description:	LIGHT FUELS			
<u>8</u>	9 of 17	N/42.6	312.0	<b>GUELPH, CORPORATION OF THE CITY OF WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7</b>	GEN
	Generator #:	ON0349013			
	Approval Yrs:	As of April 2014			
	SIC Code:				
	SIC Description:				
--- Details ---					
	Waste Code:	221			
	Waste Description:	Light fuels			
	+				
	Waste Code:	145			
	Waste Description:	Wastes from the use of pigments, coatings and paints			
	+				
	Waste Code:	213			
	Waste Description:	Petroleum distillates			
	+				
	Waste Code:	331			
	Waste Description:	Waste compressed gases including cylinders			
<u>8</u>	10 of 17	N/42.6	312.0	<b>GUELPH, CORPORATION OF THE CITY OF WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7</b>	GEN
	Generator #:	ON0349013			
	Approval Yrs:	2012			
	SIC Code:	221310, 237110			
	SIC Description:	Water Supply and Irrigation Systems, Water and Sewer Line and Related Structures Construction			
--- Details ---					
	Waste Code:	221			
	Waste Description:	LIGHT FUELS			
	+				
	Waste Code:	146			
	Waste Description:	OTHER SPECIFIED INORGANICS			
<u>8</u>	11 of 17	N/42.6	312.0	<b>GUELPH, CITY OF WATER DEPARTMENT 29 WATERWORKS PLACE GUELPH ON N1E 6P7</b>	GEN
	Generator #:	ON0349008			
	Approval Yrs:	98,99,00,01			
	SIC Code:	4931			
	SIC Description:	WATER SYSTEMS IND.			
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		243			
Waste Description:		PCB'S			
<u>8</u>	12 of 17	N/42.6	312.0	GUELPH, CITY OF 29 WATERWORKS PLACE, WATER DEPT. GUELPH ON N1E 6P7	17-483 GEN
Generator #:		ON0349008			
Approval Yrs:		92,93,96,97			
SIC Code:		4931			
SIC Description:		WATER SYSTEMS IND.			
--- Details ---					
Waste Code:		243			
Waste Description:		PCB'S			
<u>8</u>	13 of 17	N/42.6	312.0	GUELPH, CITY OF WATER DEPT. 29 WATERWORKS PLACE C/O CARDEN ST. GUELPH ON N1E 6P7	17-483 GEN
Generator #:		ON0349008			
Approval Yrs:		94,95			
SIC Code:		4931			
SIC Description:		WATER SYSTEMS IND.			
--- Details ---					
Waste Code:		243			
Waste Description:		PCB'S			
<u>8</u>	14 of 17	N/42.6	312.0	GUELPH, CORPORATION OF THE CITY OF WOODS STATION 29 WATERWORKS PLACE GUELPH ON N1E 6P7	GEN
Generator #:		ON0349013			
Approval Yrs:		2011			
SIC Code:		221310, 237110			
SIC Description:					
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
<u>8</u>	15 of 17	N/42.6	312.0	CITY OF GUELPH 29 WATER WORKS PL GUELPH ON N1E 6P7	PRT
Location ID:		5658			
Type:		private			
Expiry Date:					
Capacity (L):		18184.00			
Licence #:		0001055915			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">8</a>	16 of 17	N/42.6	312.0	Hayman Construction Inc. 29 Waterworks PI F.M. WOODS STATION Guelph ON N1E 6P7	SPL
Ref No.:		1685-6WVMHN			
Incident Dt:		12/27/2006			
MOE Reported Dt:		12/27/2006			
Contaminant Name:		HYDRAULIC OIL			
Contaminant Quantity:		30 15			
Incident Summary:		Hayman Construction, hydraulic oil to soil, cleaned			
Incident Cause:		Pipe Or Hose Leak			
Incident Reason:		Equipment Failure			
Nature of Impact:		Soil Contamination			
Receiving Medium:		Land			
Environmental Impact:		Confirmed			
<a href="#">8</a>	17 of 17	N/42.6	312.0	TRANSPORT TRUCK 29 WATERWORKS PLACE TRANSPORT TRUCK (CARGO) GUELPH ON N1E 6P7	SPL
Ref No.:		183848			
Incident Dt:		7/20/2000			
MOE Reported Dt:		7/20/2000			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		TRANSPORT TRUCK: SPILLED 80 L DIESEL WHILE FILLING STORAGE TANKS. CLEANED.			
Incident Cause:		PIPE/HOSE LEAK			
Incident Reason:		ERROR			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
Environmental Impact:		POSSIBLE			
<a href="#">9</a>	1 of 1	WNW/96.5	312.0	ON	WWIS
Well ID:		7199223		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562127		GUELPH TOWNSHIP	
Zone:		17		Northing Nad83:	
Primary Water Use:				4821504	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				05-MAR-13	
Construction Method:				Well Depth:	
Elevation (m):				Static Water Level:	
Depth to Bedrock:				Clear/Cloudy:	
Water Type:				Final Well Status:	
				Flowing (y/n):	
				Elevation Reliability:	
				Overburden/Bedrock:	
				Casing Material:	
<a href="#">10</a>	1 of 1	NW/126.3	312.0	ON	WWIS
Well ID:		7199224		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
				GUELPH TOWNSHIP	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	562109 17			Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	4821529 margin of error : 30 m - 100 m 05-MAR-13

11      1 of 1                      NW/129.2      312.5                      ON                      WWIS

Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	7199226  WELLINGTON 562115 17			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	GUELPH TOWNSHIP 4821541 margin of error : 30 m - 100 m 05-MAR-13
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12      1 of 1                      NW/131.2      312.1                      ON                      WWIS

Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	7199225  WELLINGTON 562105 17			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	GUELPH TOWNSHIP 4821532 margin of error : 30 m - 100 m 05-MAR-13
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13      1 of 1                      NW/147.7      313.0                      ON                      WWIS

Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use:	7199227  WELLINGTON 562101 17			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date:	GUELPH TOWNSHIP 4821553 margin of error : 30 m - 100 m 05-MAR-13
---	---	--	--	--	---

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:				Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
<a href="#">14</a>	1 of 1	NW/148.1	312.9	ON	WWIS
Well ID: 7199228 Concession: County: WELLINGTON Easting Nad83: 562093 Zone: 17 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:				Lot: Concession Name: Municipality: GUELPH TOWNSHIP Northing Nad83: 4821544 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 05-MAR-13 Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
<a href="#">15</a>	1 of 1	NNE/69.8	311.0	Boult Ave. GUELPH ON	WDSH
Site No.: X8099 Region: WESTCENTRAL County: WELLINGTON Concession: Lot: Boult Ave. Easting: 562275 Northing: 4821425 Zone: 17 Date Closed: Status: CLOSED Classification: A7 - POTENTIAL HUMAN IMPACT-RURAL MUNICIPAL/DOMESTIC WASTE - CLOSED >20 YRS %CommercialWste: n/a %DomesticWste Rec: n/a %LiquidWste Rec: n/a %HazardousWste Rec: n/a %Non-haz.Wste Rec: n/a %Sewage/Sludge Rec: n/a %Other Wste Rec: n/a					
<a href="#">16</a>	1 of 2	N/97.6	312.0	Woods Station - 29 Waterworks Place Part of Lots 4 & 5, Broken Front Part Division F Guelph ON	CA
Certificate #: 7-0262-80-006 Application Year: 01 Issue Date: 3/29/01					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<p>Approval Type: Municipal &amp; Private water  Status: Approved  Application Type: Notice  Client Name: Corporation of the City of Guelph  Client Address: 59 Carden Street  Client City: Guelph  Client Postal Code: N1H 3A1  Project Description: This application is for construction of a new reservoir cell of 9 ML capacity  Contaminants:  Emission Control:</p>					
<a href="#"><u>16</u></a>	<b>2 of 2</b>	<b>N/97.6</b>	<b>312.0</b>	<b>Woods Station - 29 Waterworks Place Part of Lots 4 &amp; 5, Broken Front Part Division F Guelph ON</b>	<b>CA</b>
<p>Certificate #: 4475-4YCGMQ  Application Year: 01  Issue Date: 7/10/01  Approval Type: Municipal &amp; Private water  Status: Approved  Application Type: New Certificate of Approval  Client Name: Corporation of the City of Guelph  Client Address: 59 Carden Street  Client City: Guelph  Client Postal Code: N1H 3A1  Project Description: Construction of a new building (6m by 14m) at the location of the F.M. Woods Reservoirs and Pumping Station, to include: -chemical storage area with containment for three (3) 5900 L tanks (30 days of storage of sodium hypochlorite) and three (3) metering pumps (capacity of 7.1 L/h), 2 for chlorination and 1 for emergency -water quality monitoring room, electrical room, laboratory -provision of electrical, instrumentation and control work, as required.  Contaminants:  Emission Control:</p>					
<a href="#"><u>17</u></a>	<b>1 of 1</b>	<b>NNE/60.2</b>	<b>311.0</b>	<b>Boult Ave Dump Guelph ON N1E 5W7</b>	<b>ANDR</b>
<p>Legal Description: Guelph  Location Description: Boult Ave  Municipality: Guelph City  Current Municipality: Guelph City  RM: Wellington County  Facility: Dump  Date Active: pre 1970  Date Begun:  Date Complete:  Area (Ha):  Landfill Type:  Group Name:  Operated By:  Serial: MOEE 8099  NTS: 40P09  Diameter (m):  Waste Type:  UTM X Nad 27: 562275  UTM Y Nad 27: 4821425  UTM Zone: 17</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">18</a>	1 of 1	NW/230.6	314.0	NGF CANADA LIMITED 255 YORK RD GUELPH ON	GEN
Generator #: ON2051900 Approval Yrs: 2013 SIC Code: 314990 SIC Description: ALL OTHER TEXTILE PRODUCT MILLS --- Details --- Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS + Waste Code: 213 Waste Description: PETROLEUM DISTILLATES + Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS + Waste Code: 231 Waste Description: LATEX WASTES + Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS + Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS					
<a href="#">19</a>	1 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4	CA
Certificate #: 8-2116-86- Application Year: 86 Issue Date: 10/17/1986 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: MODIF. TO CHOP STRAND MAT LINE Contaminants: Suspended Particulate Matter Emission Control: No Controls					
<a href="#">19</a>	2 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4	CA
Certificate #: 8-2168-86- Application Year: 86 Issue Date: 10/15/1986 Approval Type: Industrial air Status: Approved Application Type: Client Name:					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Client Address:  Client City:  Client Postal Code:  Project Description: DRYING OVEN FOR FIBERGLASS YARN  Contaminants: Phthalates  Emission Control: No Controls</p>					
<a href="#">19</a>	3 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4	CA
<p>Certificate #: 8-2092-85-006  Application Year: 85  Issue Date: 10/4/85  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description:  Contaminants: Nitrogen Oxides  Emission Control: No Controls</p>					
<a href="#">19</a>	4 of 103	WNW/230.4	314.0	OWENS-CORNING CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4	CA
<p>Certificate #: 8-2116-86-000  Application Year: 86  Issue Date: 5/27/92  Approval Type: Industrial air  Status: Application Cancelled  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: INCREASE PRODUCTION RATE  Contaminants:  Emission Control:</p>					
<a href="#">19</a>	5 of 103	WNW/230.4	314.0	OWENS-CORNING CANADA INC., GUELPH GLASS 247 YORK ROAD GUELPH CITY ON N1E 3G4	CA
<p>Certificate #: 8-2039-97-  Application Year: 97  Issue Date: 4/21/1997  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Client City: Client Postal Code: Project Description: SIX NEW YARN DRYING OVENS Contaminants: Odour/Fumes, Methane (Incl. Hydrocarbons Expr. As Ch4 Emission Control: No Controls</p>					
<a href="#">19</a>	6 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC 247 YORK ROAD, GLASS PLANT GUELPH CITY ON N1E 3G4</b>	CA
<p>Certificate #: 8-2183-96- Application Year: 96 Issue Date: 11/26/1996 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: MILLED FIBER PROC. DUST COLLECTOR VENT Contaminants: Suspended Particulate Matter, Sound, Formaldehyde Emission Control: Baghouse (Incl Vent Fil.), Absolute Filters, Silencer, No Controls</p>					
<a href="#">19</a>	7 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4</b>	CA
<p>Certificate #: 8-2281-86- Application Year: 86 Issue Date: 3/12/1987 Approval Type: Industrial air Status: Underwent 1st revision in 1987 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: NEW FURN. TO INCREA. FIBERGLASS PRODUCT. Contaminants: Suspended Particulate Matter, Nitrogen Oxides Emission Control: Baghouse (Incl Vent Fil.)</p>					
<a href="#">19</a>	8 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4</b>	CA
<p>Certificate #: 8-2301-87- Application Year: 87 Issue Date: 12/11/1987 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: FIBERGLAS YARN DRYING OVEN</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Contaminants: Emission Control:		Nitrogen Oxides No Controls			
<a href="#">19</a>	9 of 103	WNW/230.4	314.0	OC Celfortec Inc. and Owens Corning Composite Materials Canada GP Inc. 247 York St Guelph ON N1E 3G4	CA
Certificate #:		1059-8K4QCE			
Application Year:		2011			
Issue Date:		10/27/2011			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
<a href="#">19</a>	10 of 103	WNW/230.4	314.0	OWENS-CORNING CANADA INC., GUELPH GLASS 247 YORK ROAD GUELPH CITY ON N1E 3G4	CA
Certificate #:		8-2216-99-			
Application Year:		99			
Issue Date:		1/28/2000			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		ACOUSTIC ENCL. FOR OXYGEN GENERATOR			
Contaminants:					
Emission Control:					
<a href="#">19</a>	11 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4	CA
Certificate #:		8-2180-91-			
Application Year:		91			
Issue Date:		10/2/1991			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		NOX REDUCTION TRIAL AT TEXTILE PLANT			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>Contaminants:</i>		Nitrogen Oxides, Sulphur Dioxide, Suspended Particulate Matter			
<i>Emission Control:</i>		No Controls			
<a href="#">19</a>	12 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4</b>	CA
<i>Certificate #:</i>		8-2041-87-			
<i>Application Year:</i>		87			
<i>Issue Date:</i>		3/30/1987			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>		CLEANING ROOM FUME EXHAUST			
<i>Contaminants:</i>		Trichloroethylene, Other Organic Compounds			
<i>Emission Control:</i>		No Controls			
<a href="#">19</a>	13 of 103	WNW/230.4	314.0	<b>247 York Road Guelph ON N1E 3G4</b>	CA
<i>Certificate #:</i>					
<i>Application Year:</i>		02			
<i>Issue Date:</i>		3/22/02			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Cancelled			
<i>Application Type:</i>		Amended CofA			
<i>Client Name:</i>		Owens-Corning Canada Inc.			
<i>Client Address:</i>		247 York Rd., Box 3603			
<i>Client City:</i>		Guelph			
<i>Client Postal Code:</i>		N1E 3G4			
<i>Project Description:</i>		Installation of a new Circ-u-Latic boiler to be used as a backup to the three (3) existing boilers.			
<i>Contaminants:</i>					
<i>Emission Control:</i>					
<a href="#">19</a>	14 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc. 247 York Road Guelph ON</b>	CA
<i>Certificate #:</i>		8-2181-91-999			
<i>Application Year:</i>		2003			
<i>Issue Date:</i>		4/25/2003			
<i>Approval Type:</i>		Air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>					
<i>Contaminants:</i>					
<i>Emission Control:</i>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">19</a>	15 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC.(SEE NOT. 17-1-92) 247 YORK RD. GUELPH CITY ON N1E 3G4	CA
<p>Certificate #: 8-2176-86-  Application Year: 86  Issue Date: 10/22/1986  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: CONTROL OF FIBER FROM MAT-LINE OVEN CONV  Contaminants: Suspended Particulate Matter  Emission Control: No Controls</p>					
<a href="#">19</a>	16 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4	CA
<p>Certificate #: 8-2181-91-  Application Year: 91  Issue Date: 12/10/1991  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: BATCH FORMULATION CHANGE-NOX REDUCTION  Contaminants: Nitrogen Oxides, Suspended Particulate Matter, Sulphur Dioxide  Emission Control: No Controls</p>					
<a href="#">19</a>	17 of 103	WNW/230.4	314.0	247 York Rd. Guelph ON N1E 3G4	CA
<p>Certificate #: 2320-4HFKGH  Application Year: 00  Issue Date: 3/16/00  Approval Type: Industrial air  Status: Approved  Application Type: Amended CofA  Client Name: Owens-Corning Canada Inc.  Client Address: 247 York Rd., Box 3603  Client City: Guelph  Client Postal Code: N1E 3G4  Project Description: Changes to stack dimensions and locations  Contaminants:  Emission Control:</p>					
<a href="#">19</a>	18 of 103	WNW/230.4	314.0	247 York Rd.	CA

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>Guelph ON N1E 3G4</b>					
Certificate #:		2287-4KSP8E			
Application Year:		00			
Issue Date:		6/13/00			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		New Certificate of Approval			
Client Name:		Owens-Corning Canada Inc.			
Client Address:		247 York Rd., Box 3603			
Client City:		Guelph			
Client Postal Code:		N1E 3G4			
Project Description:		Owens Corning is requesting a Certificate of Approval (Air) for a fume collection and exhaust system for a drying oven and a Loss of Ignition (LOI) muffle oven. Finished product from the roving line initially will be dried to remove moisture and then heated in a muffle oven to determine LOI. It is proposed that the degradation products, i.e. particulate, generated by the muffle oven will be collected in a dedicated ventilation system and exhausted to atmosphere at a maximum rate of 0.18 m3/s through 0.15 m diameter stack, located at 0.31 m above the roof of the facility and 15.2 m above grade (Source F14).			
Contaminants:					
Emission Control:					

<a href="#">19</a>	19 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4</b>	CA
Certificate #:		8-2080-86-			
Application Year:		86			
Issue Date:		5/16/1986			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		VENTILATION FOR PROCESS AREA			
Contaminants:		Heat Flux			
Emission Control:		No Controls			

<a href="#">19</a>	20 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4</b>	CA
Certificate #:		8-2096-85-866			
Application Year:		85			
Issue Date:		1/10/86			
Approval Type:		Industrial air			
Status:		Received in 1985, Issued in 1986			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:		Nitrogen Oxides, Suspended Particulate Matter			
Emission Control:		Baghouse (Incl Vent Fil.)			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">19</a>	21 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4	CA
Certificate #:		8-2169-86-			
Application Year:		86			
Issue Date:		12/8/1986			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		EDGE TRIM TRANSFER EXHAUST FILTER			
Contaminants:		Suspended Particulate Matter			
Emission Control:		Roll Filter,			
<a href="#">19</a>	22 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4	CA
Certificate #:		8-2216-87-			
Application Year:		87			
Issue Date:		7/25/1988			
Approval Type:		Industrial air			
Status:		Cancelled			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		TWO BAGHOUSES FOR PROCESS			
Contaminants:					
Emission Control:					
<a href="#">19</a>	23 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4	CA
Certificate #:		8-2207-89-			
Application Year:		89			
Issue Date:		3/29/1989			
Approval Type:		Industrial air			
Status:		Underwent 1st revision in 1990			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		STACK EXTENSIONS FOR PROPER TESTING			
Contaminants:					
Emission Control:					
<a href="#">19</a>	24 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC.	CA



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<b>247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	
				Certificate #: 8-2142-94- Application Year: 94 Issue Date: 7/29/1994 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: ADD THIRD GAS-FIRED STEAM BOILER Contaminants: Nitrogen Oxides Emission Control: No Controls	
<a href="#">19</a>	25 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: 8-2230-92- Application Year: 92 Issue Date: 12/14/1992 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: INSTALL TEST STATION FUME HOOD Contaminants: Styrene Emission Control: Act. Charcoal Filter	
<a href="#">19</a>	26 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: 8-2267-89- Application Year: 89 Issue Date: 8/20/1990 Approval Type: Industrial air Status: Approved in 1990 Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: ELIMINATION OF ODOUR IN TANK ROOM Contaminants: Xylene, Formaldehyde, Ethyl Alcohol, Denat,D, Methyl Alcohol, Formic Acid, Styrene, Acetic Acid, Isopropyl Alcohol Emission Control: No Controls	
<a href="#">19</a>	27 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC., GUELPH GLASS</b>	CA

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<b>247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	
				Certificate #: 8-2121-99- Application Year: 99 Issue Date: 7/19/1999 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: VENT LABEL APPLICATOR/HEAT SEALER MECH. Contaminants: Emission Control:	
<a href="#">19</a>	28 of 103	WNW/230.4	314.0	<b>Owens Corning Canada Inc. 247 York Road Guelph ON</b>	CA
				Certificate #: 8-2181-91-999 Application Year: 2006 Issue Date: 3/3/2006 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
<a href="#">19</a>	29 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC., GUELPH GLASS 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: 8-2159-99- Application Year: 99 Issue Date: 10/6/1999 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: CONTINUOUS FILAMENT MAT LINE Contaminants: Emission Control:	
<a href="#">19</a>	30 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC., GUELPH GLASS</b>	CA

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<b>247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	
				Certificate #: 8-2159-99- Application Year: 99 Issue Date: 11/18/1999 Approval Type: Industrial air Status: Revised Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: WORDING CHANGES IN TERMS & CONDITIONS Contaminants: Emission Control:	
<a href="#">19</a>	31 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: 8-3027-86- Application Year: 86 Issue Date: 6/2/1986 Approval Type: Industrial air Status: Cancelled Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
<a href="#">19</a>	32 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. 247 YORK RD. GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: 8-2127-89- Application Year: 89 Issue Date: 6/23/1989 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: NEW INCINERATOR/MODIF. TO BURNER Contaminants: Emission Control:	
<a href="#">19</a>	33 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	CA

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
<a href="#">19</a>	<b>34 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>OWENS-CORNING CANADA INC. 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>CA</b>
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
<a href="#">19</a>	<b>35 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>247 York Rd. Guelph ON N1E 3G4</b>	<b>CA</b>
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
<a href="#">19</a>	<b>36 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>FIBERGLAS CANADA INC. 247 YORK ROAD</b>	<b>CA</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>GUELPH CITY ON N1E 3G4</b>					
				Certificate #: 8-2250-92- Application Year: 92 Issue Date: 12/9/1992 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: SYS. FOR TRIM WASTE BALING PROC. Contaminants: Suspended Particulate Matter Emission Control: Envelope Filter,	
<a href="#">19</a>	37 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC.</b> <b>247 YORK ROAD</b> <b>GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: 8-2209-94- Application Year: 94 Issue Date: 11/2/1994 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: INCR. DIS. HEIGHT OF 4) FORMING STACKS Contaminants: Odour/Fumes Emission Control:	
<a href="#">19</a>	38 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC.</b> <b>247 YORK RD.</b> <b>GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: 8-2109-88- Application Year: 88 Issue Date: 8/9/1988 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: VENTIL FOR WASTEWATER TREATM. FAC. Contaminants: Xylene, Styrene, Acetone, Methylene Chloride Emission Control: No Controls	
<a href="#">19</a>	39 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC.</b> <b>247 YORK RD.</b> <b>GUELPH CITY ON N1E 3G4</b>	CA

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
				Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
<a href="#">19</a>	40 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC., GUELPH            GLASS            247 YORK ROAD            GUELPH CITY ON N1E 3G4</b>	CA
				Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
				Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
<a href="#">19</a>	41 of 103	WNW/230.4	314.0	<b>247 York Rd.            Guelph ON N1E 3G4</b>	CA
				Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
				Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:	
<a href="#">19</a>	42 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc. Guelph Glass            247 York Road</b>	EBR

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>City of Guelph ON N1E 3G4</b>					
				Year: 1999 EBR Registry No.: IA9E0955 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 8/11/99 Location: City of Guelph Proponent Address: Owens-Corning Canada Inc.Guelph Glass,247 York Road,Guelph, Ontario, N1E 3G4	
<a href="#">19</a>	43 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc.Guelph Glass            247 York Road            City of Guelph ON N1E 3G4</b>	EBR
				Year: 1999 EBR Registry No.: IA9E0723 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 6/18/99 Location: City of Guelph Proponent Address: Owens-Corning Canada Inc.Guelph Glass,247 York Road,Guelph, Ontario, N1E 3G4	
<a href="#">19</a>	44 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc            247 York Rd.            Guelph ON N1E 3G4</b>	EBR
				Year: 2000 EBR Registry No.: IA00E0812 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: Location: 247 York Rd.,Guelph, Ontario, N1E 3G4Guelph Proponent Address: Owens-Corning Canada Inc.247 York Rd., Box 3603,Guelph, Ontario, N1E 3G4	
<a href="#">19</a>	45 of 103	WNW/230.4	314.0	<b>OC Celfortec Inc. and Owens Corning            Composite Materials Canada GP Inc.            247 York Street            Guelph ON N1E 3G4</b>	EBR
				Year: 2009 EBR Registry No.: 010-5650 Ministry Ref. No.: 1923-7N3PYU Type: Instrument Proposal Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 1/12/2009 Location: 247 York Street Guelph County of Wellington N1H 6P6 Proponent Address: 247 York Street Guelph Ontario Canada N1H 6P6	
<a href="#">19</a>	46 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc            247 York Road            City of Guelph ON N1E 3G4</b>	EBR



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<p>Year: 1997            EBR Registry No.: IA7E0361            Ministry Ref. No.:            Type: Instrument            Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)            Proposal Date: 3/19/97            Location: City of Guelph            Proponent Address: Owens-Corning Canada Inc 247 York Road, P.O. Box 3603, Guelph, Ontario, N1H 6P6</p>	
<a href="#">19</a>	47 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc. 247 York Rd Guelph ON N1E 3G4</b>	<b>EBR</b>
				<p>Year: 2003            EBR Registry No.: IA03E0232            Ministry Ref. No.:            Type: Instrument            Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)            Proposal Date: 2/20/03            Location: 247 York Rd., Guelph, Ontario, N1E 3G4 Guelph            Proponent Address: Owens-Corning Canada Inc. 247 York Rd., Box 3603, Guelph, Ontario, N1E 3G4</p>	
<a href="#">19</a>	48 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc 247 York Road City of Guelph ON N1E 3G4</b>	<b>EBR</b>
				<p>Year: 1999            EBR Registry No.: IA9E1273            Ministry Ref. No.:            Type: Instrument            Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)            Proposal Date: 10/21/99            Location: City of Guelph            Proponent Address: Owens-Corning Canada Inc 247 York Road, P.O. Box 3603, Guelph, Ontario, N1H 6P6</p>	
<a href="#">19</a>	49 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc 247 York Rd. Guelph ON N1E 3G4</b>	<b>EBR</b>
				<p>Year: 2000            EBR Registry No.: IA00E0899            Ministry Ref. No.:            Type: Instrument            Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)            Proposal Date:            Location: 247 York Rd., Guelph, Ontario, N1E 3G4 Guelph            Proponent Address: Owens-Corning Canada Inc. 247 York Rd., Box 3603, Guelph, Ontario, N1E 3G4</p>	
<a href="#">19</a>	50 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc. Guelph Glass 247 YORK RD. City of Guelph ON N1E 3G4</b>	<b>EBR</b>
				<p>Year: 1997            EBR Registry No.: IA7E0383</p>	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 3/19/97 Location: City of Guelph Proponent Address: Owens-Corning Canada Inc.Guelph Glass,247 York Road,Guelph, Ontario, N1E 3G4					
<a href="#">19</a>	51 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc 247 York Rd. Guelph ON N1E 3G4</b>	<b>EBR</b>
Year: 2000 EBR Registry No.: IA00E0816 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 5/11/00 Location: 247 York Rd.,Guelph, Ontario, N1E 3G4Guelph Proponent Address: Owens-Corning Canada Inc.247 York Rd., Box 3603,Guelph, Ontario, N1E 3G4					
<a href="#">19</a>	52 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc. 247 York Rd Guelph ON N1E 3G4</b>	<b>EBR</b>
Year: 2005 EBR Registry No.: IA05E1640 Ministry Ref. No.: 1665-6GVL5Q Type: Instrument Decision Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9 Proposal Date: Location: 247 York Rd. Guelph Ontario N1E 3G4 Proponent Address: 247 York Rd., Box 3603 Guelph Ontario N1E 3G4					
<a href="#">19</a>	53 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc.Guelph Glass 247 YORK ROAD City of Guelph ON N1E 3G4</b>	<b>EBR</b>
Year: 1996 EBR Registry No.: IA6E1318 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 8/26/96 Location: City of Guelph Proponent Address: Owens-Corning Canada Inc.Guelph Glass,247 York Road,Guelph, Ontario, N1E 3G4					
<a href="#">19</a>	54 of 103	WNW/230.4	314.0	<b>Owens-Corning Canada Inc 247 York Road City of Guelph ON N1E 3G4</b>	<b>EBR</b>
Year: 1999 EBR Registry No.: IA9E0954 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Proposal Date: 8/11/99 Location: City of Guelph Proponent Address: Owens-Corning Canada Inc 247 York Road, P.O. Box 3603, Guelph, Ontario, N1H 6P6					
<a href="#">19</a>	55 of 103	WNW/230.4	314.0	247 York Road Guelph ON N1E 3G4	EHS
Order No.: 20061101022 Report Date: 11/10/2006 Report Type: Complete Report Search Radius (km): 0.25 Addit. Info Ordered: Fire Insur. Maps And /or Site Plans					
<a href="#">19</a>	56 of 103	WNW/230.4	314.0	247 York R n/a ON N1E 3G4	EHS
Order No.: 20070405011w Report Date: 4/5/2007 Report Type: CAN - Online Mapless Search Radius (km): 0.25 Addit. Info Ordered:					
<a href="#">19</a>	57 of 103	WNW/230.4	314.0	FIBERGLAS CANADA INC. 247 YORK ROAD GUELPH ON N1E 3G4	GEN
Generator #: ON0002700 Approval Yrs: 89,90 SIC Code: 3731 SIC Description: PLASTIC & SYN. RESIN					
--- Details ---					
Waste Code: 113					
Waste Description: ACID WASTE - OTHER METALS					
+					
Waste Code: 121					
Waste Description: ALKALINE WASTES - HEAVY METALS					
+					
Waste Code: 122					
Waste Description: ALKALINE WASTES - OTHER METALS					
+					
Waste Code: 146					
Waste Description: OTHER SPECIFIED INORGANICS					
+					
Waste Code: 212					
Waste Description: ALIPHATIC SOLVENTS					
+					
Waste Code: 213					
Waste Description: PETROLEUM DISTILLATES					
+					
Waste Code: 231					
Waste Description: LATEX WASTES					
+					
Waste Code: 232					
Waste Description: POLYMERIC RESINS					
+					
Waste Code: 241					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		268			
Waste Description:		AMINES			

[19](#)      **58 of 103**      **WNW/230.4**      **314.0**      **OWENS-CORNING Insulating Systems**      **GEN**  
**Canada LP**  
**247 YORK ROAD**  
**GUELPH ON N1E 3G4**

Generator #: ON0002700  
Approval Yrs: 06,07,08  
SIC Code: 327214  
SIC Description: Glass Manufacturing

--- Details ---

- Waste Code: 262
- Waste Description: DETERGENTS/SOAPS
- +
- Waste Code: 262
- Waste Description: DETERGENTS/SOAPS
- +
- Waste Code: 221
- Waste Description: LIGHT FUELS
- +
- Waste Code: 221
- Waste Description: LIGHT FUELS
- +
- Waste Code: 112
- Waste Description: ACID WASTE - HEAVY METALS
- +
- Waste Code: 113
- Waste Description: ACID WASTE - OTHER METALS
- +
- Waste Code: 121
- Waste Description: ALKALINE WASTES - HEAVY METALS
- +
- Waste Code: 122
- Waste Description: ALKALINE WASTES - OTHER METALS
- +
- Waste Code: 135
- Waste Description: REACTIVE ANION WASTES
- +
- Waste Code: 145
- Waste Description: PAINT/PIGMENT/COATING RESIDUES
- +
- Waste Code: 146
- Waste Description: OTHER SPECIFIED INORGANICS
- +
- Waste Code: 148
- Waste Description: INORGANIC LABORATORY CHEMICALS
- +
- Waste Code: 150
- Waste Description: INERT INORGANIC WASTES
- +



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
+					
	<i>Waste Code:</i>	267			
	<i>Waste Description:</i>	ORGANIC ACIDS			
+					
	<i>Waste Code:</i>	263			
	<i>Waste Description:</i>	ORGANIC LABORATORY CHEMICALS			
+					
	<i>Waste Code:</i>	252			
	<i>Waste Description:</i>	WASTE OILS & LUBRICANTS			
+					
	<i>Waste Code:</i>	146			
	<i>Waste Description:</i>	OTHER SPECIFIED INORGANICS			
+					
	<i>Waste Code:</i>	243			
	<i>Waste Description:</i>	PCBS			
+					
	<i>Waste Code:</i>	148			
	<i>Waste Description:</i>	INORGANIC LABORATORY CHEMICALS			
+					
	<i>Waste Code:</i>	122			
	<i>Waste Description:</i>	ALKALINE WASTES - OTHER METALS			
+					
	<i>Waste Code:</i>	135			
	<i>Waste Description:</i>	REACTIVE ANION WASTES			
+					
	<i>Waste Code:</i>	262			
	<i>Waste Description:</i>	DETERGENTS/SOAPS			
+					
	<i>Waste Code:</i>	145			
	<i>Waste Description:</i>	PAINT/PIGMENT/COATING RESIDUES			
+					
	<i>Waste Code:</i>	331			
	<i>Waste Description:</i>	WASTE COMPRESSED GASES			
+					
	<i>Waste Code:</i>	212			
	<i>Waste Description:</i>	ALIPHATIC SOLVENTS			
+					
	<i>Waste Code:</i>	233			
	<i>Waste Description:</i>	OTHER POLYMERIC WASTES			
+					
	<i>Waste Code:</i>	121			
	<i>Waste Description:</i>	ALKALINE WASTES - HEAVY METALS			
+					
	<i>Waste Code:</i>	113			
	<i>Waste Description:</i>	ACID WASTE - OTHER METALS			
+					
	<i>Waste Code:</i>	268			
	<i>Waste Description:</i>	AMINES			
+					
	<i>Waste Code:</i>	112			
	<i>Waste Description:</i>	ACID WASTE - HEAVY METALS			
+					
	<i>Waste Code:</i>	312			
	<i>Waste Description:</i>	PATHOLOGICAL WASTES			
+					
	<i>Waste Code:</i>	231			
	<i>Waste Description:</i>	LATEX WASTES			
+					
	<i>Waste Code:</i>	251			
	<i>Waste Description:</i>	OIL SKIMMINGS & SLUDGES			
+					
	<i>Waste Code:</i>	213			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		PETROLEUM DISTILLATES			
<a href="#">19</a>	60 of 103	WNW/230.4	314.0	<b>OWENS-CORNING Insulating Systems Canada LP 247 YORK ROAD GUELPH ON</b>	<b>GEN</b>
Generator #:		ON0002700			
Approval Yrs:		2009			
SIC Code:		327214			
SIC Description:		Glass Manufacturing			
--- Details ---					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
+					
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
+					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
+					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		231			
Waste Description:		LATEX WASTES			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		233			
Waste Description:		OTHER POLYMERIC WASTES			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		243			
Waste Description:		PCBS			
+					





Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+ Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS					
<a href="#">19</a>	62 of 103	WNW/230.4	314.0	FIBERGLASS CANADA INC. 247 YORK RD. GUELPH ON N1E 3G4	GEN
Generator #: 202-85A083 Approval Yrs: 86 SIC Code: 030 SIC Description:					
<a href="#">19</a>	63 of 103	WNW/230.4	314.0	OWENS-CORNING CANADA INC. GUELPH GLASS PLANT 247 YORK ROAD GUELPH ON N1E 3G4	GEN
Generator #: ON0002700 Approval Yrs: 95 SIC Code: 3562 SIC Description: GLASS PRODUCTS IND.					
--- Details ---					
Waste Code: 113 Waste Description: ACID WASTE - OTHER METALS					
+ Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS					
+ Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS					
+ Waste Code: 135 Waste Description: REACTIVE ANION WASTES					
+ Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES					
+ Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS					
+ Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS					
+ Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS					
+ Waste Code: 213 Waste Description: PETROLEUM DISTILLATES					
+ Waste Code: 231 Waste Description: LATEX WASTES					
+ Waste Code: 232 Waste Description: POLYMERIC RESINS					
+ Waste Code: 233 Waste Description: OTHER POLYMERIC WASTES					
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		243			
Waste Description:		PCB'S			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
+					
Waste Code:		268			
Waste Description:		AMINES			

<u>19</u>	<b>64 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>OWENS-CORNING Insulating Systems Canada LP 247 YORK ROAD GUELPH ON</b>	<b>GEN</b>
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Generator #: ON0002700  
Approval Yrs: 2011  
SIC Code: 327214  
SIC Description: Glass Manufacturing

--- Details ---

Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 233  
Waste Description: OTHER POLYMERIC WASTES  
+  
Waste Code: 262  
Waste Description: DETERGENTS/SOAPS  
+  
Waste Code: 231  
Waste Description: LATEX WASTES  
+  
Waste Code: 251  
Waste Description: OIL SKIMMINGS & SLUDGES  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
	Waste Code:	122			
	Waste Description:	ALKALINE WASTES - OTHER METALS			
+					
	Waste Code:	243			
	Waste Description:	PCBS			
+					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
+					
	Waste Code:	232			
	Waste Description:	POLYMERIC RESINS			
+					
	Waste Code:	135			
	Waste Description:	REACTIVE ANION WASTES			
+					
	Waste Code:	268			
	Waste Description:	AMINES			
+					
	Waste Code:	113			
	Waste Description:	ACID WASTE - OTHER METALS			
+					
	Waste Code:	221			
	Waste Description:	LIGHT FUELS			
+					
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
+					
	Waste Code:	331			
	Waste Description:	WASTE COMPRESSED GASES			
+					
	Waste Code:	263			
	Waste Description:	ORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
+					
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
+					
	Waste Code:	267			
	Waste Description:	ORGANIC ACIDS			

**19**      **65 of 103**      **WNW/230.4**      **314.0**      **OWENS-CORNING Insulating Systems**      **GEN**  
**Canada LP**  
**247 YORK ROAD**  
**GUELPH ON**

Generator #: ON0002700  
Approval Yrs: 2013  
SIC Code: 327214  
SIC Description: GLASS MANUFACTURING

--- Details ---

Waste Code: 231  
Waste Description: LATEX WASTES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 121



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			

[19](#)      **66 of 103**      **WNW/230.4**      **314.0**      **OWENS-CORNING CANADA INC. 15-022**      **GEN**  
**GUELPH GLASS PLANT 247 YORK ROAD**  
**GUELPH ON N1E 3G4**

Generator #: ON0002700  
Approval Yrs: 94  
SIC Code: 3562  
SIC Description: GLASS PRODUCTS IND.

--- Details ---

Waste Code: 113  
Waste Description: ACID WASTE - OTHER METALS  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 231  
Waste Description: LATEX WASTES  
+  
Waste Code: 232  
Waste Description: POLYMERIC RESINS  
+  
Waste Code: 233  
Waste Description: OTHER POLYMERIC WASTES  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+  
Waste Code: 243  
Waste Description: PCB'S  
+  
Waste Code: 251  
Waste Description: OIL SKIMMINGS & SLUDGES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS







Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		312			
Waste Description:		Pathological wastes			
+					
Waste Code:		122			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
+					
Waste Code:		221			
Waste Description:		Light fuels			
+					
Waste Code:		263			
Waste Description:		Misc. waste organic chemicals			
+					
Waste Code:		145			
Waste Description:		Wastes from the use of pigments, coatings and paints			
+					
Waste Code:		148			
Waste Description:		Misc. wastes and inorganic chemicals			
+					
Waste Code:		243			
Waste Description:		PCB			
+					
Waste Code:		331			
Waste Description:		Waste compressed gases including cylinders			

[19](#)      **69 of 103**      **WNW/230.4**      **314.0**      **OWENS-CORNING CANADA INC.**      **GEN**  
**247 YORK ROAD**  
**GUELPH ON N1H 6P6**

Generator #: ON0002700  
Approval Yrs: 92,93,96,97,98,99,00,01,02,03,04,05  
SIC Code: 3562  
SIC Description: GLASS PRODUCTS IND.

--- Details ---

Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 268  
Waste Description: AMINES  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 331  
Waste Description: WASTE COMPRESSED GASES  
+  
Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS  
+  
Waste Code: 113  
Waste Description: ACID WASTE - OTHER METALS  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		135			
Waste Description:		REACTIVE ANION WASTES			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		150			
Waste Description:		INERT INORGANIC WASTES			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		231			
Waste Description:		LATEX WASTES			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		233			
Waste Description:		OTHER POLYMERIC WASTES			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		243			
Waste Description:		PCB'S			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

**19**      **70 of 103**      **WNW/230.4**      **314.0**      **OWENS CORNING CANADA INC.**      **NPCB**  
**247 YORK ROAD South west corner of the**  
**plant**  
**Guelph ON N1E 3G4**

Company Code:            00373C  
Transaction Date:        12/19/2001  
Inspection Date:  
Industry:                    Textile  
Site Status:                Stored for Disposal

--- Details ---

Label:  
No. of Items:  
Contents:  
Serial No.:  
Item/State:  
Status:                      Stored for disposal  
PCB Type/Code:            Askarel/Askarel

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Location: Manufacturer:					
<a href="#">19</a>	71 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA GUELPH TEXTILE PLANT; 247 YORK ROAD GUELPH ON N1E 3G4</b>	<b>NPCB</b>
Company Code:		O0373C			
Transaction Date:		9/6/1990			
Inspection Date:					
Industry:		Textile			
Site Status:					
<a href="#">19</a>	72 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC. 247 YORK ROAD YORK ROAD GUELPH ON N1E 3G4</b>	<b>NPCB</b>
Company Code:		F0506			
Transaction Date:					
Inspection Date:					
Industry:					
Site Status:					
--- Details ---					
Label:					
No. of Items:					
Contents:					
Serial No.:					
Item/State:					
Status:		In-Storage			
PCB Type/Code:					
Location:					
Manufacturer:					
<a href="#">19</a>	73 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC. P.O. BOX 3603; 247 YORK ROAD GUELPH ON N1E 3G4</b>	<b>NPCB</b>
Company Code:		F0527			
Transaction Date:		1/29/1996			
Inspection Date:					
Industry:					
Site Status:					
--- Details ---					
Label:					
No. of Items:					
Contents:		0.00 KG			
Serial No.:					
Item/State:					
Status:		Stored for Disposal			
PCB Type/Code:		Askarel			
Location:					
Manufacturer:					
+					
Label:					
No. of Items:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Contents:		150.00 KG			
Serial No.:					
Item/State:					
Status:		Stored for Disposal			
PCB Type/Code:		High > 10,000 ppm			
Location:					
Manufacturer:					
+					
Label:					
No. of Items:					
Contents:		200.00 KG			
Serial No.:					
Item/State:					
Status:		Stored for Disposal			
PCB Type/Code:		Askarel			
Location:					
Manufacturer:					

[19](#)      **74 of 103**      **WNW/230.4**      **314.0**      **OWENS-CORNING CANADA INC.**      **NPCB**  
**247 YORK ROAD**  
**GUELPH ON N1E 3G4**

Company Code: F0382  
Transaction Date:  
Inspection Date:  
Industry:  
Site Status:

--- Details ---

Label:  
No. of Items:  
Contents: 0.00 KG  
Serial No.:  
Item/State:  
Status: Stored for Disposal  
PCB Type/Code: Askarel  
Location:  
Manufacturer:  
+  
Label:  
No. of Items:  
Contents: 150.00 KG  
Serial No.:  
Item/State:  
Status: Stored for Disposal  
PCB Type/Code: Low 50 - 10,000 ppm  
Location:  
Manufacturer:

[19](#)      **75 of 103**      **WNW/230.4**      **314.0**      **FIBERGLAS CANADA INC**      **NPCB**  
**247 YORK ROAD**  
**GUELPH ON N1E 3G4**

Company Code: F0368  
Transaction Date:  
Inspection Date:  
Industry:  
Site Status:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">19</a>	76 of 103	WNW/230.4	314.0	OWENS CORNING CANADA INC. 247 YORK ROAD YORK ROAD GUELPH ON N1E 3G4	NPCB
Company Code:		O0373C			
Transaction Date:					
Inspection Date:					
Industry:					
Site Status:					
--- Details ---					
Label:					
No. of Items:					
Contents:					
Serial No.:					
Item/State:					
Status:		In-Use			
PCB Type/Code:					
Location:					
Manufacturer:					

<a href="#">19</a>	77 of 103	WNW/230.4	314.0	OWENS CORNING CANADA INC. SOUTH WEST CORNER OF THE PLANT 247 YORK ROAD GUELPH ON N1E 3G4	NPCB
Company Code:		O0373C			
Transaction Date:		5/7/1999			
Inspection Date:					
Industry:		TEXTILE			
Site Status:		STORAGE ONLY (NON FEDERAL)			
--- Details ---					
Label:		OR05179			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:					
Manufacturer:					
+					
Label:		OR05183			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:					
Manufacturer:					
+					
Label:		OR05182			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Location:					
Manufacturer:					
+					
Label:		OR05181			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:					
Manufacturer:					
+					
Label:		OR05186			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:					
Manufacturer:					
+					
Label:		OR05185			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:					
Manufacturer:					
+					
Label:		OR05180			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:					
Manufacturer:					
+					
Label:		OR05184			
No. of Items:		1			
Contents:		4.9 L			
Serial No.:					
Item/State:		CAPACITOR/FULL			
Status:		STORED FOR DISPOSAL			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:					
Manufacturer:					

**19**      **78 of 103**      **WNW/230.4**      **314.0**      **OWENS-CORNING CANADA INC.**      **OPCB**  
**P.O. BOX 3603 247 YORK ROAD**  
**GUELPH ON N1E 3G4**

Year: 1998  
Site Number: 20295A025

--- Details ---

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Quantity: Description: +		1.90 Weight of Other Material Not in Drums with Low Level PCBs (< 1000 ppm) kg			
Quantity: Description: +		103.00 Number of Capacitors with High Level PCBs (>1000 ppm)			
Quantity: Description:		1880.00 Weight of Capacitors with High Level PCBs (>1000 ppm) kg			
<a href="#">19</a>	79 of 103	WNW/230.4	314.0	<b>OWENS-CORNING CANADA INC. 247 YORK ROAD GUELPH ON N1E 3G4</b>	<b>OPCB</b>
Year: Site Number:		1995 20285A083			
--- Details ---					
Quantity: Description: +		103.00 Number of Capacitors with High Level PCBs (>1000 ppm)			
Quantity: Description:		1880.00 Weight of Capacitors with High Level PCBs (>1000 ppm) kg			
<a href="#">19</a>	80 of 103	WNW/230.4	314.0	<b>FIBERGLASS CANADA INC. 247 YORK RD. GUELPH ON N1E 3G4</b>	<b>REC</b>
Receiver #: Facility Type: Approval Yrs:		202-85A083 PCB STORAGE SITE 01,02,03,04,05,06,07,08			
--- Details ---					
Waste Code: Waste Description:		243 PCB'S			
<a href="#">19</a>	81 of 103	WNW/230.4	314.0	<b>FIBERGLASS CANADA INC. 247 YORK RD. GUELPH ON N1E 3G4</b>	<b>REC</b>
Receiver #: Facility Type: Approval Yrs:		202-85A083 TRANSFER STATION 87,88,89,90,92,94,95,96,97,98,99,00			
--- Details ---					
Waste Code: Waste Description:		243 PCB'S			
<a href="#">19</a>	82 of 103	WNW/230.4	314.0	<b>Owens Corning Canada 247 York Rd Guelph ON N1E 3G4</b>	<b>SCT</b>
Established: Plant Size (ft²): Employment:		7/1/1951 350000			
--- Details ---					
SIC/NAICS Code: Description:		327990 All Other Non-Metallic Mineral Product Manufacturing			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">19</a>	83 of 103	WNW/230.4	314.0	OWENS-CORNING CANADA 247 YORK RD GUELPH ON N1E 3G4	SCT
Established:		1951			
Plant Size (ft²):		35000			
Employment:		350			
--- Details ---					
SIC/NAICS Code:		3296			
Description:		MINERAL WOOL			
<a href="#">19</a>	84 of 103	WNW/230.4	314.0	OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH CITY ON N1E 3G4	SPL
Ref No.:		195312			
Incident Dt:		2/21/2001			
MOE Reported Dt:		2/21/2001			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		OWENS CORNING:SPILL OF 4 L WASTEWATER TO CITY OF GUELPH PROPERTY.			
Incident Cause:		OTHER CAUSE (N.O.S.)			
Incident Reason:		OTHER			
Nature of Impact:		Soil contamination			
Receiving Medium:		Land			
Environmental Impact:		Possible			
<a href="#">19</a>	85 of 103	WNW/230.4	314.0	OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1 247 YORK ROAD GUELPH CITY ON N1E 3G4	SPL
Ref No.:		132778			
Incident Dt:		10/6/1996			
MOE Reported Dt:		10/7/1996			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		OWENS CORNING-405L SILICA& CLAY TO ROOF FROM A BROKEN PIPE.			
Incident Cause:		PIPE/HOSE LEAK			
Incident Reason:		EQUIPMENT FAILURE			
Nature of Impact:					
Receiving Medium:		LAND			
Environmental Impact:		NOT ANTICIPATED			
<a href="#">19</a>	86 of 103	WNW/230.4	314.0	ALPHA OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1 247 YORK ROAD GUELPH CITY ON N1E 3G4	SPL
Ref No.:		211103			
Incident Dt:		9/9/2001			
MOE Reported Dt:		9/9/2001			
Contaminant Name:					
Contaminant Quantity:					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>Incident Summary:</i>		OWENS CORNING-20 KG DUST TO ROOF,SOME TO ATM,LEAK IN PROCESS UNIT.			
<i>Incident Cause:</i>		OTHER CONTAINER LEAK			
<i>Incident Reason:</i>		UNKNOWN			
<i>Nature of Impact:</i>		Air Pollution			
<i>Receiving Medium:</i>		Air, Land			
<i>Environmental Impact:</i>		Possible			
<a href="#">19</a>	<b>87 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>OWENS CORNING CANADA 247 YORK RD GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH ON N1E 3G4</b>	<b>SPL</b>
<i>Ref No.:</i>		190062			
<i>Incident Dt:</i>		11/8/2000			
<i>MOE Reported Dt:</i>		11/8/2000			
<i>Contaminant Name:</i>					
<i>Contaminant Quantity:</i>					
<i>Incident Summary:</i>		OWENS CORNING: SPILL OF SMALL AMT FOAM FROM WWTP TO NEIGHBOURING PARK.			
<i>Incident Cause:</i>		CONTAINER OVERFLOW			
<i>Incident Reason:</i>		OTHER			
<i>Nature of Impact:</i>		Soil contamination			
<i>Receiving Medium:</i>		LAND			
<i>Environmental Impact:</i>		POSSIBLE			
<a href="#">19</a>	<b>88 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>SPL</b>
<i>Ref No.:</i>		126806			
<i>Incident Dt:</i>		5/22/1996			
<i>MOE Reported Dt:</i>		5/22/1996			
<i>Contaminant Name:</i>					
<i>Contaminant Quantity:</i>					
<i>Incident Summary:</i>		OWENS CORNING-150 KG CFC-11 TO ATMOSPHERE FROM CHILLER,VALVE FAILURE.			
<i>Incident Cause:</i>		VALVE/FITTING LEAK OR FAILURE			
<i>Incident Reason:</i>		EQUIPMENT FAILURE			
<i>Nature of Impact:</i>		Air Pollution			
<i>Receiving Medium:</i>		AIR			
<i>Environmental Impact:</i>		POSSIBLE			
<a href="#">19</a>	<b>89 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>Owens-Corning Canada Inc. 247 York Road Guelph ON N1E 3G4</b>	<b>SPL</b>
<i>Ref No.:</i>		1073-5T9S3W			
<i>Incident Dt:</i>		11/13/2003			
<i>MOE Reported Dt:</i>		11/13/2003			
<i>Contaminant Name:</i>		ALUMINA DUST			
<i>Contaminant Quantity:</i>		other - see incident description			
<i>Incident Summary:</i>		Owens Corning,5 Gal particulate spill to asphalt			
<i>Incident Cause:</i>		Pipe Or Hose Leak			
<i>Incident Reason:</i>		Equipment Failure			
<i>Nature of Impact:</i>		Soil Contamination			
<i>Receiving Medium:</i>		Land			
<i>Environmental Impact:</i>		Possible			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<a href="#">19</a>	90 of 103	WNW/230.4	314.0	<b>OWENS CORNING CANADA 247 YORK RD. GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>SPL</b>
<p>Ref No.: 103852  Incident Dt: 8/11/1994  MOE Reported Dt: 8/11/1994  Contaminant Name:  Contaminant Quantity:  Incident Summary: OWENS CORNING CANADA: 4 MIN. BURNT LATEX EMISSIONTO ATMOSPHERE.  Incident Cause: PROCESS UPSET  Incident Reason: FIRE/EXPLOSION  Nature of Impact: Air Pollution  Receiving Medium: AIR  Environmental Impact: POSSIBLE</p>					
<a href="#">19</a>	91 of 103	WNW/230.4	314.0	<b>Owens Corning Canada Inc. 247 York Rd Guelph ON N1E 3G4</b>	<b>SPL</b>
<p>Ref No.: 2074-769M2C  Incident Dt:  MOE Reported Dt: 8/20/2007  Contaminant Name: DUST (N.O.S.)  Contaminant Quantity: 5 kg  Incident Summary: Owens: ~ 5kgs of airborne dust due to leak in pipe.  Incident Cause: Pipe Or Hose Leak  Incident Reason: Equipment Failure - Malfunction of system components  Nature of Impact: Air Pollution  Receiving Medium: Air  Environmental Impact: Confirmed</p>					
<a href="#">19</a>	92 of 103	WNW/230.4	314.0	<b>Owens Corning Composite Materials Canada GP Inc. 247 York Rd Guelph ON N1E 3G4</b>	<b>SPL</b>
<p>Ref No.: 6065-7ZDPXV  Incident Dt:  MOE Reported Dt: 1/4/2010  Contaminant Name: Clayl  Contaminant Quantity: 100 kg  Incident Summary: Owens Corning: 50-100kg clay to ground, cln.  Incident Cause: Other Discharges  Incident Reason:  Nature of Impact: Soil Contamination  Receiving Medium:  Environmental Impact: Possible</p>					
<a href="#">19</a>	93 of 103	WNW/230.4	314.0	<b>OWENS CORNING CANADA GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>SPL</b>

Map Key	Number of Records	Direction/Distance m	Elevation m	Site	DB
Ref No.:		140489			
Incident Dt:		5/7/1997			
MOE Reported Dt:		5/7/1997			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		OWENS CORNING: DOWSE		WATER SPILLED TO SPEED RIVER.	
Incident Cause:				WASTEWATER DISCHARGE TO WATERCOURSE	
Incident Reason:				FIRE/EXPLOSION	
Nature of Impact:				Water course or lake	
Receiving Medium:				WATER	
Environmental Impact:				POSSIBLE	
<a href="#">19</a>	<b>94 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>SPL</b>
Ref No.:		119409			
Incident Dt:		10/6/1995			
MOE Reported Dt:		10/6/1995			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		OWENS CORNING - 2 KG OF CLAY TO CREEK VIA STORM SEWER.			
Incident Cause:				WASTEWATER DISCHARGE TO WATERCOURSE	
Incident Reason:				UNKNOWN	
Nature of Impact:				Water course or lake	
Receiving Medium:				WATER	
Environmental Impact:				CONFIRMED	
<a href="#">19</a>	<b>95 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>SPL</b>
Ref No.:		123330			
Incident Dt:		2/2/1996			
MOE Reported Dt:		2/4/1996			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		OWENS-CORNING CANADA INC:POWDERED FEED STOCK TO		ROOF OF PLANT	
Incident Cause:				PROCESS UPSET	
Incident Reason:				EQUIPMENT FAILURE	
Nature of Impact:					
Receiving Medium:				LAND	
Environmental Impact:				NOT ANTICIPATED	
<a href="#">19</a>	<b>96 of 103</b>	<b>WNW/230.4</b>	<b>314.0</b>	<b>ALPHA OWENS CORNING CANADA 247 YORK RD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>SPL</b>
Ref No.:		160133			
Incident Dt:		9/16/1998			
MOE Reported Dt:		9/16/1998			
Contaminant Name:					
Contaminant Quantity:					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>Incident Summary:</i>		OWENS-CORNING-CALCIUM OX-IDE POWDER TO ATM, SOME OFF-SITE. ONGOING.			
<i>Incident Cause:</i>		OTHER CONTAINER LEAK			
<i>Incident Reason:</i>		EQUIPMENT FAILURE			
<i>Nature of Impact:</i>		Air Pollution			
<i>Receiving Medium:</i>		LAND / AIR			
<i>Environmental Impact:</i>		CONFIRMED			
<a href="#">19</a>	97 of 103	WNW/230.4	314.0	<b>FIBERGLAS CANADA INC. GUELPH PLANT 247 YORK ROAD GUELPH CITY ON N1E 3G4</b>	<b>SPL</b>
<i>Ref No.:</i>		79723			
<i>Incident Dt:</i>		4/17/1995			
<i>MOE Reported Dt:</i>		4/17/1995			
<i>Contaminant Name:</i>					
<i>Contaminant Quantity:</i>					
<i>Incident Summary:</i>		FIBERGLAS CANADA -100KG CRYSTALLINE SILICA TO PAVEMENT: CLEANED UP			
<i>Incident Cause:</i>		PIPE/HOSE LEAK			
<i>Incident Reason:</i>		OVERSTRESS/OVERPRESSURE			
<i>Nature of Impact:</i>		Air Pollution			
<i>Receiving Medium:</i>		LAND			
<i>Environmental Impact:</i>		NOT ANTICIPATED			
<a href="#">19</a>	98 of 103	WNW/230.4	314.0	<b>Owens Corning Composite Materials Canada GP Inc. 247 York Rd Guelph ON N1E 3G4</b>	<b>SPL</b>
<i>Ref No.:</i>		6424-87RSP2			
<i>Incident Dt:</i>					
<i>MOE Reported Dt:</i>		7/27/2010			
<i>Contaminant Name:</i>		DUST			
<i>Contaminant Quantity:</i>		0 other - see incident description			
<i>Incident Summary:</i>		Owens Corning: Dust released to atm			
<i>Incident Cause:</i>					
<i>Incident Reason:</i>					
<i>Nature of Impact:</i>					
<i>Receiving Medium:</i>					
<i>Environmental Impact:</i>					
<a href="#">19</a>	99 of 103	WNW/230.4	314.0	<b>Owens Corning 247 York Rd Guelph ON N1E 3G4</b>	<b>SPL</b>
<i>Ref No.:</i>		8386-7ZMLWV			
<i>Incident Dt:</i>					
<i>MOE Reported Dt:</i>		1/12/2010			
<i>Contaminant Name:</i>		DUST			
<i>Contaminant Quantity:</i>		0 other - see incident description			
<i>Incident Summary:</i>		Owens Corning: Dust emission every 8 min for 8 sec.			
<i>Incident Cause:</i>		Process Upset			
<i>Incident Reason:</i>		Spill			
<i>Nature of Impact:</i>		Air Pollution			
<i>Receiving Medium:</i>					
<i>Environmental Impact:</i>		Not Anticipated			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">19</a>	100 of 103	WNW/230.4	314.0	OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	SPL
<p>Ref No.: 127978  Incident Dt: 6/15/1996  MOE Reported Dt: 6/17/1996  Contaminant Name:  Contaminant Quantity:  Incident Summary: OWENS CORNING-5 GAL SAND TO GND; SMALL QTY TO ATM POSSIBLY OFF SITE.  Incident Cause: PIPE/HOSE LEAK  Incident Reason: UNKNOWN  Nature of Impact: Air Pollution  Receiving Medium: AIR  Environmental Impact: POSSIBLE</p>					
<a href="#">19</a>	101 of 103	WNW/230.4	314.0	OWENS CORNING CANADA 247 YORK ROAD GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON N1E 3G4	SPL
<p>Ref No.: 131757  Incident Dt: 9/12/1996  MOE Reported Dt: 9/12/1996  Contaminant Name:  Contaminant Quantity:  Incident Summary: OWENS-CORNING CANADA- PARTICULATE RELEASE FROM STACK TO 20 EMPLOYEE CARS  Incident Cause: OTHER CAUSE (N.O.S.)  Incident Reason: OTHER  Nature of Impact:  Receiving Medium: AIR  Environmental Impact: CONFIRMED</p>					
<a href="#">19</a>	102 of 103	WNW/230.4	314.0	Owens Corning Canada Inc. 247 York Road Guelph ON N1E 3G4	SPL
<p>Ref No.: 3854-5SXRKF  Incident Dt: 11/3/2003  MOE Reported Dt: 11/3/2003  Contaminant Name: Hydrous Aluminum Silicate  Contaminant Quantity: 9090.909090909 Kg  Incident Summary: Owens Corning: Kaoin 10-20,000 lbs-grnd  Incident Cause: Other Discharges  Incident Reason: Other - Reason not otherwise defined  Nature of Impact: Air Pollution; Human Health/Safety; Soil Contamination  Receiving Medium: Air &amp; Land  Environmental Impact: Possible</p>					
<a href="#">19</a>	103 of 103	WNW/230.4	314.0	OWENS CORNING CANADA WATERWORKS PLACE GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH CITY ON N1E 3G4	SPL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Ref No.:		224482			
Incident Dt:		4/29/2002			
MOE Reported Dt:		4/29/2002			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		OWENS CORNING CANADA: WATER & CLAY OFF PROPERTY TO OPEN DITCH CONTAINED			
Incident Cause:		WASTEWATER DISCHARGE TO WATERCOURSE			
Incident Reason:		CARELESS APPLICATION			
Nature of Impact:		Water course or lake			
Receiving Medium:		WATER			
Environmental Impact:		POSSIBLE			

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<a href="#">20</a>	1 of 21	WNW/242.4	314.0	<b>Owens-Corning Guelph Glass Plant</b>	<b>NPRI</b>
				<b>Guelph ON</b>	

NPRI #: 0000003287  
Year: 1993  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air: 0  
Water: 0  
Land: 0  
Units: tonnes

Substances Released:

+  
Air: 6.105  
Water: 0  
Land: 0  
Units: tonnes

Substances Released:

+  
Air: 0  
Water: 0  
Land: 0  
Units: tonnes

Substances Released:

+  
Air: 5.267  
Water: 0  
Land: 0  
Units: tonnes

Substances Released:

---

<a href="#">20</a>	2 of 21	WNW/242.4	314.0	<b>OWENS-CORNING CANADA</b>	<b>NPRI</b>
				<b>247 York Road</b>	
				<b>Guelph ON N1H6P6</b>	

NPRI #: 0000003287  
Year: 2005  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air: 11.36  
Water:  
Land:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			
+					
Air:		58.3			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.026			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Calcium oxide			
+					
Air:		.208			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		10.07			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		.031			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
+					
Air:		125.54399999999998			
Water:					
Land:					
Units:		kg			
Substances Released:		Hexavalent chromium (and its compounds)			
+					
Air:		15.4			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			

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WNW/242.4

314.0

Owens Corning Composite Materials  
Canada LP  
247 York Road  
Guelph ON N1H6P6

NPRI

NPRI #: 0000003287  
Year: 2012  
Longitude: -80.2324  
Latitude: 43.5447

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Air:		12.207			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		57.458			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.2147			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		13.5774			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			
+					
Air:		33.3807			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.006			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			

[20](#)

4 of 21

WNW/242.4

314.0

Owens-Corning Canada Inc.  
247 York Road P.O. Box 3603  
Guelph ON N1H 6P6

NPRI

NPRI #: 0000003287  
Year: 1997  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: 1.43  
Water:



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land: Units: Substances Released:		tonnes			

<a href="#">20</a>	5 of 21	WNW/242.4	314.0	OWENS-CORNING CANADA 247 York Road Guelph ON N1H6P6	NPRI
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NPRI #: 0000003287  
Year: 2006  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air: 13.3  
Water:  
Land:  
Units: tonnes  
Substances Released: PM10 - Particulate Matter <= 10 Microns

+  
Air: 57.5  
Water:  
Land:  
Units: tonnes  
Substances Released: Nitrogen oxides (expressed as NO2)

+  
Air: .036  
Water:  
Land:  
Units: tonnes  
Substances Released: Calcium oxide

+  
Air: .208  
Water:  
Land:  
Units: tonnes  
Substances Released: Hydrochloric acid

+  
Air: 11.8  
Water:  
Land:  
Units: tonnes  
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns

+  
Air: 10.79  
Water:  
Land:  
Units: tonnes  
Substances Released: Methanol

+  
Air: 24.8  
Water:  
Land:  
Units: tonnes  
Substances Released: Sulphur dioxide

+  
Air: .031  
Water:  
Land:  
Units: tonnes  
Substances Released: Chromium (and its compounds)

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Air:		125.54399999999998			
Water:					
Land:					
Units:		kg			
Substances Released:		Hexavalent chromium (and its compounds)			
+					
Air:		20.4			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			
<a href="#">20</a>	6 of 21	WNW/242.4	314.0	Owens-Corning Canada Inc. 247 York Road P.O. Box 3603 Guelph ON N1H 6P6	NPRI
NPRI #:		0000003287			
Year:		2000			
Longitude:		-80.2324			
Latitude:		43.5447			
---	Details	---			
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
<a href="#">20</a>	7 of 21	WNW/242.4	314.0	Owens-Corning Guelph Glass Plant 247 York Road Box 3603 Guelph ON N1H 6P6	NPRI
NPRI #:		0000003287			
Year:		1995			
Longitude:		-80.2324			
Latitude:		43.5447			
---	Details	---			
Air:		15.11			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		7.728			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
<a href="#">20</a>	8 of 21	WNW/242.4	314.0	<b>OWENS-CORNING CANADA</b> 247 York Road Guelph ON N1H6P6	<a href="#">NPRI</a>
NPRI #:		0000003287			
Year:		2004			
Longitude:		-80.2324			
Latitude:		43.5447			
--- Details ---					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrous oxide			
+					
Air:		62.504000000000005			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon dioxide			
+					
Air:		.036			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Calcium oxide			
+					
Air:		.004			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Magnesium oxide			
+					
Air:		.2			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Air:		12.624999999999998			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		5.029			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Acetic acid			
+					
Air:		39.309			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.001			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Titanium (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		HFC-134a Hydrofluorocarbon			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methane			
+					
Air:		.032			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
+					
Air:		125.543999999999998			
Water:					
Land:					
Units:		kg			
Substances Released:		Hexavalent chromium (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM - Total Particulate Matter			
+					
Air:		13.985			
Water:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			
+					
Air:		25.261000000000003			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			

[20](#)      **9 of 21**      **WNW/242.4**      **314.0**      **OWENS-CORNING CANADA**      **NPRI**  
**247 York Road**  
**Guelph ON N1H6P6**

NPRI #: 0000003287  
Year: 2008  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air: 14.602  
Water:  
Land:  
Units: tonnes  
Substances Released: PM10 - Particulate Matter <= 10 Microns  
+  
Air: 57.911  
Water:  
Land:  
Units: tonnes  
Substances Released: Nitrogen oxides (expressed as NO2)  
+  
Air: .194  
Water:  
Land:  
Units: tonnes  
Substances Released: Hydrochloric acid  
+  
Air: 13.234  
Water:  
Land:  
Units: tonnes  
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns  
+  
Air: 24.556  
Water:  
Land:  
Units: tonnes  
Substances Released: Sulphur dioxide  
+  
Air: .022  
Water:  
Land:  
Units: tonnes  
Substances Released: Chromium (and its compounds)  
+  
Air: 86.058  
Water:  
Land:  
Units: kg  
Substances Released: Hexavalent chromium (and its compounds)

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">20</a>	10 of 21	WNW/242.4	314.0	<b>OWENS-CORNING CANADA</b> 247 York Road Guelph ON N1H6P6	<a href="#">NPRI</a>
NPRI #:		0000003287			
Year:		2007			
Longitude:		-80.2324			
Latitude:		43.5447			
--- Details ---					
Air:		14.9			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			
+					
Air:		57.9			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.207			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		13.5			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		26.2			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.031			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
+					
Air:		125.54399999999998			
Water:					
Land:					
Units:		kg			
Substances Released:		Hexavalent chromium (and its compounds)			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">20</a>	11 of 21	WNW/242.4	314.0	<b>OWENS CORNING COMPOSITE MATERIALS CANADA LP 247 York Road Guelph ON N1H6P6</b>	<b>NPRI</b>

NPRI #: 0000003287  
Year: 2013  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air: 59.5675  
Water:  
Land:  
Units: tonnes  
Substances Released: Nitrogen oxides (expressed as NO2)  
+  
Air: 12.7928  
Water:  
Land:  
Units: tonnes  
Substances Released: PM10 - Particulate Matter <= 10 Microns  
+  
Air: 11.4799  
Water:  
Land:  
Units: tonnes  
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns  
+  
Air: .2005  
Water:  
Land:  
Units: tonnes  
Substances Released: Hydrochloric acid  
+  
Air: .006  
Water:  
Land:  
Units: tonnes  
Substances Released: Chromium (and its compounds)  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Sulphuric acid  
+  
Air: 31.1626  
Water:  
Land:  
Units: tonnes  
Substances Released: Sulphur dioxide

<a href="#">20</a>	12 of 21	WNW/242.4	314.0	<b>Owens-Corning Canada Inc. 247 York Road P.O. Box 3603 Guelph ON N1H 6P6</b>	<b>NPRI</b>
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NPRI #: 0000003287  
Year: 2002  
Longitude: -80.2324  
Latitude: 43.5447

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Air:			19.505000000000003		
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			
+					
Air:			64.257		
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:			11.543999999999999		
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:			35.426		
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
+					
Air:			347.3		
Water:					
Land:					
Units:		kg			
Substances Released:		Hexavalent chromium (and its compounds)			
+					
Air:			12.584999999999999		
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			

[20](#)

13 of 21

WNW/242.4

314.0

Owens-Corning Canada Inc.  
247 York Road P.O. Box 3603  
Guelph ON N1H 6P6

NPRI

NPRI #:

0000003287

179

[erisinfo.com](http://erisinfo.com) | EcoLog ERIS Ltd.  
Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Year:		1996			
Longitude:		-80.2324			
Latitude:		43.5447			
--- Details ---					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		1.25			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		1.51			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
<a href="#">20</a>	14 of 21	WNW/242.4	314.0	Owens-Corning Canada Inc. 247 York Road P.O. Box 3603 Guelph ON N1H 6P6	NPRI
NPRI #:		0000003287			
Year:		1998			
Longitude:		-80.2324			
Latitude:		43.5447			
--- Details ---					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.236			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
<a href="#">20</a>	15 of 21	WNW/242.4	314.0	OWENS-CORNING CANADA 247 York Road Guelph ON N1H6P6	NPRI
NPRI #:		0000003287			
Year:		2009			
Longitude:		-80.2324			
Latitude:		43.5447			
--- Details ---					
Air:		11.729000000000001			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Air:		50.252			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.113			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:		10.36			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		12.929			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.007			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
+					
Air:		23.11			
Water:					
Land:					
Units:		kg			
Substances Released:		Hexavalent chromium (and its compounds)			

[20](#)

16 of 21

WNW/242.4

314.0

Owens Corning Composite Materials  
Canada LP  
247 York Road  
Guelph ON N1H6P6

[NPRI](#)

NPRI #: 0000003287  
Year: 2011  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air: 13.590300000000001  
Water:  
Land:  
Units: tonnes  
Substances Released: PM10 - Particulate Matter <= 10 Microns  
+  
Air: 12.224200000000002  
Water:  
Land:  
Units: tonnes  
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns  
+  
Air: 58.7445

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.2184			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		37.1646			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.006			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
<a href="#">20</a>	17 of 21	WNW/242.4	314.0	Owens-Corning Canada Inc. 247 York Road P.O. Box 3603 Guelph ON N1H 6P6	NPRI
NPRI #:		0000003287			
Year:		2001			
Longitude:		-80.2324			
Latitude:		43.5447			
--- Details ---					
Air:		11.266			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
<a href="#">20</a>	18 of 21	WNW/242.4	314.0	Owens-Corning Canada Inc. 247 York Road Guelph ON N1H6P6	NPRI

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
NPRI #:		0000003287			
Year:		2003			
Longitude:		-80.2324			
Latitude:		43.5447			
--- Details ---					
Air:		24.85			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			
+					
Air:		71.57799999999999			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		12.821			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		39.248000000000005			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
+					
Air:		393.52			
Water:					
Land:					
Units:		kg			
Substances Released:		Hexavalent chromium (and its compounds)			
+					
Air:		14.17			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">20</a>	19 of 21	WNW/242.4	314.0	Owens-Corning Guelph Glass Plant 247 York Road Box 3603 Guelph ON N1H 6P6	NPRI

NPRI #: 0000003287  
Year: 1994  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: 7.6850000000000005  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:

<a href="#">20</a>	20 of 21	WNW/242.4	314.0	Owens-Corning Canada Inc. 247 York Road P.O. Box 3603 Guelph ON N1H 6P6	NPRI
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NPRI #: 0000003287  
Year: 1999  
Longitude: -80.2324  
Latitude: 43.5447

--- Details ---

Air: .236  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:

<a href="#">20</a>	21 of 21	WNW/242.4	314.0	Owens Corning Composite Materials Canada LP 247 York Road Guelph ON N1H6P6	NPRI
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NPRI #: 0000003287  
Year: 2010  
Longitude: -80.2324  
Latitude: 43.5447

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Air:		14.7857			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			
+					
Air:		13.419300000000002			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		59.1825			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.2046			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		34.861			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.0109			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			

<b><u>21</u></b>	<b>1 of 19</b>	<b>NNW/221.5</b>	<b>314.0</b>	<b>NGF Canada Limited</b>	<b>CA</b>
				<b>255 York Rd</b>	
				<b>Guelph ON N1E 3G4</b>	

Certificate #: 5214-6XTSFD  
 Application Year: 2007  
 Issue Date: 1/31/2007  
 Approval Type: Air  
 Status: Revoked and/or Replaced  
 Application Type:  
 Client Name:  
 Client Address:  
 Client City:  
 Client Postal Code:  
 Project Description:  
 Contaminants:  
 Emission Control:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<a href="#">21</a>	2 of 19	NNW/221.5	314.0	<b>NGF Canada Limited 255 York Rd Guelph ON N1E 3G4</b>	CA
<p>Certificate #: 7469-7FJJ59  Application Year: 2008  Issue Date: 6/12/2008  Approval Type: Air  Status: Revoked and/or Replaced  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description:  Contaminants:  Emission Control:</p>					
<a href="#">21</a>	3 of 19	NNW/221.5	314.0	<b>NGF CANADA LIMITED 255 YORK ROAD GUELPH CITY ON N1E 3G4</b>	CA
<p>Certificate #: 8-2019-96-  Application Year: 96  Issue Date: 4/1/1996  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: AMMONIUM HYDROXIDE PROCESS TANK VENT  Contaminants:  Emission Control:</p>					
<a href="#">21</a>	4 of 19	NNW/221.5	314.0	<b>NGF Canada Limited 255 York Road Guelph ON N1E 3G4</b>	CA
<p>Certificate #: 0835-6PVLHU  Application Year: 2006  Issue Date: 8/30/2006  Approval Type: Air  Status: Revoked and/or Replaced  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description:  Contaminants:  Emission Control:</p>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<a href="#">21</a>	5 of 19	NNW/221.5	314.0	NGF Canada Limited 255 York Rd Guelph ON N1E 3G4	CA
<p>Certificate #: 5953-7NFMQ2  Application Year: 2009  Issue Date: 1/30/2009  Approval Type: Air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description:  Contaminants:  Emission Control:</p>					
<a href="#">21</a>	6 of 19	NNW/221.5	314.0	NGF Canada Limited 255 York Road Guelph ON N1E 3G4	CA
<p>Certificate #: 8-2127-89-006  Application Year: 2006  Issue Date: 3/23/2006  Approval Type: Air  Status: Revoked and/or Replaced  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description:  Contaminants:  Emission Control:</p>					
<a href="#">21</a>	7 of 19	NNW/221.5	314.0	NGF Canada Limited 255 York Road Guelph ON N1E 3G4	EBR
<p>Year: 2008  EBR Registry No.: 010-2598  Ministry Ref. No.: 4446-7AHLJN  Type: Instrument Decision  Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)  Proposal Date: January 23, 2008  Location: 255 York Road Guelph County of Wellington  Proponent Address: 255 York Road Guelph Ontario Canada N1E 3G4</p>					
<a href="#">21</a>	8 of 19	NNW/221.5	314.0	NGF Canada Limited 255 York Road Guelph ON N1E 3G4	EBR
<p>Year: 2005  EBR Registry No.: IA05E1436  Ministry Ref. No.: 8981-6EVJCN  Type: Instrument Decision</p>					



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>Instrument Type:</i>		Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9			
<i>Proposal Date:</i>					
<i>Location:</i>		255 York Road Guelph Ontario			
<i>Proponent Address:</i>		255 York Road Guelph Ontario N1E 3G4			
<a href="#"><u>21</u></a>	<b>9 of 19</b>	<b>NNW/221.5</b>	<b>314.0</b>	<b>NGF Canada Limited 255 York Road Guelph ON N1E 3G4</b>	<b>EBR</b>
<i>Year:</i>		2006			
<i>EBR Registry No.:</i>		IA06E1336			
<i>Ministry Ref. No.:</i>		6824-6UUS5K			
<i>Type:</i>		Instrument Decision			
<i>Instrument Type:</i>		Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9			
<i>Proposal Date:</i>					
<i>Location:</i>		255 York Road Guelph Ontario			
<i>Proponent Address:</i>		255 York Road Guelph Ontario N1E 3G4			
<a href="#"><u>21</u></a>	<b>10 of 19</b>	<b>NNW/221.5</b>	<b>314.0</b>	<b>NGF Canada Limited 255 York Road Guelph ON N1E 3G4</b>	<b>EBR</b>
<i>Year:</i>		2005			
<i>EBR Registry No.:</i>		IA05E1432			
<i>Ministry Ref. No.:</i>		5739-6FHKV7			
<i>Type:</i>		Instrument Decision			
<i>Instrument Type:</i>		Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9			
<i>Proposal Date:</i>					
<i>Location:</i>		255 York Road Guelph Ontario			
<i>Proponent Address:</i>		255 York Road Guelph Ontario N1E 3G4			
<a href="#"><u>21</u></a>	<b>11 of 19</b>	<b>NNW/221.5</b>	<b>314.0</b>	<b>NGF CANADA LIMITED 255 YORK ROAD GUELPH ON N1E 3G4</b>	<b>GEN</b>
<i>Generator #:</i>		ON2051900			
<i>Approval Yrs:</i>		2010			
<i>SIC Code:</i>		314990			
<i>SIC Description:</i>		All Other Textile Product Mills			
--- Details ---					
<i>Waste Code:</i>		146			
<i>Waste Description:</i>		OTHER SPECIFIED INORGANICS			
+					
<i>Waste Code:</i>		213			
<i>Waste Description:</i>		PETROLEUM DISTILLATES			
+					
<i>Waste Code:</i>		252			
<i>Waste Description:</i>		WASTE OILS & LUBRICANTS			
+					
<i>Waste Code:</i>		263			
<i>Waste Description:</i>		ORGANIC LABORATORY CHEMICALS			
+					
<i>Waste Code:</i>		231			
<i>Waste Description:</i>		LATEX WASTES			
+					
<i>Waste Code:</i>		122			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Waste Description:</i>		ALKALINE WASTES - OTHER METALS			
<a href="#">21</a>	12 of 19	<b>NNW/221.5</b>	<b>314.0</b>	<b>NGF CANADA LIMITED 255 YORK ROAD GUELPH ON N1E 3G4</b>	<b>GEN</b>
<i>Generator #:</i>		ON2051900			
<i>Approval Yrs:</i>		2009			
<i>SIC Code:</i>		314990			
<i>SIC Description:</i>		All Other Textile Product Mills			
<i>--- Details ---</i>					
<i>Waste Code:</i>		122			
<i>Waste Description:</i>		ALKALINE WASTES - OTHER METALS			
+					
<i>Waste Code:</i>		146			
<i>Waste Description:</i>		OTHER SPECIFIED INORGANICS			
+					
<i>Waste Code:</i>		213			
<i>Waste Description:</i>		PETROLEUM DISTILLATES			
+					
<i>Waste Code:</i>		231			
<i>Waste Description:</i>		LATEX WASTES			
+					
<i>Waste Code:</i>		252			
<i>Waste Description:</i>		WASTE OILS & LUBRICANTS			
+					
<i>Waste Code:</i>		263			
<i>Waste Description:</i>		ORGANIC LABORATORY CHEMICALS			
<a href="#">21</a>	13 of 19	<b>NNW/221.5</b>	<b>314.0</b>	<b>NGF CANADA LIMITED 255 YORK ROAD GUELPH ON N1E 3G4</b>	<b>GEN</b>
<i>Generator #:</i>		ON2051900			
<i>Approval Yrs:</i>		95,96,97,98,99,00,01,02,03,04,05,06,07,08			
<i>SIC Code:</i>		3562			
<i>SIC Description:</i>		GLASS PRODUCTS IND.			
<i>--- Details ---</i>					
<i>Waste Code:</i>		263			
<i>Waste Description:</i>		ORGANIC LABORATORY CHEMICALS			
+					
<i>Waste Code:</i>		122			
<i>Waste Description:</i>		ALKALINE WASTES - OTHER METALS			
+					
<i>Waste Code:</i>		131			
<i>Waste Description:</i>		NEUTRALIZED WASTES - HEAVY METALS			
+					
<i>Waste Code:</i>		146			
<i>Waste Description:</i>		OTHER SPECIFIED INORGANICS			
+					
<i>Waste Code:</i>		213			
<i>Waste Description:</i>		PETROLEUM DISTILLATES			
+					
<i>Waste Code:</i>		231			
<i>Waste Description:</i>		LATEX WASTES			
+					
<i>Waste Code:</i>		252			
<i>Waste Description:</i>		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">21</a>	14 of 19	NNW/221.5	314.0	NGF CANADA LIMITED 255 YORK RD GUELPH ON	GEN
Generator #:		ON2051900			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		122			
Waste Description:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
+					
Waste Code:		146			
Waste Description:		Other specified inorganic sludges, slurries or solids			
+					
Waste Code:		231			
Waste Description:		Latex wastes			
+					
Waste Code:		252			
Waste Description:		Waste crankcase oils and lubricants			
+					
Waste Code:		263			
Waste Description:		Misc. waste organic chemicals			
+					
Waste Code:		213			
Waste Description:		Petroleum distillates			
<a href="#">21</a>	15 of 19	NNW/221.5	314.0	NGF CANADA LIMITED 255 YORK ROAD GUELPH ON N1E 3G4	GEN
Generator #:		ON2051900			
Approval Yrs:		2011			
SIC Code:		314990			
SIC Description:		All Other Textile Product Mills			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		231			
Waste Description:		LATEX WASTES			
<a href="#">21</a>	16 of 19	NNW/221.5	314.0	NGF CANADA LIMITED 255 YORK ROAD	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
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**GUELPH ON N1E 3G4**

Generator #: ON2051900  
 Approval Yrs: 2012  
 SIC Code: 314990  
 SIC Description: All Other Textile Product Mills

--- Details ---

Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 146  
 Waste Description: OTHER SPECIFIED INORGANICS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 122  
 Waste Description: ALKALINE WASTES - OTHER METALS  
 +  
 Waste Code: 231  
 Waste Description: LATEX WASTES  
 +  
 Waste Code: 213  
 Waste Description: PETROLEUM DISTILLATES

<a href="#">21</a>	17 of 19	NNW/221.5	314.0	NGF CANADA 255 YORK Road GUELPH ON N1E3G4	NPRI
--------------------	----------	-----------	-------	---	------

NPRI #: 8800000582  
 Year: 2004  
 Longitude:  
 Latitude:

--- Details ---

Air:  
 Water:  
 Land:  
 Units: tonnes  
 Substances Released: PM - Total Particulate Matter  
 +  
 Air:  
 Water:  
 Land:  
 Units: tonnes  
 Substances Released: PM10 - Particulate Matter <= 10 Microns  
 +  
 Air:  
 Water:  
 Land:  
 Units: tonnes  
 Substances Released: Nitrous oxide  
 +  
 Air:  
 Water:  
 Land:  
 Units: tonnes  
 Substances Released: Nitrogen oxides (expressed as NO2)  
 +

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon dioxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.166			
Water:					
Land:					
Units:		tonnes			
Substances Released:		MSG#3 - Hydrotreated light paraffinic distillate			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		HFC-134a Hydrofluorocarbon			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methane			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			

[21](#)

18 of 19

NNW/221.5

314.0

NGF CANADA Limited  
255 York Rd  
Guelph ON N1E 3G4

SCT

Established: 01-JAN-95  
Plant Size (ft<sup>2</sup>): 65000  
Employment:

--- Details ---

SIC/NAICS Code: 416340  
Description: Paint, Glass and Wallpaper Wholesaler-Distributors

+  
SIC/NAICS Code: 418990

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Description:		All Other Wholesaler-Distributors			
+					
SIC/NAICS Code:		326290			
Description:		Other Rubber Product Manufacturing			
+					
SIC/NAICS Code:		327215			
Description:		Glass Product Manufacturing from Purchased Glass			
+					
SIC/NAICS Code:		326290			
Description:		Other Rubber Product Manufacturing			
<a href="#">21</a>	19 of 19	NNW/221.5	314.0	<b>N G F CANADA LIMITED 255 YORK RD GUELPH ON N1E 3G4</b>	<b>SCT</b>
Established:		1995			
Plant Size (ft²):		65000			
Employment:		32			
--- Details ---					
SIC/NAICS Code:		3089			
Description:		PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED			
<a href="#">22</a>	1 of 1	N/174.8	313.0	<b>ON</b>	<b>WWIS</b>
Well ID:		6700895		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562193.3		Northing Nad83:	
Zone:		17		Utm Reliability:	
Primary Water Use:		Not Used		Construction Date:	
Sec. Water Use:				Well Depth:	
Pump Rate:		60 GPM		Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:		Rotary (Convent.)		Flowing (y/n):	
Elevation (m):		313.74		Elevation Reliability:	
Depth to Bedrock:		81		Overburden/Bedrock:	
Water Type:		FRESH		Casing Material:	
--- Details ---					
Thickness:		BLUE		Original Depth:	
Material Colour:		CLAY		Material:	
+					
Thickness:		GREY		Original Depth:	
Material Colour:		LIMESTONE		Material:	
+					
Thickness:				Original Depth:	
Material Colour:		GRAVEL, CLAY		Material:	
+					
Thickness:				Original Depth:	
Material Colour:		GRAVEL		Material:	
+					
Thickness:				Original Depth:	
Material Colour:		CLAY, MEDIUM SAND		Material:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	BLUE			Original Depth:	26 ft
Material Colour:	CLAY, GRAVEL			Material:	4 ft
+					
Thickness:				Original Depth:	22 ft
Material Colour:	GRAVEL			Material:	4 ft
+					
Thickness:				Original Depth:	18 ft
Material Colour:	BOULDERS, CLAY, GRAVEL			Material:	12 ft
+					
Thickness:				Original Depth:	6 ft
Material Colour:	BOULDERS, GRAVEL			Material:	6 ft
+					
Thickness:				Original Depth:	71 ft
Material Colour:	CLAY, GRAVEL			Material:	8 ft

<a href="#">23</a>	1 of 1	WNW/257.2	314.0	<b>CITY OF GUELPH ON</b>	WWIS
Well ID:	6714815			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561979			Northing Nad83:	4821577
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Not Used			Construction Date:	08-JAN-04
Sec. Water Use:				Well Depth:	4.3 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	313.36			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	.45 m
Material Colour:	UNKNOWN TYPE			Material:	.45 m
+					
Thickness:	BROWN			Original Depth:	4.3 m
Material Colour:	SAND, GRAVEL, STONES			Material:	3.85 m

<a href="#">24</a>	1 of 2	S/224.9	321.9	<b>Guelph Golf &amp; Recreation Club Ltd. P.O. Box 666 190 College Ave. East Guelph ON</b>	GEN
Generator #:	ON4244672				
Approval Yrs:	2013				
SIC Code:	713910				
SIC Description:	GOLF COURSES AND COUNTRY CLUBS				
--- Details ---					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
+					
Waste Code:	221				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description: +		LIGHT FUELS			
Waste Code: Waste Description:		212 ALIPHATIC SOLVENTS			
<a href="#">24</a>	2 of 2	S/224.9	321.9	<b>Guelph Cutten Club 190 College Avenue East, Lot: 3, Concession: 1 Guelph ON N1G 3B9</b>	<b>PTTW</b>
Year:		2015			
EBR Registry No.:		012-3416			
Ministry Ref. No.:		6505-9STSSW			
Type:		Instrument Proposal			
Instrument Type:		(OWRA s. 34) - Permit to take water			
Proposal Date:		January 22, 2015			
Location:		190 College Avenue East Address: Lot: 3, Concession: 1, Part G, Geographic Township: GUELPH, Guelph, City, County of Wellington, N1G 3B9 District Office: Guelph GeoReference: Map Datum: NAD83, Zone: 17, Accuracy Estimate: 10 -100 metres eg. Topographic Map, Method: Map, UTM Easting: 562740, UTM Northing: 4821877, UTM Location Description: Storage Pond, Site #: 5293- 5Q5QHQ, NAICS: 71391 CITY OF GUELPH			
Proponent Address:		190 College Avenue East, Guelph Ontario, Canada N1H 6L3			
<a href="#">25</a>	1 of 5	NW/286.2	315.0	<b>Owens Corning-Guelph Glass Plant Guelph ON</b>	<b>CA</b>
Certificate #:		5254-4T2HFS			
Application Year:		01			
Issue Date:		1/16/01			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		New Certificate of Approval			
Client Name:		Owens-Corning Canada Inc.			
Client Address:		247 York Rd., Box 3603			
Client City:		Guelph			
Client Postal Code:		N1E 3G4			
Project Description:		This application is for the installation of 4 new gas-fired space heaters, each with a maximum input rating of 250,000 BTU/hr, The space heaters will be venting to the atmosphere through two 0.15 meter diameter stacks.			
Contaminants:					
Emission Control:					
<a href="#">25</a>	2 of 5	NW/286.2	315.0	<b>FIBERGLAS CANADA GUELPH CHEMICAL PLANT; BOX 1448 GUELPH ON N1H 6N9</b>	<b>NPCB</b>
Company Code:		O0373A			
Transaction Date:		3/18/1991			
Inspection Date:					
Industry:		Other			
Site Status:					
<a href="#">25</a>	3 of 5	NW/286.2	315.0	<b>OWENS CORNING CANADA INC. GUELPH CHEMICAL PLANT GUELPH CHEMICAL PLANT GUELPH ON</b>	<b>NPCB</b>



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Company Code: O0373A  Transaction Date:  Inspection Date:  Industry:  Site Status:</p> <p>--- Details ---  Label:  No. of Items:  Contents:  Serial No.:  Item/State:  Status: In-Storage  PCB Type/Code:  Location:  Manufacturer:</p>					
<a href="#">25</a>	4 of 5	NW/286.2	315.0	<b>OWENS CORNING CANADA OWENS CORNING GUELPH PLANT #1, 247 YORK ROAD GUELPH GUELPH CITY ON</b>	<b>SPL</b>
<p>Ref No.: 212823  Incident Dt: 10/1/2001  MOE Reported Dt: 10/2/2001  Contaminant Name:  Contaminant Quantity:  Incident Summary: OWENS CORNING:DUST CLOUD OF BURNT LIME ESCAPED FROM BATCH HOUSE  Incident Cause: OTHER CONTAINER LEAK  Incident Reason: EQUIPMENT FAILURE  Nature of Impact: Soil contamination  Receiving Medium: Air  Environmental Impact: Possible</p>					
<a href="#">25</a>	5 of 5	NW/286.2	315.0	<b>OWENS CORNING CANADA SPEED RIVER GUELPH PLANT #1` 247 YORK ROAD GUELPH CITY ON</b>	<b>SPL</b>
<p>Ref No.: 139512  Incident Dt: 4/14/1997  MOE Reported Dt: 4/14/1997  Contaminant Name:  Contaminant Quantity:  Incident Summary: OWENS-CORNING-UNK VOL OF FIBREGLASS SIZING SOL'N TO DITCH &amp; SPEED RIVER.  Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE  Incident Reason: NEGLIGENCE (APPARENT)  Nature of Impact: Water course or lake  Receiving Medium: LAND / WATER  Environmental Impact: POSSIBLE</p>					
<a href="#">26</a>	1 of 1	NNW/278.3	314.9	<b>ON</b>	<b>WWIS</b>
<p>Well ID: 6713633  Concession:  County: WELLINGTON  Lot:  Concession Name:  Municipality: GUELPH CITY</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Easting Nad83: 562082 Zone: 17 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Not Known Elevation (m): 314.77 Depth to Bedrock: 0 Water Type:				Northing Nad83: 4821736 Utm Reliability: margin of error : 10 - 30 m Construction Date: 22-JAN-01 Well Depth: 81 ft Static Water Level: 14 ft Clear/Cloudy: Final Well Status: Dewatering Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Bedrock Casing Material:	
--- Details ---					
Thickness:				Original Depth: 81 ft	
Material Colour: ROCK				Material: 81 ft	

<a href="#">27</a>	1 of 1	W/160.3	312.0	<b>Clear Choice Window Mfg. Inc.</b> <b>34 Hooper St Unit B</b> <b>Guelph ON N1E 5W5</b>	SCT
Established:		01-JUL-90			
Plant Size (ft²):		1600			
Employment:					
--- Details ---					
SIC/NAICS Code:		327215			
Description:		Glass Product Manufacturing from Purchased Glass			
+					
SIC/NAICS Code:		332321			
Description:		Metal Window and Door Manufacturing			
+					
SIC/NAICS Code:		326196			
Description:		Plastic Window and Door Manufacturing			

<a href="#">28</a>	1 of 8	W/222.4	312.0	<b>OWENS-CORNING CANADA INC</b> <b>165 YORK ROAD</b> <b>GUELPH CITY ON N1E 3G1</b>	CA
Certificate #:		8-2063-96-			
Application Year:		96			
Issue Date:		5/16/1996			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		MAT MIMIC MACHINE IN R&D LAB			
Contaminants:		Suspended Particulate Matter			
Emission Control:					

<a href="#">28</a>	2 of 8	W/222.4	312.0	<b>FIBERGLAS CANADA INC.</b> <b>165 YORK RD.</b> <b>GUELPH CITY ON N1E 3G1</b>	CA
Certificate #:		8-2130-85-006			
Application Year:		85			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Issue Date:		10/29/85			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:		Styrene			
Emission Control:		No Controls			

<a href="#">28</a>	3 of 8	W/222.4	312.0	Owens-Corning Canada Inc 165 York Road City of Guelph ON N1E 3G1	EBR
Year:		1996			
EBR Registry No.:		IA6E0482			
Ministry Ref. No.:					
Type:		Instrument			
Instrument Type:		EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
Proposal Date:		4/4/96			
Location:		City of Guelph			
Proponent Address:		Owens-Corning Canada Inc165 York Rd.,Guelph, Ontario, N1E 3G1			

<a href="#">28</a>	4 of 8	W/222.4	312.0	OWENS CORNING CANADA INC. 165 YORK ROAD GUELPH ON N1E 3G1	GEN
Generator #:		ON0002702			
Approval Yrs:		02,03,04,05			
SIC Code:		327214			
SIC Description:		Glass Mfg.			
--- Details ---					
Waste Code:		112			
Waste Description:		ACID WASTE - HEAVY METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
+					
Waste Code:		267			
Waste Description:		ORGANIC ACIDS			
+					
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
+					
Waste Code:		113			
Waste Description:		ACID WASTE - OTHER METALS			
+					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
	Waste Code:	211			
	Waste Description:	AROMATIC SOLVENTS			
+					
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
+					
	Waste Code:	213			
	Waste Description:	PETROLEUM DISTILLATES			
+					
	Waste Code:	231			
	Waste Description:	LATEX WASTES			
+					
	Waste Code:	232			
	Waste Description:	POLYMERIC RESINS			
+					
	Waste Code:	233			
	Waste Description:	OTHER POLYMERIC WASTES			
+					
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
+					
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
+					
	Waste Code:	263			
	Waste Description:	ORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	270			
	Waste Description:	OTHER SPECIFIED ORGANICS			

[28](#)

5 of 8

W/222.4

312.0

**OWENS CORNING CANADA INC.  
TECHNICAL SERVICES BUILDING 165  
YORK ROAD  
GUELPH ON N1H 6P6**

**GEN**

Generator #: ON0002702  
Approval Yrs: 98,99,00,01  
SIC Code: 3562  
SIC Description: GLASS PRODUCTS IND.

--- Details ---

Waste Code: 113  
Waste Description: ACID WASTE - OTHER METALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 231

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Waste Description:		LATEX WASTES			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		233			
Waste Description:		OTHER POLYMERIC WASTES			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			

**28**

**6 of 8**

**W/222.4**

**312.0**

**OWENS-CORNING CANADA INC.  
165 YORK ROAD TECHNICAL SERVICES  
BUILDING  
GUELPH ON N1E 3G1**

**GEN**

Generator #: ON0002702  
Approval Yrs: 97  
SIC Code: 3731  
SIC Description: PLASTIC & SYN. RESIN

--- Details ---

Waste Code: 113  
Waste Description: ACID WASTE - OTHER METALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 231  
Waste Description: LATEX WASTES  
+  
Waste Code: 232  
Waste Description: POLYMERIC RESINS  
+  
Waste Code: 233  
Waste Description: OTHER POLYMERIC WASTES  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			

<a href="#">28</a>	7 of 8	W/222.4	312.0	OWENS-CORNING CANADA INC. 242 GUELPH TSO 165 YORK ROAD GUELPH ON N1E 3G1	15-	GEN
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Generator #: ON0002702  
Approval Yrs: 92,93,94,95,96  
SIC Code: 3731  
SIC Description: PLASTIC & SYN. RESIN

--- Details ---

Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
+	
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
+	
Waste Code:	113
Waste Description:	ACID WASTE - OTHER METALS
+	
Waste Code:	122
Waste Description:	ALKALINE WASTES - OTHER METALS
+	
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
+	
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
+	
Waste Code:	212
Waste Description:	ALIPHATIC SOLVENTS
+	
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
+	
Waste Code:	231
Waste Description:	LATEX WASTES
+	
Waste Code:	232
Waste Description:	POLYMERIC RESINS
+	
Waste Code:	241
Waste Description:	HALOGENATED SOLVENTS

<a href="#">28</a>	8 of 8	W/222.4	312.0	FIBERGLAS CANADA INC RESEARCH & DEVELOPMENT 165 YORK ROAD GUELPH ON N1E 3G1		GEN
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Generator #: ON0002702  
Approval Yrs: 86,87,88,89,90

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		3731			
SIC Description:		PLASTIC & SYN. RESIN			
--- Details ---					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		231			
Waste Description:		LATEX WASTES			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			

<a href="#">29</a>	1 of 1	WNW/312.9	313.0	Guelph ON	WWIS
Well ID:	7210097			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561913			Northing Nad83:	4821595
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	21-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">30</a>	1 of 1	WSW/101.0	311.0	45 Hooper Street Guelph ON N1E 5W6	RSC
Date Submitted:	Nov.13, 1997				
Date Acknowledg.:	Nov. 14, 1997				
Date Returned:					
Certification Date:					
Soil Type:					
Restoration Type:					
Registration #:					
Stratified (Y/N):					
Criteria:					
Consultant:					
District Office:	Guelph				
Intended Prop Use:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Current Property Use: Certificate Prop Use #: Applicable Standards: Legal Description: Prop. Identification #: Entire legal prop. (y/n): UTM Coordinates: Latitude & Longitude: Accuracy Estimate: Measurement Method: CPU Issued Sect 1686:					

<a href="#">31</a>	1 of 1	NW/345.0	315.0	ON	WWIS
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Well ID:	6710649	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561962.3	Northing Nad83:	4821695
Zone:	17	Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:		Construction Date:	13-MAY-91
Sec. Water Use:		Well Depth:	8 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	
Construction Method:		Flowing (y/n):	
Elevation (m):	314.91	Elevation Reliability:	
Depth to Bedrock:	7	Overburden/Bedrock:	Bedrock
Water Type:		Casing Material:	

--- Details ---

Thickness:	WHITE	Original Depth:	8 ft
Material Colour:	LIMESTONE	Material:	1 ft
+			
Thickness:	BROWN	Original Depth:	7 ft
Material Colour:	SAND, GRAVEL, SILT	Material:	7 ft

<a href="#">32</a>	1 of 1	NNW/324.9	315.0	TRANSPORT TRUCK COURTICE ROAD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON	SPL
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Ref No.:	96148
Incident Dt:	2/7/1994
MOE Reported Dt:	2/8/1994
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	CARBON STEELS PROFILES: 200 L DIESEL FUEL TO ROADFROM SADDLE TANK.
Incident Cause:	OTHER TRANSPORTATION ACCIDENT
Incident Reason:	ERROR
Nature of Impact:	Soil contamination
Receiving Medium:	LAND
Environmental Impact:	POSSIBLE

<a href="#">33</a>	1 of 1	WNW/308.4	313.0	Guelph ON	WWIS
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Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7210096			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561882			Northing Nad83:	4821575
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	21-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">34</a>	1 of 1	WNW/318.0	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210094			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561866			Northing Nad83:	4821578
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">35</a>	1 of 1	NNW/300.5	315.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7165941			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562108			Northing Nad83:	4821812
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	10-MAY-11
Sec. Water Use:				Well Depth:	18 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Not stated			Casing Material:	Not stated

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Thickness:	BROWN			Original Depth:	18 ft
Material Colour:	SAND, GRAVEL, DENSE			Material:	18 ft

<a href="#">36</a>	1 of 1	WNW/313.7	313.0	ON	WWIS
Well ID:	6700880			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561859.3			Northing Nad83:	4821570
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Industrial			Construction Date:	25-JUL-55
Sec. Water Use:				Well Depth:	130 ft
Pump Rate:	55 GPM			Static Water Level:	9 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	312.84			Elevation Reliability:	
Depth to Bedrock:	15			Overburden/Bedrock:	Bedrock
Water Type:	SULPHUR			Casing Material:	FRESH, MINERIAL

--- Details ---					
Thickness:	WHITE			Original Depth:	30 ft
Material Colour:	LIMESTONE			Material:	15 ft
+					
Thickness:	BLACK			Original Depth:	68 ft
Material Colour:	LIMESTONE			Material:	38 ft
+					
Thickness:				Original Depth:	15 ft
Material Colour:	GRAVEL, STONES			Material:	2 ft
+					
Thickness:	GREY			Original Depth:	114 ft
Material Colour:	LIMESTONE			Material:	46 ft
+					
Thickness:	WHITE			Original Depth:	130 ft
Material Colour:	LIMESTONE			Material:	16 ft
+					
Thickness:				Original Depth:	13 ft
Material Colour:	GRAVEL, CLAY			Material:	2 ft
+					
Thickness:				Original Depth:	11 ft
Material Colour:	GRAVEL, STONES			Material:	11 ft

<a href="#">37</a>	1 of 1	WNW/322.9	313.0	Guelph ON	WWIS
Well ID:	7110189			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561863			Northing Nad83:	4821582
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	27-JUL-08

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Sec. Water Use:				Well Depth:	3.96 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Auger			Flowing (y/n):	
Elevation (m):	312.89			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, GRAVEL, DRY			Material:	3 m
+					
Thickness:	BROWN			Original Depth:	3.96 m
Material Colour:	SAND, GRAVEL, WATER-BEARING			Material:	.96 m

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1 of 1

WNW/305.6

313.0

WWIS

**Guelph ON**

Well ID: 7210089

Concession:

County: WELLINGTON

Easting Nad83: 561855

Zone: 17

Primary Water Use:

Sec. Water Use:

Pump Rate:

Flow Rate:

Specific Capacity:

Construction Method:

Elevation (m):

Depth to Bedrock:

Water Type:

--- Details ---

Thickness:

Material Colour:

Lot:

Concession Name:

Municipality: GUELPH CITY

Northing Nad83: 4821559

Utm Reliability: margin of error : 30 m - 100 m

Construction Date: 20-AUG-13

Well Depth: ft

Static Water Level:

Clear/Cloudy:

Final Well Status: Abandoned-Other

Flowing (y/n):

Elevation Reliability:

Overburden/Bedrock:

Casing Material:

Original Depth: ft

Material: ft

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1 of 1

WNW/333.3

313.0

WWIS

**Guelph ON**

Well ID: 7210087

Concession:

County: WELLINGTON

Easting Nad83: 561866

Zone: 17

Primary Water Use:

Sec. Water Use:

Pump Rate:

Flow Rate:

Specific Capacity:

Construction Method:

Elevation (m):

Depth to Bedrock:

Water Type:

--- Details ---

Thickness:

Lot:

Concession Name:

Municipality: GUELPH TOWNSHIP

Northing Nad83: 4821595

Utm Reliability: margin of error : 30 m - 100 m

Construction Date: 20-AUG-13

Well Depth: ft

Static Water Level:

Clear/Cloudy:

Final Well Status:

Flowing (y/n):

Elevation Reliability:

Overburden/Bedrock:

Casing Material:

Original Depth: ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Material Colour:				Material:	ft
<a href="#">40</a>	1 of 1	WNW/304.7	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210299			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561853			Northing Nad83:	4821557
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">41</a>	1 of 1	NNW/309.5	315.0	<b>ON</b>	<b>WWIS</b>
Well ID:	7197002			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562101			Northing Nad83:	4821818
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	09-JAN-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
<a href="#">42</a>	1 of 1	WNW/339.1	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7110190			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561861			Northing Nad83:	4821599
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	26-JUL-08
Sec. Water Use:				Well Depth:	3.96 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Auger			Flowing (y/n):	
Elevation (m):	313.06			Elevation Reliability:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Depth to Bedrock: Water Type:				Overburden/Bedrock: Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, GRAVEL, DRY			Material:	3 m
+					
Thickness:	GREY			Original Depth:	3.3 m
Material Colour:	GRAVEL			Material:	.3 m
+					
Thickness:	BROWN			Original Depth:	m
Material Colour:				Material:	m
+					
Thickness:	BROWN			Original Depth:	3.96 m
Material Colour:	SAND, GRAVEL, WATER-BEARING			Material:	m

<a href="#">43</a>	1 of 1	WNW/302.8	313.0	Guelph ON	WWIS
Well ID: 7110193				Lot:	
Concession:				Concession Name:	
County: WELLINGTON				Municipality: GUELPH CITY	
Easting Nad83: 561845				Northing Nad83: 4821551	
Zone: 17				Utm Reliability: margin of error : 10 - 30 m	
Primary Water Use: Test Hole				Construction Date: 27-JUL-08	
Sec. Water Use:				Well Depth: 4.3 m	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status: Test Hole	
Construction Method: Auger				Flowing (y/n):	
Elevation (m): 312.9				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, GRAVEL, DRY			Material:	3 m
+					
Thickness:	BROWN			Original Depth:	4.3 m
Material Colour:	SAND, GRAVEL, WATER-BEARING			Material:	1.3 m

<a href="#">44</a>	1 of 1	W/284.4	313.0	Guelph ON	WWIS
Well ID: 7110197				Lot:	
Concession:				Concession Name:	
County: WELLINGTON				Municipality: GUELPH CITY	
Easting Nad83: 561839				Northing Nad83: 4821612	
Zone: 17				Utm Reliability: margin of error : 10 - 30 m	
Primary Water Use: Test Hole				Construction Date: 10-JUN-08	
Sec. Water Use:				Well Depth: 4.8 m	
Pump Rate:				Static Water Level: 3.5 m	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status: Test Hole	
Construction Method: H.S.A.				Flowing (y/n):	
Elevation (m): 318.99				Elevation Reliability:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Depth to Bedrock: Water Type:				Overburden/Bedrock: Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, GRAVEL, FILL			Material:	3 m
+					
Thickness:	BROWN			Original Depth:	4.8 m
Material Colour:	SAND, GRAVEL, LOOSE			Material:	1.8 m
<a href="#">45</a>	1 of 1	W/285.6	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210098			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561837			Northing Nad83:	4821529
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	21-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">46</a>	1 of 1	WNW/302.7	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210090			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561841			Northing Nad83:	4821549
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">47</a>	1 of 1	WNW/339.8	313.2	<b>Guelph ON</b>	<b>WWIS</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7210095			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561847			Northing Nad83:	4821593
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">48</a>	1 of 1	WNW/341.5	313.2	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7110188			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561845			Northing Nad83:	4821594
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	26-JUL-08
Sec. Water Use:				Well Depth:	4.2 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Auger			Flowing (y/n):	
Elevation (m):	313.28			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, GRAVEL, DRY			Material:	3 m
+					
Thickness:	BROWN			Original Depth:	4.2 m
Material Colour:	SAND, GRAVEL, WATER-BEARING			Material:	1.2 m

<a href="#">49</a>	1 of 1	WNW/335.5	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210088			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561840			Northing Nad83:	4821585
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Elevation (m): Depth to Bedrock: Water Type:				Elevation Reliability: Overburden/Bedrock: Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">50</a>	1 of 1	WNW/337.8	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7110187			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561837			Northing Nad83:	4821586
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	26-JUL-08
Sec. Water Use:				Well Depth:	4.2 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Auger			Flowing (y/n):	
Elevation (m):	313.34			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:		BROWN		Original Depth:	3 m
Material Colour:		SAND, GRAVEL, WATER-BEARING		Material:	3 m
+					
Thickness:		BROWN		Original Depth:	4.2 m
Material Colour:		SAND, GRAVEL, WATER-BEARING		Material:	1.2 m
<a href="#">51</a>	1 of 1	WNW/307.1	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7110192			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561824			Northing Nad83:	4821549
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	27-JUL-08
Sec. Water Use:				Well Depth:	3.9 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Auger			Flowing (y/n):	
Elevation (m):	313.2			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:		BROWN		Original Depth:	3 m
Material Colour:		SAND, GRAVEL		Material:	3 m
+					
Thickness:		BROWN		Original Depth:	3.9 m
Material Colour:		SAND, GRAVEL		Material:	.9 m



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">52</a>	1 of 1	WSW/84.3	311.0	<b>ON</b>	<b>WWIS</b>
Well ID:	6711366			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561835.3			Northing Nad83:	4821326
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Commerical			Construction Date:	06-OCT-93
Sec. Water Use:				Well Depth:	100 ft
Pump Rate:	25 GPM			Static Water Level:	10 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	310.56			Elevation Reliability:	
Depth to Bedrock:	10			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	GREY			Original Depth:	100 ft
Material Colour:	ROCK			Material:	25 ft
+					
Thickness:	BROWN			Original Depth:	10 ft
Material Colour:	FILL			Material:	10 ft
+					
Thickness:	BROWN			Original Depth:	75 ft
Material Colour:	ROCK			Material:	65 ft
<a href="#">53</a>	1 of 1	WNW/301.5	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210092			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561821			Northing Nad83:	4821543
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">54</a>	1 of 1	WNW/301.7	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210100			Lot:	
Concession:				Concession Name:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561819			Northing Nad83:	4821543
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">55</a>	1 of 1	WNW/329.6	313.0	<b>GUEPLH ON</b>	WWIS
Well ID:	7152738			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561826			Northing Nad83:	4821572
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	24-AUG-10
Sec. Water Use:				Well Depth:	15 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	313.39			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2 ft
Material Colour:	FILL, , FILL			Material:	2 ft
+					
Thickness:	BROWN			Original Depth:	15 ft
Material Colour:	SAND, GRAVEL, SAND			Material:	13 ft

<a href="#">56</a>	1 of 1	WNW/306.6	313.0	<b>Guelph ON</b>	WWIS
Well ID:	7210091			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561819			Northing Nad83:	4821548
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">57</a>	1 of 1	WNW/343.1	313.2	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7152734			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561822			Northing Nad83:	4821585
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	24-AUG-10
Sec. Water Use:				Well Depth:	17 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	313.57			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	2 ft
Material Colour:				Material:	2 ft
+					
Thickness:				Original Depth:	17 ft
Material Colour:				Material:	15 ft
<a href="#">58</a>	1 of 1	W/252.9	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210099			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561803			Northing Nad83:	4821492
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	21-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">59</a>	1 of 2	WNW/317.9	313.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	6715132			Lot:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561812			Northing Nad83:	4821558
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	21-SEP-04
Sec. Water Use:				Well Depth:	4.5 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	313.45			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	1.5 m
Material Colour:	FILL, GRAVEL			Material:	1.5 m
+					
Thickness:	BROWN			Original Depth:	4.5 m
Material Colour:	GRAVEL, SAND			Material:	3 m

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2 of 2

WNW/317.9

313.0

WWIS

## KING CITY ON

Well ID:	6928462			Lot:	
Concession:				Concession Name:	
County:	YORK			Municipality:	KING TOWNSHIP
Easting Nad83:	561812			Northing Nad83:	4821559
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	28-SEP-04
Sec. Water Use:				Well Depth:	54 ft
Pump Rate:	35 GPM			Static Water Level:	
Flow Rate:	1 GPM			Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	Y
Elevation (m):	313.46			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:	BROWN			Original Depth:	54 ft
Material Colour:	GRAVEL, CLAY, DIRTY			Material:	4 ft
+					
Thickness:	BROWN			Original Depth:	50 ft
Material Colour:	SAND, CLAY, LAYERED			Material:	10 ft
+					
Thickness:	GREY			Original Depth:	40 ft
Material Colour:	CLAY, CLAY, SOFT			Material:	29 ft
+					
Thickness:	BLACK			Original Depth:	1 ft
Material Colour:	TOPSOIL			Material:	1 ft
+					
Thickness:	BROWN			Original Depth:	8 ft
Material Colour:	CLAY, TOPSOIL			Material:	7 ft
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	BROWN			Original Depth:	11 ft
Material Colour:	SAND, CLAY, MUCK			Material:	3 ft

<a href="#">60</a>	1 of 1	WNW/302.2	313.0	Guelph ON	WWIS
Well ID:	7210093			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561806			Northing Nad83:	4821542
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">61</a>	1 of 2	WNW/342.8	313.7	GUELPH ON	WWIS
Well ID:	7152736			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561815			Northing Nad83:	4821584
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	24-AUG-10
Sec. Water Use:				Well Depth:	17 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	313.66			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2 ft
Material Colour:	FILL, , FILL			Material:	2 ft
+					
Thickness:	BROWN			Original Depth:	17 ft
Material Colour:	SAND, GRAVEL, SAND			Material:	15 ft

<a href="#">61</a>	2 of 2	WNW/342.8	313.7	lot 3 GUELPH ON	WWIS
Well ID:	6715089			Lot:	003
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561815			Northing Nad83:	4821584

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	23-AUG-04
Sec. Water Use:				Well Depth:	4.5 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	313.66			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	Not stated
--- Details ---					
Thickness:	GREY			Original Depth:	.3 m
Material Colour:	GRAVEL			Material:	.24 m
+					
Thickness:	BROWN			Original Depth:	4.5 m
Material Colour:	STONES, GRAVEL, SAND			Material:	4.2 m
+					
Thickness:	BLACK			Original Depth:	.06 m
Material Colour:				Material:	.06 m

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1 of 1

WNW/345.8

313.7

WWIS

**GUELPH ON**

Well ID:	6715309	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561815	Northing Nad83:	4821587
Zone:	17	Utm Reliability:	
Primary Water Use:		Construction Date:	28-JAN-04
Sec. Water Use:		Well Depth:	6.9 m
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Observation Wells
Construction Method:	Diamond	Flowing (y/n):	
Elevation (m):	313.69	Elevation Reliability:	
Depth to Bedrock:	17	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	Not stated

--- Details ---

Thickness:	BROWN	Original Depth:	5.2 m
Material Colour:	SAND, GRAVEL, STONES	Material:	5.2 m
+			
Thickness:	GREY	Original Depth:	6.9 m
Material Colour:	LIMESTONE	Material:	1.7 m

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1 of 1

WNW/322.1

313.3

WWIS

**Guelph ON**

Well ID:	7110196	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561822	Northing Nad83:	4821566
Zone:	17	Utm Reliability:	unknown UTM
Primary Water Use:	Test Hole	Construction Date:	31-JUL-08
Sec. Water Use:		Well Depth:	4.5 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Pump Rate: Flow Rate: Specific Capacity: Construction Method: S.S.A. Elevation (m): 313.56 Depth to Bedrock: Water Type:				Static Water Level: Clear/Cloudy: Final Well Status: Test Hole Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material: Not stated	
--- Details ---					
Thickness:		BROWN	Original Depth:		1.2 m
Material Colour:		SAND, GRAVEL, LOOSE	Material:		1.2 m
+					
Thickness:		BROWN	Original Depth:		3 m
Material Colour:		SAND, GRAVEL, LOOSE	Material:		1.8 m
+					
Thickness:		BROWN	Original Depth:		4.5 m
Material Colour:		SAND	Material:		1.5 m

<a href="#">64</a>	1 of 1	WNW/346.4	314.0	Guelph ON	WWIS
Well ID:		7110195	Lot:		
Concession:			Concession Name:		
County:		WELLINGTON	Municipality:		GUELPH CITY
Easting Nad83:		561878	Northing Nad83:		4821642
Zone:		17	Utm Reliability:		unknown UTM
Primary Water Use:		Test Hole	Construction Date:		31-JUL-08
Sec. Water Use:			Well Depth:		5.1 m
Pump Rate:			Static Water Level:		
Flow Rate:			Clear/Cloudy:		
Specific Capacity:			Final Well Status:		Test Hole
Construction Method:		H.S.A.	Flowing (y/n):		
Elevation (m):		314.59	Elevation Reliability:		
Depth to Bedrock:			Overburden/Bedrock:		
Water Type:			Casing Material:		Not stated
--- Details ---					
Thickness:		BROWN	Original Depth:		1.2 m
Material Colour:		SAND, STONES, LOOSE	Material:		1.2 m
+					
Thickness:		BROWN	Original Depth:		3 m
Material Colour:		SAND, GRAVEL, CLAY	Material:		1.8 m
+					
Thickness:		BROWN	Original Depth:		5.1 m
Material Colour:		SAND	Material:		2.1 m

<a href="#">65</a>	1 of 4	WSW/131.6	311.7	FRED E. PRIOR & SONS LIMITED 34 HOOD STREET GUELPH ON N1E 5W3	GEN
Generator #:		ON0788900			
Approval Yrs:		99,00,01			
SIC Code:		4214			
SIC Description:		EXCAVAT. & GRADING			
--- Details ---					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code: Waste Description:		252 WASTE OILS & LUBRICANTS			
<a href="#">65</a>	2 of 4	WSW/131.6	311.7	<b>FRED E. PRIOR &amp; SONS LTD. 34 HOOD STREET GUELPH ON N1E 5W3</b>	<b>GEN</b>
Generator #:		ON0788900			
Approval Yrs:		92,93,94,95,96,97,98			
SIC Code:		4214			
SIC Description:		EXCAVAT. & GRADING			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">65</a>	3 of 4	WSW/131.6	311.7	<b>FRED E. PRIOR &amp; SONS LTD. 34 HOOD STREET GUELPH ON N1E 5W3</b>	<b>GEN</b>
Generator #:		ON0788900			
Approval Yrs:		86,87,88,89,90			
SIC Code:		0000			
SIC Description:		*** NOT DEFINED ***			
<a href="#">65</a>	4 of 4	WSW/131.6	311.7	<b>Estate of Arnold Prior 34 HOOD ST, GUELPH, ON, N1E 5W3 Guelph ON N1E 5W3</b>	<b>RSC</b>
Date Submitted:		5-Oct-05			
Date Acknowledg.:					
Date Returned:					
Certification Date:		15-Jun-04			
Soil Type:					
Restoration Type:					
Registration #:		1781			
Stratified (Y/N):					
Criteria:					
Consultant:					
District Office:		GUELPH			
Intended Prop Use:		Residential			
Current Property Use:		Residential			
Certificate Prop Use #:		No CPU			
Applicable Standards:		Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use			
Legal Description:		Lots 25, 26, 27 & 30, Plan 25: PT Lots 28 & 29, Plan 25, AS IN ROS211088; S/T DENTS IN ROS211088; GUELPH. RSC applied to Lots 25 and 26, Registered Plan 25			
Prop. Identification #:					
Entire legal prop. (y/n):		No			
UTM Coordinates:		NAD83 17-561750-4821200			
Latitude & Longitude:		43.54119340N 80.23566770W (converted from UTM)			
Accuracy Estimate:		21 to 100 meters			
Measurement Method:		Interpolation from a map			
CPU Issued Sect 1686:		No			
<a href="#">66</a>	1 of 1	NNW/389.3	315.0	<b>139 Morris St Guelph ON N1E5M6</b>	<b>EHS</b>



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Order No.:		20130516006			
Report Date:		24-MAY-13			
Report Type:		Custom Report			
Search Radius (km):		.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans; Topographic Maps; City Directory; Aerial Photos			

<u>67</u>	1 of 1	WNW/344.9	314.0	GUELPH ON	WWIS
Well ID:	7152733			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561798			Northing Nad83:	4821584
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	24-AUG-10
Sec. Water Use:				Well Depth:	15 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	313.87			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2 ft
Material Colour:	FILL, , FILL			Material:	2 ft
+					
Thickness:	BROWN			Original Depth:	15 ft
Material Colour:	SAND, GRAVEL, SAND			Material:	13 ft

<u>68</u>	1 of 6	WSW/101.0	311.0	Fred E. Prior & Sons Limited 38 Hood Street Guelph ON N1E 5W3	CA
Certificate #:	1989-5LGNGU				
Application Year:	2003				
Issue Date:	4/17/2003				
Approval Type:	Waste Management Systems				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<u>68</u>	2 of 6	WSW/101.0	311.0	Fred E. Prior and Sons Limited 38 Hood Street Guelph ON N1E5W3	GEN
Generator #:	ON2679769				
Approval Yrs:	05,06				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		532410			
SIC Description:		Construction Transportation Mining and Forestry Machinery and Equipment Rental and Leasing			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">68</a>	3 of 6	WSW/101.0	311.0	<b>Fred E. Prior and Sons Limited 38 Hood Street Guelph ON N1E 5W3</b>	<b>GEN</b>
Generator #:		ON2679769			
Approval Yrs:		As of April 2014			
SIC Code:		532410			
SIC Description:		Construction Transportation Mining and Forestry Machinery and Equipment Rental and Leasing			
--- Details ---					
Waste Code:		252			
Waste Description:		Waste crankcase oils and lubricants			
<a href="#">68</a>	4 of 6	WSW/101.0	311.0	<b>Fred E. Prior and Sons Limited 38 Hood Street Guelph ON N1E5W3</b>	<b>GEN</b>
Generator #:		ON2679769			
Approval Yrs:		2012			
SIC Code:		532410			
SIC Description:		Construction Transportation Mining and Forestry Machinery and Equipment Rental and Leasing			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">68</a>	5 of 6	WSW/101.0	311.0	<b>Fred E. Prior and Sons Limited 38 Hood Street Guelph ON</b>	<b>GEN</b>
Generator #:		ON2679769			
Approval Yrs:		2013			
SIC Code:		532410			
SIC Description:		CONSTRUCTION, TRANSPORTATION, MINING, AND FORESTRY MACHINERY AND EQUIPMENT RENTAL AND LEASING			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">68</a>	6 of 6	WSW/101.0	311.0	<b>Fred Pryor and Sons&lt;UNOFFICIAL&gt; 38 Hood St Guelph ON N1E 5W3</b>	<b>SPL</b>
Ref No.:		7432-7E3EXY			
Incident Dt:					
MOE Reported Dt:		4/26/2008			
Contaminant Name:		DIESEL FUEL AND WATER MIXTURE			
Contaminant Quantity:		2000 L			
Incident Summary:		Fred Prior & Sons: trucks set on fire. Fire runoff.			
Incident Cause:					
Incident Reason:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Nature of Impact: Receiving Medium: Environmental Impact:					
<a href="#">69</a>	1 of 2	WNW/378.1	314.0	Upper Grand District School Board Tytler Public School 131 Ontario Street Guelph ON	GEN
Generator #:		ON5867684			
Approval Yrs:		2013			
SIC Code:		611110			
SIC Description:		ELEMENTARY AND SECONDARY SCHOOLS			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">69</a>	2 of 2	WNW/378.1	314.0	Upper Grand District School Board 131 Ontario Street Guelph ON	GEN
Generator #:		ON8709148			
Approval Yrs:		2013			
SIC Code:		611110			
SIC Description:		ELEMENTARY AND SECONDARY SCHOOLS			
--- Details ---					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
<a href="#">70</a>	1 of 20	NNW/397.0	315.0	139 Morris Street, Unit 3 139 Morris Street, Unit 3, Plan 322, Lots 21-30 Guelph ON N1E 5M6	CA
Certificate #:		5326-4L4RXM			
Application Year:		00			
Issue Date:		6/9/00			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		New Certificate of Approval			
Client Name:		ABS On Time Logistics Inc.			
Client Address:		139 Morris Street, Unit 3			
Client City:		Guelph			
Client Postal Code:		N1E 5M6			
Project Description:		The purpose of this application is to permit the exhaust from one (1) roof ventilator (EX-1) serving two ink jet printers and a general floor exhaust, currently operating at a volumetric flow rate of 3.44 cubic meters per second and having an equivalent exit diameter of approximately 0.73 meter, extending approximately 0.41 meter above the roof and 6.5 meters above grade.			
Contaminants:					
Emission Control:					
<a href="#">70</a>	2 of 20	NNW/397.0	315.0	ABS On Time Logistics Corp. 139 Morris Street Guelph ON	CA
Certificate #:		5035-62URDL			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Application Year:		2004			
Issue Date:		7/19/2004			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<a href="#">70</a>	3 of 20	NNW/397.0	315.0	<b>ABS On Time Logistics Inc. 139 Morris Street Guelph ON N1E 5M6</b>	<b>EBR</b>
Year:		2003			
EBR Registry No.:		IA03E1464			
Ministry Ref. No.:		0675-5SJM3H			
Type:		Instrument Decision			
Instrument Type:		Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9			
Proposal Date:					
Location:		139 Morris Street, Unit 3 Guelph Ontario N1E 5M6			
Proponent Address:		139 Morris Street, Unit 3 Guelph Ontario N1E 5M6			

<a href="#">70</a>	4 of 20	NNW/397.0	315.0	<b>ABS On Time Logistics Inc 139 Morris Street Guelph ON N1E 5M6</b>	<b>EBR</b>
Year:		2000			
EBR Registry No.:		IA00E0732			
Ministry Ref. No.:					
Type:		Instrument			
Instrument Type:		EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
Proposal Date:					
Location:		139 Morris Street, Unit 3, Plan 322, Lots 21-30,Guelph, Ontario, N1E 5M6Guelph			
Proponent Address:		ABS On Time Logistics Inc.139 Morris Street, Unit 3,Guelph, Ontario, N1E 5M6			

<a href="#">70</a>	5 of 20	NNW/397.0	315.0	<b>139 Morris Street Guelph ON N1E 5M6</b>	<b>EHS</b>
Order No.:		20100723034			
Report Date:		7/27/2010			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans			

<a href="#">70</a>	6 of 20	NNW/397.0	315.0	<b>139 Morris Street Guelph ON N1E 5M6</b>	<b>EHS</b>
Order No.:		20030602007			
Report Date:		6/6/03			
Report Type:		Complete Report			
Search Radius (km):		0.35			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
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Addit. Info Ordered:

<a href="#">70</a>	7 of 20	NNW/397.0	315.0	<b>BILTMORE CANADA INC.</b> 139 MORRIS STREET C/O P.O. BOX 690 GUELPH ON N1E 5M6	04-255 <b>GEN</b>
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Generator #: ON1060200  
 Approval Yrs: 94,95,96  
 SIC Code: 1992  
 SIC Description: CONTRACT TEX. DYEING

--- Details ---

Waste Code: 122  
 Waste Description: ALKALINE WASTES - OTHER METALS  
 +  
 Waste Code: 145  
 Waste Description: PAINT/PIGMENT/COATING RESIDUES  
 +  
 Waste Code: 148  
 Waste Description: INORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 232  
 Waste Description: POLYMERIC RESINS  
 +  
 Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS

<a href="#">70</a>	8 of 20	NNW/397.0	315.0	<b>ABS ONTIME LOGISTICS INC.</b> 139 MORRIS STREET GUELPH ON	<b>GEN</b>
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Generator #: ON2479600  
 Approval Yrs: 2009  
 SIC Code: 336340  
 SIC Description: Motor Vehicle Brake System Manufacturing

--- Details ---

Waste Code: 212  
 Waste Description: ALIPHATIC SOLVENTS  
 +  
 Waste Code: 251  
 Waste Description: OIL SKIMMINGS & SLUDGES  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES

<a href="#">70</a>	9 of 20	NNW/397.0	315.0	<b>BILTMORE CANADA INC.</b> 139 MORRIS STREET C/O P.O. BOX 690 GUELPH ON N1E 5M6	<b>GEN</b>
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<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Generator #:		ON1060200			
Approval Yrs:		88,89,90			
SIC Code:		1992			
SIC Description:		CONTRACT TEX. DYEING			
--- Details ---					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">70</a>	<b>10 of 20</b>	<b>NNW/397.0</b>	<b>315.0</b>	<b>139 morris street holdings ltd 139 morris street Guelph ON</b>	<b>GEN</b>
Generator #:		ON5947527			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		121			
Waste Description:		Alkaline slutions - containing heavy metals			
+					
Waste Code:		146			
Waste Description:		Other specified inorganic sludges, slurries or solids			
<a href="#">70</a>	<b>11 of 20</b>	<b>NNW/397.0</b>	<b>315.0</b>	<b>ABS ONTIME LOGISTICS INC. 139 MORRIS STREET GUELPH ON</b>	<b>GEN</b>
Generator #:		ON2479600			
Approval Yrs:		2010			
SIC Code:		336340			
SIC Description:		Motor Vehicle Brake System Manufacturing			
--- Details ---					
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		252			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description: WASTE OILS & LUBRICANTS + Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS + Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
<a href="#">70</a>	12 of 20	NNW/397.0	315.0	139 morris street holdings ltd 139 morris street Guelph ON	GEN
Generator #: ON5947527 Approval Yrs: 2012 SIC Code: 315210 SIC Description: Cut and Sew Clothing Contracting					
<a href="#">70</a>	13 of 20	NNW/397.0	315.0	BILTMORE CANADA INC. 139 MORRIS STREET GUELPH ON N1H 6L7	GEN
Generator #: ON1060200 Approval Yrs: 92,93,97,98 SIC Code: 1992 SIC Description: CONTRACT TEX. DYEING					
--- Details ---					
Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS + Waste Code: 145 Waste Description: PAINT/PIGMENT/COATING RESIDUES + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS + Waste Code: 232 Waste Description: POLYMERIC RESINS + Waste Code: 241 Waste Description: HALOGENATED SOLVENTS + Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS					
<a href="#">70</a>	14 of 20	NNW/397.0	315.0	BILTMORE CANADA INCORPORATED 139 MORRIS STREET GUELPH ON N1H 6L7	GEN
Generator #: ON1060200 Approval Yrs: 99,00,01 SIC Code: 1992 SIC Description: CONTRACT TEX. DYEING					
--- Details ---					
Waste Code: 122 Waste Description: ALKALINE WASTES - OTHER METALS + Waste Code: 145					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Waste Description: PAINT/PIGMENT/COATING RESIDUES  +  Waste Code: 148  Waste Description: INORGANIC LABORATORY CHEMICALS  +  Waste Code: 232  Waste Description: POLYMERIC RESINS  +  Waste Code: 241  Waste Description: HALOGENATED SOLVENTS  +  Waste Code: 252  Waste Description: WASTE OILS &amp; LUBRICANTS</p>					
<a href="#">70</a>	15 of 20	NNW/397.0	315.0	<b>ABS ONTIME LOGISTICS INC. 139 MORRIS STREET GUELPH ON N1H 6L7</b>	<b>GEN</b>
<p>Generator #: ON2479600  Approval Yrs: 99,00,01,02,03,04,05,06,07,08  SIC Code: 3255  SIC Description: VEH. WHEEL &amp; BRAKE</p> <p>--- Details ---  Waste Code: 263  Waste Description: ORGANIC LABORATORY CHEMICALS  +  Waste Code: 331  Waste Description: WASTE COMPRESSED GASES  +  Waste Code: 212  Waste Description: ALIPHATIC SOLVENTS  +  Waste Code: 251  Waste Description: OIL SKIMMINGS &amp; SLUDGES  +  Waste Code: 252  Waste Description: WASTE OILS &amp; LUBRICANTS</p>					
<a href="#">70</a>	16 of 20	NNW/397.0	315.0	<b>Northern Sport Fishing Products Ltd. 139 Morris St Unit 2 Guelph ON N1E 5M6</b>	<b>SCT</b>
<p>Established: 1991  Plant Size (ft²): 7000  Employment: 5</p>					
<a href="#">70</a>	17 of 20	NNW/397.0	315.0	<b>FM WIRE SERVICE 139 Morris St Guelph ON N1E 5M6</b>	<b>SCT</b>
<p>Established: 0000  Plant Size (ft²): 0  Employment: 0</p> <p>--- Details ---  SIC/NAICS Code: 332619  Description: Other Fabricated Wire Product Manufacturing</p>					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">70</a>	18 of 20	NNW/397.0	315.0	<b>FM Wire Products 139 Morris St Unit 5 Guelph ON N1E 5M6</b>	<b>SCT</b>
Established:		1998			
Plant Size (ft²):		2000			
Employment:		1			
--- Details ---					
SIC/NAICS Code:		332999			
Description:		All Other Miscellaneous Fabricated Metal Product Manufacturing			
+					
SIC/NAICS Code:		332118			
Description:		Stamping			
+					
SIC/NAICS Code:		332611			
Description:		Spring (Heavy Gauge) Manufacturing			
+					
SIC/NAICS Code:		332619			
Description:		Other Fabricated Wire Product Manufacturing			
<a href="#">70</a>	19 of 20	NNW/397.0	315.0	<b>Biltmore Hats Inc. 139 Morris St Guelph ON N1E 5M6</b>	<b>SCT</b>
Established:		01-AUG-17			
Plant Size (ft²):		42500			
Employment:					
--- Details ---					
SIC/NAICS Code:		315210			
Description:		Cut and Sew Clothing Contracting			
+					
SIC/NAICS Code:		315990			
Description:		Clothing Accessories and Other Clothing Manufacturing			
+					
SIC/NAICS Code:		315990			
Description:		Clothing Accessories and Other Clothing Manufacturing			
<a href="#">70</a>	20 of 20	NNW/397.0	315.0	<b>Northern Sport Fishing 139 Morris St Unit 2 Guelph ON N1E 5M6</b>	<b>SCT</b>
Established:		01-JAN-61			
Plant Size (ft²):		7000			
Employment:					
--- Details ---					
SIC/NAICS Code:		339920			
Description:		Sporting and Athletic Goods Manufacturing			
+					
SIC/NAICS Code:		339920			
Description:		Sporting and Athletic Goods Manufacturing			
<a href="#">71</a>	1 of 1	NNW/399.4	315.0	<b>139 morris street holdings ltd 139 morris street Guelph ON</b>	<b>GEN</b>

Generator #: ON5947527

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Approval Yrs:		2013			
SIC Code:		315210			
SIC Description:		CUT AND SEW CLOTHING CONTRACTING			
--- Details ---					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			

<a href="#">72</a>	1 of 1	NW/441.3	315.0	ON	WWIS
Well ID:	7196998			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561936			Northing Nad83:	4821815
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	11-JAN-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	

<a href="#">73</a>	1 of 1	NNW/415.2	315.0	ON	WWIS
Well ID:	6700876			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562005.3			Northing Nad83:	4821864
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Industrial			Construction Date:	09-JAN-54
Sec. Water Use:				Well Depth:	206 ft
Pump Rate:	190 GPM			Static Water Level:	19 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Cable Tool			Flowing (y/n):	N
Elevation (m):	315.27			Elevation Reliability:	
Depth to Bedrock:	19			Overburden/Bedrock:	Overburden below Bedrock
Water Type:	SULPHUR			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	BLUE			Original Depth:	200 ft
Material Colour:	LIMESTONE			Material:	60 ft
+					
Thickness:	BLUE			Original Depth:	206 ft
Material Colour:	CLAY			Material:	6 ft
+					
Thickness:	BROWN			Original Depth:	140 ft
Material Colour:	LIMESTONE			Material:	6 ft
+					
Thickness:	BLUE			Original Depth:	134 ft
Material Colour:	LIMESTONE			Material:	34 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	BLACK			Original Depth:	81 ft
Material Colour:	LIMESTONE			Material:	62 ft
+					
Thickness:				Original Depth:	19 ft
Material Colour:	CLAY, STONES			Material:	16 ft
+					
Thickness:				Original Depth:	3 ft
Material Colour:	TOPSOIL			Material:	3 ft
+					
Thickness:	GREY			Original Depth:	100 ft
Material Colour:	LIMESTONE			Material:	19 ft

<a href="#">74</a>	1 of 1	WNW/389.6	314.1	<b>GUELPH ON</b>	<a href="#">WWIS</a>
Well ID:	7152735			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561789			Northing Nad83:	4821628
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	24-AUG-10
Sec. Water Use:				Well Depth:	17 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	314.42			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2 ft
Material Colour:	FILL, , FILL			Material:	2 ft
+					
Thickness:	BROWN			Original Depth:	17 ft
Material Colour:	SAND, GRAVEL, SAND			Material:	15 ft

<a href="#">75</a>	1 of 1	WNW/372.5	314.0	<b>GUEPLH ON</b>	<a href="#">WWIS</a>
Well ID:	7152737			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561782			Northing Nad83:	4821610
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	24-AUG-10
Sec. Water Use:				Well Depth:	17 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	314.31			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	Not stated

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Thickness:	BROWN			Original Depth:	2 ft
Material Colour:	FILL, , FILL			Material:	2 ft
+					
Thickness:	BROWN			Original Depth:	17 ft
Material Colour:	SAND, GRAVEL, SAND			Material:	15 ft
<a href="#">76</a>	1 of 9	WNW/378.7	314.0	Upper Grand District School Board Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	GEN
Generator #:	ON5867684				
Approval Yrs:	03,04,05,06,07,08				
SIC Code:	611110				
SIC Description:	Elementary & Secondary Schools				
--- Details ---					
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
+					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
<a href="#">76</a>	2 of 9	WNW/378.7	314.0	Upper Grand District School Board Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	GEN
Generator #:	ON5867684				
Approval Yrs:	2009				
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				
--- Details ---					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
<a href="#">76</a>	3 of 9	WNW/378.7	314.0	Upper Grand District School Board Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	GEN
Generator #:	ON5867684				
Approval Yrs:	2010				
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				
--- Details ---					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
<a href="#">76</a>	4 of 9	WNW/378.7	314.0	Upper Grand District School Board 131 Ontario Street Guelph ON	GEN
Generator #:	ON8709148				
Approval Yrs:	2012				
SIC Code:	611110				
SIC Description:	Elementary and Secondary Schools				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">76</a>	5 of 9	WNW/378.7	314.0	Upper Grand District School Board Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	GEN
Generator #:		ON5867684			
Approval Yrs:		2012			
SIC Code:		611110			
SIC Description:		Elementary and Secondary Schools			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">76</a>	6 of 9	WNW/378.7	314.0	Upper Grand District School Board Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	GEN
Generator #:		ON8709148			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		222			
Waste Description:		Heavy fuels			
<a href="#">76</a>	7 of 9	WNW/378.7	314.0	Upper Grand District School Board Tytler P.S. - 131 Ontario St. Guelph ON N1E 3B3	GEN
Generator #:		ON5867684			
Approval Yrs:		02			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">76</a>	8 of 9	WNW/378.7	314.0	Upper Grand District School Board Tytler Public School 131 Ontario Street Guelph ON N1E 3B3	GEN
Generator #:		ON5867684			
Approval Yrs:		2011			
SIC Code:		611110			
SIC Description:		Elementary and Secondary Schools			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">76</a>	9 of 9	WNW/378.7	314.0	PRIVATE OWNER TYLER PUBLIC SCHOOL, 131 ONTARIO STREET MOTOR VEHICLE (OPERATING	SPL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>FLUID)</b> <b>GUELPH CITY ON N1E 3B3</b>					
Ref No.:		120327			
Incident Dt:		11/2/1995			
MOE Reported Dt:		11/2/1995			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		MCLELLANS DISPOSAL-13.5L HYDR OIL TO PVMT,TRACE TOSTORM.UNRECOVERABLE.WORKS			
Incident Cause:		PIPE/HOSE LEAK			
Incident Reason:		EQUIPMENT FAILURE			
Nature of Impact:					
Receiving Medium:		LAND / WATER			
Environmental Impact:		NOT ANTICIPATED			

<u>77</u>	1 of 1	NW/451.3	315.0	ON	WWIS
Well ID:	7196999			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561946			Northing Nad83:	4821843
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	11-JAN-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	

<u>78</u>	1 of 1	W/285.2	314.0	Guelph ON	WWIS
Well ID:	7210101			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561748			Northing Nad83:	4821518
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-AUG-13
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<u>79</u>	1 of 1	NNW/424.5	315.0	ON	WWIS
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Map Key	Number of Records	Direction/Distance m	Elevation m	Site	DB
Well ID:	7197003			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562003			Northing Nad83:	4821878
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	10-JAN-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
<b>80</b>	<b>1 of 1</b>	<b>W/281.3</b>	<b>314.0</b>	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7110194			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561747			Northing Nad83:	4821514
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Test Hole			Construction Date:	07-JUL-08
Sec. Water Use:				Well Depth:	5.1 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Auger			Flowing (y/n):	
Elevation (m):	313.85			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	.6 m
Material Colour:	SAND, SILT, DRY			Material:	.6 m
+					
Thickness:	BROWN			Original Depth:	4.5 m
Material Colour:	SAND, GRAVEL			Material:	3.9 m
+					
Thickness:	BROWN			Original Depth:	5.1 m
Material Colour:	SAND, WATER-BEARING			Material:	.6 m
<b>81</b>	<b>1 of 1</b>	<b>NNW/417.1</b>	<b>315.0</b>	<b>ON</b>	<b>WWIS</b>
Well ID:	7197004			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562016			Northing Nad83:	4821885
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	13-JAN-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Construction Method: Elevation (m): Depth to Bedrock: Water Type:				Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	

**82**      **1 of 1**                      **NNE/88.7**                      **313.3**                      **lot 5 ON**                      **WWIS**

Well ID:	6714526	Lot:	005
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	562466.6	Northing Nad83:	4821883
Zone:	17	Utm Reliability:	unknown UTM
Primary Water Use:	Municipal	Construction Date:	09-JUL-03
Sec. Water Use:		Well Depth:	180 ft
Pump Rate:	10 GPM	Static Water Level:	95 ft
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)	Flowing (y/n):	N
Elevation (m):	312.41	Elevation Reliability:	
Depth to Bedrock:	81	Overburden/Bedrock:	Bedrock
Water Type:	FRESH	Casing Material:	FRESH, MINERIAL

--- Details ---

Thickness:	BROWN	Original Depth:	32 ft
Material Colour:	CLAY, STONES, SILTY	Material:	21 ft
+			
Thickness:	GREY	Original Depth:	81 ft
Material Colour:	CLAY, STONES, SILTY	Material:	49 ft
+			
Thickness:	BROWN	Original Depth:	123 ft
Material Colour:	ROCK	Material:	42 ft
+			
Thickness:	GREY	Original Depth:	131 ft
Material Colour:	ROCK	Material:	8 ft
+			
Thickness:	WHITE	Original Depth:	180 ft
Material Colour:	ROCK	Material:	49 ft
+			
Thickness:	BROWN	Original Depth:	11 ft
Material Colour:	FILL	Material:	11 ft

**83**      **1 of 1**                      **W/185.9**                      **313.9**                      **PRIVATE RESIDENCE**                      **SPL**  
**206 NEEVE ST. FURNACE OIL TANK**  
**GUELPH CITY ON N1E 5S4**

Ref No.:	83864
Incident Dt:	4/10/1993
MOE Reported Dt:	4/10/1993
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	RESIDENT: FURNACE OIL TANK FELL OVER; 450L OIL TO GRND SOME TO BASEMENT
Incident Cause:	OTHER CONTAINER LEAK
Incident Reason:	CORROSION
Nature of Impact:	Soil contamination



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Receiving Medium: Environmental Impact:		LAND CONFIRMED			
<a href="#">84</a>	1 of 1	E/390.8	327.8	ON	WWIS
Well ID:	7199631			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562747			Northing Nad83:	4821492
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	20-MAR-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
<a href="#">85</a>	1 of 4	NNE/142.5	314.0	Elinor Knight 35 BROCKVILLE AVE, GUELPH, ON, N1E 5X5 GUELPH ON N1E 5X5	RSC
Date Submitted:	18-Dec-09				
Date Acknowledg.:					
Date Returned:					
Certification Date:	1-Jan-08				
Soil Type:					
Restoration Type:					
Registration #:	54918				
Stratified (Y/N):					
Criteria:					
Consultant:					
District Office:	GUELPH				
Intended Prop Use:	Residential				
Current Property Use:	Residential				
Certificate Prop Use #:	No CPU				
Applicable Standards:	Full Depth Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use				
Legal Description:	Lot 9, Plan 24; Guelph				
Prop. Identification #:	71237-0402LT				
Entire legal prop. (y/n):	Yes				
UTM Coordinates:	NAD83 17-562470-4821938 (converted from Latitude & Longitude)				
Latitude & Longitude:	43.54777780N 80.22666670W				
Accuracy Estimate:	6 to 10 meters				
Measurement Method:	Digitized from a satellite image				
CPU Issued Sect 1686:	No				
<a href="#">85</a>	2 of 4	NNE/142.5	314.0	Stone Cliff Ridge Developments Inc. 35 Brockville Avenue Guelph ON	RSC
Date Submitted:	2012-08-02				
Date Acknowledg.:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
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Date Returned:  
 Certification Date:  
 Soil Type:  
 Restoration Type:  
 Registration #: 203367  
 Stratified (Y/N):  
 Criteria:  
 Consultant:  
 District Office: Guelph  
 Intended Prop Use: Residential  
 Current Property Use:  
 Certificate Prop Use #:  
 Applicable Standards:  
 Legal Description:  
 Prop. Identification #:  
 Entire legal prop. (y/n):  
 UTM Coordinates:  
 Latitude & Longitude:  
 Accuracy Estimate:  
 Measurement Method:  
 CPU Issued Sect 1686:

<a href="#">85</a>	3 of 4	NNE/142.5	314.0	Stone Cliff Ridge Developments Inc. 35 Brockville Avenue Guelph ON N1E 5X5	RSC
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Date Submitted: 2012-08-02  
 Date Acknowledg.:  
 Date Returned:  
 Certification Date:  
 Soil Type:  
 Restoration Type:  
 Registration #: 203367  
 Stratified (Y/N):  
 Criteria:  
 Consultant:  
 District Office: Guelph  
 Intended Prop Use: Residential  
 Current Property Use:  
 Certificate Prop Use #:  
 Applicable Standards:  
 Legal Description:  
 Prop. Identification #:  
 Entire legal prop. (y/n):  
 UTM Coordinates:  
 Latitude & Longitude:  
 Accuracy Estimate:  
 Measurement Method:  
 CPU Issued Sect 1686:

<a href="#">85</a>	4 of 4	NNE/142.5	314.0	denied s. 21(1) 35 Brockville Avenue Guelph ON N1E 5X5	SPL
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Ref No.: 3467-6CUUPS  
 Incident Dt: 5/29/2005  
 MOE Reported Dt: 5/29/2005  
 Contaminant Name: FURNACE OIL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Contaminant Quantity:  Incident Summary: Pri Res: Fuel Oil to basement/drain  Incident Cause: Container Leak (Fuel Tank Barrels)  Incident Reason: Unknown - Reason not determined  Nature of Impact: Other Impact(s); Soil Contamination  Receiving Medium: Land  Environmental Impact: Possible</p>					
<a href="#">86</a>	1 of 1	NNE/131.3	314.6	<b>Guelph ON</b>	WWIS
Well ID:	7117460			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562475			Northing Nad83:	4821946
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):	313.99			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
<a href="#">87</a>	1 of 1	NNE/135.3	315.0	<b>ON</b>	WWIS
Well ID:	7052489			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562477			Northing Nad83:	4821953
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	01-NOV-07
Sec. Water Use:				Well Depth:	m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):	314.18			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	m
Material Colour:				Material:	m
<a href="#">88</a>	1 of 1	NNE/134.2	315.0	<b>GUELPH ON</b>	WWIS
Well ID:	6715980			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562481			Northing Nad83:	4821955
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	10-OCT-06

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Rotary (Convent.) Elevation (m): 314.26 Depth to Bedrock: Water Type:				Well Depth: 5.79 m Static Water Level: Clear/Cloudy: Final Well Status: Observation Wells Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Overburden Casing Material: FRESH, Not stated	
--- Details ---					
Thickness:	BROWN			Original Depth: 5.79 m	
Material Colour:	SAND, GRAVEL			Material: 5.74 m	
+					
Thickness:	BLACK			Original Depth: .05 m	
Material Colour:				Material: .05 m	
<a href="#">89</a>	1 of 2	WNW/419.5	315.0	<b>FirstOnSite</b> <b>98 Ontario St</b> <b>Guelph ON</b>	GEN
Generator #:	ON8999157				
Approval Yrs:	2009				
SIC Code:	238990				
SIC Description:	All Other Specialty Trade Contractors				
--- Details ---					
Waste Code:	150				
Waste Description:	INERT INORGANIC WASTES				
<a href="#">89</a>	2 of 2	WNW/419.5	315.0	<b>98 ONTARIO STREET</b> <b>GUELPH ON N1E 3B2</b>	HINC
External File Num:	FS INC 0902-00825				
Date of Occurrence:	2/10/2009				
Fuel Occurrence Type:	Fire				
Fuel Type Involved:	Natural Gas				
Status Desc:	Completed - Causal Analysis(End)				
Job Type Desc:	Incident/Near-Miss Occurrence (FS)				
Oper. Type Involved:	Private Dwelling				
Service Interruptions:	Yes				
Property Damage:	Yes				
Fuel Life Cycle Stage:	Utilization				
Root Cause:	Root Cause: Equipment/Material/Component:No Procedures:No Maintenance:No Design:No Training:No Management:No Human Factors:No E				
Reported Details:					
Fuel Category:	Unknown				
Occurrence Type:	Incident				
Affiliation:	Safety Authorities (MOL, ESA, Insurers, etc.)				
County Name:	Wellington				
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					
<a href="#">90</a>	1 of 1	NNE/147.3	315.0	GUELPH ON	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7186397			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562475			Northing Nad83:	4821967
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	08-JUL-12
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">91</a>	1 of 1	NNE/152.9	315.0	<b>GUELPH ON</b>	WWIS
Well ID:	7186400			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562471			Northing Nad83:	4821971
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	08-JUL-12
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">92</a>	1 of 1	N/289.9	314.0	<b>CRAWFORD TRANSPORT STEPHENSON AND YORK ROAD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON</b>	SPL
Ref No.:	113460				
Incident Dt:	5/21/1995				
MOE Reported Dt:	5/21/1995				
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:	CRAWFORD TRANSPORT-30 L SOAP BASE TO ROADWAY,FD,PD,WORKS,HUNTSMAN.				
Incident Cause:	UNKNOWN				
Incident Reason:	ERROR				
Nature of Impact:	Water course or lake				
Receiving Medium:	LAND				
Environmental Impact:	POSSIBLE				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">93</a>	1 of 1	NNE/149.7	315.0	<b>GUELPH ON</b>	WWIS
Well ID:	7186396			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562476			Northing Nad83:	4821971
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	08-JUL-12
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft
<a href="#">94</a>	1 of 1	NNE/175.8	315.0	<b>GUELPH ON</b>	WWIS
Well ID:	7044718			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562451			Northing Nad83:	4821984
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	16-JAN-07
Sec. Water Use:				Well Depth:	4.88 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	314.41			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	.3 m
Material Colour:	TOPSOIL, LOOSE			Material:	.3 m
+					
Thickness:	BROWN			Original Depth:	2.44 m
Material Colour:	CLAY, SILT, DENSE			Material:	2.14 m
+					
Thickness:	BROWN			Original Depth:	3.66 m
Material Colour:	CLAY, GRAVEL, DENSE			Material:	1.22 m
+					
Thickness:	GREY			Original Depth:	4.88 m
Material Colour:	CLAY, GRAVEL, DENSE			Material:	1.22 m
<a href="#">95</a>	1 of 2	NNE/151.9	315.0	<b>GUELPH ON</b>	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7186399			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562475			Northing Nad83:	4821973
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	08-JUL-12
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">95</a>	<b>2 of 2</b>	<b>NNE/151.9</b>	<b>315.0</b>	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7186398			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562475			Northing Nad83:	4821973
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	08-JUL-12
Sec. Water Use:				Well Depth:	ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">96</a>	<b>1 of 1</b>	<b>NNE/147.3</b>	<b>315.0</b>	<b>ON</b>	<b>WWIS</b>
Well ID:	7167208			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562482			Northing Nad83:	4821973
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	29-JUN-11
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">97</a>	1 of 1	NNW/455.7	315.0	Stevensen St S (between York and Elizabeth) Guelph ON	EHS
Order No.:		20090826038			
Report Date:		9/1/2009			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Sire Plans; Aerial Photos			
<a href="#">98</a>	1 of 1	NNE/155.3	315.0	GUELPH ON	WWIS
Well ID:		7186342		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562478		GUELPH TOWNSHIP	
Zone:		17		Northing Nad83:	
Primary Water Use:		Monitoring		4821980	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				08-JUL-12	
Construction Method:				Well Depth:	
Elevation (m):				ft	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
---		---		Final Well Status:	
Thickness:				Abandoned-Supply	
Material Colour:				Flowing (y/n):	
				Elevation Reliability:	
				Overburden/Bedrock:	
				Casing Material:	
				Not stated	
<a href="#">99</a>	1 of 1	NNE/225.8	315.0	GUELPH ON	WWIS
Well ID:		7048091		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562415		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Not Used		4822019	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 10 - 30 m	
Flow Rate:				Construction Date:	
Specific Capacity:				19-JUL-07	
Construction Method:		Digging		Well Depth:	
Elevation (m):		314.44		7.6 m	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
---		---		Final Well Status:	
Thickness:		BROWN		Observation Wells	
Material Colour:		SAND, GRAVEL		Flowing (y/n):	
				Elevation Reliability:	
				Overburden/Bedrock:	
				Casing Material:	
				Not stated	
---		---		Original Depth:	
Thickness:				7.6 m	
Material Colour:				Material:	
				7.6 m	



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">100</a>	1 of 1	SW/229.0	310.9	<b>ON</b>	WWIS
Well ID:	7202397			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561822			Northing Nad83:	4821009
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	15-APR-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	

<a href="#">101</a>	1 of 1	S/488.9	324.5	<b>lot 15 con 2 ROCKWOOD ON</b>	WWIS
Well ID:	7043461			Lot:	015
Concession:	02			Concession Name:	CON
County:	WELLINGTON			Municipality:	ERAMOSIA TOWNSHIP
Easting Nad83:	562239			Northing Nad83:	4820862
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Domestic			Construction Date:	17-APR-07
Sec. Water Use:				Well Depth:	120 ft
Pump Rate:	10 GPM			Static Water Level:	8 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Air)			Flowing (y/n):	
Elevation (m):	324.39			Elevation Reliability:	
Depth to Bedrock:	184			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, MINERIAL
--- Details ---					
Thickness:	BROWN			Original Depth:	85 ft
Material Colour:	LIMESTONE			Material:	29 ft
+					
Thickness:	GREY			Original Depth:	56 ft
Material Colour:	CLAY, STONES			Material:	26 ft
+					
Thickness:	BROWN			Original Depth:	30 ft
Material Colour:	CLAY, STONES			Material:	30 ft
+					
Thickness:	BROWN			Original Depth:	120 ft
Material Colour:	ROCK			Material:	35 ft

<a href="#">102</a>	1 of 1	WSW/79.4	312.0	<b>GEULPH ON</b>	WWIS
Well ID:	6714814			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561605			Northing Nad83:	4821294

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:	Not Used			Construction Date:	08-JAN-04
Sec. Water Use:				Well Depth:	4.3 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	312.06			Elevation Reliability:	
Depth to Bedrock:	0			Overburden/Bedrock:	Mixed in a Layer
Water Type:	FRESH			Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	.15 m
Material Colour:	UNKNOWN TYPE			Material:	.15 m
+					
Thickness:	BROWN			Original Depth:	4.3 m
Material Colour:	SAND, GRAVEL, ROCK			Material:	4.15 m

<a href="#">103</a>	1 of 1	E/499.0	327.6	ON	WWIS
Well ID:	7199630			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562847			Northing Nad83:	4821435
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	28-FEB-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	

<a href="#">104</a>	1 of 1	WNW/389.7	315.0	172 Arthur Street & 20 Manitoba St Guelph ON	EHS
Order No.:	20101206010				
Report Date:	12/10/2010				
Report Type:	Custom Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					

<a href="#">105</a>	1 of 1	E/392.2	330.0	ON	WWIS
Well ID:	7200167			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562848			Northing Nad83:	4821576
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	19-MAR-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:				Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
<a href="#">106</a>	1 of 1	NNE/298.5	315.0	<b>BILLMORE HATS STORM SEWER OUTFALL AT END OF BROCKVILLE AVE @ YORK RD 139 MORRIS ST, GUELPH GUELPH CITY ON</b>	<b>SPL</b>
Ref No.:		218190			
Incident Dt:		12/13/2001			
MOE Reported Dt:		12/13/2001			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		BILLMORE HATS:BLUE MATER-IAL COMING FROM STORM SE-WER TO DITCH. CLEANING.			
Incident Cause:		OTHER CAUSE (N.O.S.)			
Incident Reason:		ERROR			
Nature of Impact:		Water course or lake			
Receiving Medium:		Water			
Environmental Impact:		Possible			
<a href="#">107</a>	1 of 1	NNE/274.0	315.0	<b>Boxed Meat Revolution Ltd. 383 York Rd Guelph ON N1E 3H3</b>	<b>SCT</b>
Established:		01-AUG-77			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		413160			
Description:		Red Meat and Meat Product Wholesaler-Distributors			
+					
SIC/NAICS Code:		413120			
Description:		Dairy and Milk Products Wholesaler-Distributors			
+					
SIC/NAICS Code:		413160			
Description:		Red Meat and Meat Product Wholesaler-Distributors			
<a href="#">108</a>	1 of 1	NNE/314.5	315.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:		7185539		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562365		Northing Nad83:	
Zone:		17		Utm Reliability:	
Primary Water Use:		Test Hole		Construction Date:	
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:		Rotary (Convent.)		Flowing (y/n):	
				margin of error : 30 m - 100 m	
				13-JUL-12	
				20 ft	
				Test Hole	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Elevation (m): Depth to Bedrock: Water Type:				Elevation Reliability: Overburden/Bedrock: Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	5 ft
Material Colour:	FILL, , LOOSE			Material:	5 ft
+					
Thickness:	BROWN			Original Depth:	20 ft
Material Colour:	MEDIUM SAND, STONES, LOOSE			Material:	15 ft
<a href="#">109</a>	1 of 1	ENE/343.5	327.4	<b>Guelph ON</b>	<a href="#">WWIS</a>
Well ID:	7207758			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562848			Northing Nad83:	4821640
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	04-APR-13
Sec. Water Use:				Well Depth:	45.5 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Sonic			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2 ft
Material Colour:	SAND, TOPSOIL			Material:	2 ft
+					
Thickness:	BROWN			Original Depth:	4.5 ft
Material Colour:	CLAY, SILT, SAND			Material:	2.5 ft
+					
Thickness:	BROWN			Original Depth:	8.5 ft
Material Colour:	SAND, GRAVEL			Material:	4 ft
+					
Thickness:	BROWN			Original Depth:	13 ft
Material Colour:	SILT, CLAY, SAND			Material:	4.5 ft
+					
Thickness:	BROWN			Original Depth:	12 ft
Material Colour:	SAND, SILT			Material:	-1 ft
+					
Thickness:	BROWN			Original Depth:	34 ft
Material Colour:	SAND, GRAVEL			Material:	22 ft
+					
Thickness:	BROWN			Original Depth:	45.5 ft
Material Colour:	ROCK			Material:	11.5 ft
<a href="#">110</a>	1 of 1	E/415.1	330.2	<b>ON</b>	<a href="#">WWIS</a>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	7200168  WELLINGTON 562868 17			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	GUELPH TOWNSHIP 4821563 margin of error : 30 m - 100 m 14-MAR-13
<b><u>111</u></b>	<b>1 of 1</b>	<b>E/404.6</b>	<b>330.1</b>	<b>ON</b>	<b>WWIS</b>
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	7200166  WELLINGTON 562866 17			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	GUELPH TOWNSHIP 4821575 margin of error : 30 m - 100 m 25-MAR-13
<b><u>112</u></b>	<b>1 of 1</b>	<b>E/415.5</b>	<b>330.4</b>	<b>ON</b>	<b>WWIS</b>
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	7200331  WELLINGTON 562871 17			Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	GUELPH CITY 4821565 margin of error : 30 m - 100 m 27-MAR-13
<b><u>113</u></b>	<b>1 of 5</b>	<b>NNE/318.9</b>	<b>315.0</b>	<b>AYAAN FAMT INC 390 YORK RD GUELPH ON N1E 3H4</b>	<b>FST</b>

Instance Number: 10771988

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 25000 Tank Material: Steel Corrosion Protection: Sacrificial anode Tank Type: Single Wall UST Install Year: 1985 Parent Facility Type: FS Gasoline Station - Full Serve Facility Type: FS Liquid Fuel Tank					

[113](#)    2 of 5       **NNE/318.9**    315.0    **AYAAN FAMT INC**    **FST**  
**390 YORK RD**  
**GUELPH ON N1E 3H4**

Instance Number: 10772005  
 Cont Name:  
 Instance Type: FS Liquid Fuel Tank  
 Fuel Type: Gasoline  
 Status: Active  
 Capacity: 35000  
 Tank Material: Steel  
 Corrosion Protection: Sacrificial anode  
 Tank Type: Single Wall UST  
 Install Year: 1988  
 Parent Facility Type: FS Gasoline Station - Full Serve  
 Facility Type: FS Liquid Fuel Tank

[113](#)    3 of 5       **NNE/318.9**    315.0    **AYAAN FAMT INC**    **FST**  
**390 YORK RD**  
**GUELPH ON N1E 3H4**

Instance Number: 10772022  
 Cont Name:  
 Instance Type: FS Liquid Fuel Tank  
 Fuel Type: Gasoline  
 Status: Active  
 Capacity: 25000  
 Tank Material: Steel  
 Corrosion Protection: Sacrificial anode  
 Tank Type: Single Wall UST  
 Install Year: 1985  
 Parent Facility Type: FS Gasoline Station - Full Serve  
 Facility Type: FS Liquid Fuel Tank

[113](#)    4 of 5       **NNE/318.9**    315.0    **AYAAN FAMT INC**    **FST**  
**390 YORK RD**  
**GUELPH ON N1E 3H4**

Instance Number: 10772042  
 Cont Name:  
 Instance Type: FS Liquid Fuel Tank  
 Fuel Type: Diesel  
 Status: Active  
 Capacity: 15000  
 Tank Material: Steel

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		Sacrificial anode Single Wall UST 1988 FS Gasoline Station - Full Serve FS Liquid Fuel Tank			
<a href="#">113</a>	5 of 5	NNE/318.9	315.0	<b>MAPLE LEAF GAS &amp; FUELS LTD</b> <b>390 YORK RD</b> <b>GUELPH ON N1E3H4</b>	RST
Facility: Description:		SERVICE STATIONS GASOLINE OIL & NATURAL			
<a href="#">114</a>	1 of 4	NNE/323.9	315.0	<b>MAPLE LEAF GAS</b> <b>390 YORK RD</b> <b>GUELPH ON N1E 3H4</b>	FSTH
License Issue Date: Tank Status: Tank Status As Of: Operation Type: Facility Type:		9/27/2002 Pending Renewal August 2007 Retail Fuel Outlet Gasoline Station - Full Serve			
--- Details ---					
Status: Capacity (L): Year of Installation: Corrosion Protection: Tank Fuel Type:		Active 25000 1987 Liquid Fuel Single Wall UST - Gasoline			
+					
Status: Capacity (L): Year of Installation: Corrosion Protection: Tank Fuel Type:		Active 35000 1987 Liquid Fuel Single Wall UST - Gasoline			
+					
Status: Capacity (L): Year of Installation: Corrosion Protection: Tank Fuel Type:		Active 25000 1987 Liquid Fuel Single Wall UST - Gasoline			
+					
Status: Capacity (L): Year of Installation: Corrosion Protection: Tank Fuel Type:		Active 15000 1987 Liquid Fuel Single Wall UST - Diesel			
<a href="#">114</a>	2 of 4	NNE/323.9	315.0	<b>MAPLE LEAF GAS</b> <b>390 YORK RD</b> <b>GUELPH ON N1E 3H4</b>	FSTH
License Issue Date: Tank Status: Tank Status As Of: Operation Type: Facility Type:		9/27/2002 Licensed December 2008 Retail Fuel Outlet Gasoline Station - Full Serve			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Status:		Active			
Capacity (L):		25000			
Year of Installation:		1987			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity (L):		35000			
Year of Installation:		1987			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity (L):		25000			
Year of Installation:		1987			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity (L):		15000			
Year of Installation:		1987			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
<hr/>					
<a href="#">114</a>	3 of 4	NNE/323.9	315.0	MAPLE LEAF GAS & FUELS LTD AND QUALITY AUTO GLASS 390 YORK RD GUELPH ON N1E3H4	PRT
Location ID:		5684			
Type:		retail			
Expiry Date:		1995-07-31			
Capacity (L):		100000			
Licence #:		0054464001			
<hr/>					
<a href="#">114</a>	4 of 4	NNE/323.9	315.0	MAPLE LEAF GAS & FUELS LTD 390 YORK RD GUELPH ON N1E 3H4	RST
Facility:		SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
Description:					
<hr/>					
<a href="#">115</a>	1 of 3	NNE/279.1	315.0	BURNELL PRINTING LIMITED 405 YORK RD. GUELPH ON N1E 3H3	GEN
Generator #:		ON0595800			
Approval Yrs:		86,87,88,89,90			
SIC Code:		0007			
SIC Description:		LETTER ACKNOWLEDG.			
--- Details ---					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		253			



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		EMULSIFIED OILS			
+					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
<a href="#">115</a>	2 of 3	NNE/279.1	315.0	BURNELL PRINTING LIMITED 405 YORK ROAD GUELPH ON N1E 3H3	GEN
Generator #:		ON0595800			
Approval Yrs:		92,93,97,98,99,00,01			
SIC Code:		2819			
SIC Description:		OTHER COMM. PRINTING			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
+					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
+					
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
<a href="#">115</a>	3 of 3	NNE/279.1	315.0	BURNELL PRINTING LIMITED 405 YORK RD. GUELPH ON N1E 3H3	06-144 GEN
Generator #:		ON0595800			
Approval Yrs:		94,95,96			
SIC Code:		2819			
SIC Description:		OTHER COMM. PRINTING			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
+					
Waste Code:		264			
Waste Description:		PHOTOPROCESSING WASTES			
+					
Waste Code:		265			
Waste Description:		GRAPHIC ART WASTES			
<a href="#">116</a>	1 of 1	W/214.6	314.5	161 Neeve Street & 47 Richardson Street South Guelph ON	EHS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Order No.: 20130117001 Report Date: 22-JAN-13 Report Type: Custom Report Search Radius (km): .25 Addit. Info Ordered:					
<a href="#">117</a>	1 of 1	N/449.0	315.0	ON	WWIS
Well ID: 7197404 Concession: Wellington County: WELLINGTON Easting Nad83: 562222 Zone: 17 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:					
Lot: Concession Name: Municipality: GUELPH TOWNSHIP Northing Nad83: 4822148 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 21-NOV-12 Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:					
<a href="#">118</a>	1 of 3	N/461.8	315.0	Insitu Contractors Inc. Guelph ON N1E 5N7	EBR
Year: 2009 EBR Registry No.: 010-5850 Ministry Ref. No.: 2213-7NWR99 Type: Instrument Proposal Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 2/9/2009 Location: Mobile Facility Guelph, County of Wellington, N1E 5N7 Proponent Address: 150 Stevenson Street South Guelph Ontario Canada N1E 5N7					
<a href="#">118</a>	2 of 3	N/461.8	315.0	Insitu Contractors Inc. Guelph ON N1E 5N7	EBR
Year: 2008 EBR Registry No.: 010-4652 Ministry Ref. No.: 2536-7HAGYQ Type: Instrument Proposal Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: September 16, 2008 Location: Mobile Facility Guelph County of Wellington N1E 5N7 Proponent Address: 150 Stevenson Street South Guelph Ontario Canada N1E 5N7					
<a href="#">118</a>	3 of 3	N/461.8	315.0	Insitu Contractors Inc. Guelph ON	EBR
Year: 2008					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>EBR Registry No.:</i> 010-2469 <i>Ministry Ref. No.:</i> 8959-798SJQ <i>Type:</i> Instrument Decision <i>Instrument Type:</i> (OWRA s. 53(1)) - Approval for sewage works <i>Proposal Date:</i> January 03, 2008 <i>Location:</i> CITY OF GUELPH <i>Proponent Address:</i> 150 Stevenson Street South Guelph Ontario Canada N1E 5N7					
<a href="#">119</a>	1 of 1	N/442.3	315.0	<b>Insitu Contractors Inc. 150 Stevenson St S Guelph ON</b>	GEN
<i>Generator #:</i> ON6338475 <i>Approval Yrs:</i> 2013 <i>SIC Code:</i> 532410, 237990 <i>SIC Description:</i> CONSTRUCTION, TRANSPORTATION, MINING, AND FORESTRY MACHINERY AND EQUIPMENT RENTAL AND LEASING, OTHER HEAVY AND CIVIL ENGINEERING CONSTRUCTION  --- Details --- <i>Waste Code:</i> 252 <i>Waste Description:</i> WASTE OILS & LUBRICANTS + <i>Waste Code:</i> 251 <i>Waste Description:</i> OIL SKIMMINGS & SLUDGES					
<a href="#">120</a>	1 of 1	W/376.3	315.0	<b>PRE-SIXTIES CARS &amp; PARTS LTD 60 ONTARIO ST GUELPH ON N1E3B1</b>	AUWR
<i>Facility Description:</i> AUTOMOBILE PARTS & SUPPLIES USED & REBU					
<a href="#">121</a>	1 of 7	N/445.3	315.0	<b>Insitu Contractors Inc. 150 Stevenson St S Guelph ON N1E 5N7</b>	GEN
<i>Generator #:</i> ON6338475 <i>Approval Yrs:</i> 2010 <i>SIC Code:</i> 532410 <i>SIC Description:</i> Construction Transportation Mining and Forestry Machinery and Equipment Rental and Leasing  --- Details --- <i>Waste Code:</i> 252 <i>Waste Description:</i> WASTE OILS & LUBRICANTS + <i>Waste Code:</i> 251 <i>Waste Description:</i> OIL SKIMMINGS & SLUDGES					
<a href="#">121</a>	2 of 7	N/445.3	315.0	<b>Insitu Contractors Inc. 150 Stevenson St S Guelph ON N1E 5N7</b>	GEN
<i>Generator #:</i> ON6338475 <i>Approval Yrs:</i> 2011 <i>SIC Code:</i> 532410 <i>SIC Description:</i> Construction Transportation Mining and Forestry Machinery and Equipment Rental and Leasing					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
	+				
	Waste Code:	251			
	Waste Description:	OIL SKIMMINGS & SLUDGES			
<a href="#">121</a>	3 of 7	N/445.3	315.0	<b>Insitu Contractors Inc. 150 Stevenson St S Guelph ON N1E 5N7</b>	GEN
	Generator #:	ON6338475			
	Approval Yrs:	2009			
	SIC Code:	532410			
	SIC Description:	Construction Transportation Mining and Forestry Machinery and Equipment Rental and Leasing			
--- Details ---					
	Waste Code:	251			
	Waste Description:	OIL SKIMMINGS & SLUDGES			
	+				
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
<a href="#">121</a>	4 of 7	N/445.3	315.0	<b>Insitu Contractors Inc. 150 Stevenson St S Guelph ON N1E 5N7</b>	GEN
	Generator #:	ON6338475			
	Approval Yrs:	02,03,04,05,06,07,08			
	SIC Code:				
	SIC Description:				
--- Details ---					
	Waste Code:	251			
	Waste Description:	OIL SKIMMINGS & SLUDGES			
	+				
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
<a href="#">121</a>	5 of 7	N/445.3	315.0	<b>Insitu Contractors Inc. 150 Stevenson St S Guelph ON N1E 5N7</b>	GEN
	Generator #:	ON6338475			
	Approval Yrs:	As of April 2014			
	SIC Code:				
	SIC Description:				
--- Details ---					
	Waste Code:	251			
	Waste Description:	Waste oils/sludges (petroleum based)			
	+				
	Waste Code:	252			
	Waste Description:	Waste crankcase oils and lubricants			
<a href="#">121</a>	6 of 7	N/445.3	315.0	<b>Insitu Contractors Inc. 150 Stevenson St S Guelph ON N1E 5N7</b>	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON6338475			
Approval Yrs:		2012			
SIC Code:		532410			
SIC Description:		Construction Transportation Mining and Forestry Machinery and Equipment Rental and Leasing			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">121</a>	7 of 7	N/445.3	315.0	Insitu Contractors Inc. 150 Stevenson St S Guelph ON N1E 5N7	SCT
Established:		01-JUN-94			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		562910			
Description:		Remediation Services			
+					
SIC/NAICS Code:		333990			
Description:		All Other General-Purpose Machinery Manufacturing			
+					
SIC/NAICS Code:		417230			
Description:		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
<a href="#">122</a>	1 of 5	N/480.8	315.0	TALLON METAL TECHNOLOGIES INC. - LOT 1 STEVENSON ST./BEVERLY ST. GUELPH CITY ON	CA
Certificate #:		8-2046-92-			
Application Year:		92			
Issue Date:		7/29/1992			
Approval Type:		Industrial air			
Status:		Cancelled			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		OPERATE SOILS TREATMENT DEMO PLANT			
Contaminants:					
Emission Control:					
<a href="#">122</a>	2 of 5	N/480.8	315.0	GUELPH HYDRO BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH ON N1H 1A7	GEN
Generator #:		ON0558303			
Approval Yrs:		89,90			
SIC Code:		4911			
SIC Description:		ELECT. POWER SYS.			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
		Waste Code:	122		
		Waste Description:	ALKALINE WASTES - OTHER METALS		
		+			
		Waste Code:	251		
		Waste Description:	OIL SKIMMINGS & SLUDGES		
<a href="#">122</a>	3 of 5	N/480.8	315.0	<b>GUELPH HYDRO BEVERLEY ST. AT STEVENSON ST. SOUTH GUELPH ON N1H 1A7</b>	GEN
		Generator #:	ON0558303		
		Approval Yrs:	92,93,97,98		
		SIC Code:	4911		
		SIC Description:	ELECT. POWER SYS.		
--- Details ---					
		Waste Code:	122		
		Waste Description:	ALKALINE WASTES - OTHER METALS		
		+			
		Waste Code:	251		
		Waste Description:	OIL SKIMMINGS & SLUDGES		
<a href="#">122</a>	4 of 5	N/480.8	315.0	<b>GUELPH HYDRO BEVERLEY STREET AT STEVENSON STREET SOUTH GUELPH ON</b>	GEN
		Generator #:	ON0558303		
		Approval Yrs:	99,00,01,03,04		
		SIC Code:	4911		
		SIC Description:	ELECT. POWER SYS.		
--- Details ---					
		Waste Code:	122		
		Waste Description:	ALKALINE WASTES - OTHER METALS		
		+			
		Waste Code:	251		
		Waste Description:	OIL SKIMMINGS & SLUDGES		
<a href="#">122</a>	5 of 5	N/480.8	315.0	<b>GUELPH HYDRO 18-344 BEVERLEY ST. AT STEVENSON ST. SOUTH C/O 104 DAWSON ROAD GUELPH ON N1H 1A7</b>	GEN
		Generator #:	ON0558303		
		Approval Yrs:	94,95,96		
		SIC Code:	4911		
		SIC Description:	ELECT. POWER SYS.		
--- Details ---					
		Waste Code:	122		
		Waste Description:	ALKALINE WASTES - OTHER METALS		
		+			
		Waste Code:	251		
		Waste Description:	OIL SKIMMINGS & SLUDGES		

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">123</a>	1 of 1	W/379.9	314.8	PRE-SIXTIES CARS & PARTS LTD 60 ONTARIO ST GUELPH ON N1E 3B1	AUWR

Facility: AUTOMOBILE PARTS & SUPPLIES-USED & REBUILT  
Description:

<a href="#">124</a>	1 of 1	NNE/328.4	315.0	LEWIS UPHOLSTERY 404 YORK RD GUELPH ON N1E 3H4	SCT
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Established: 1972  
Plant Size (ft²): 0  
Employment: 3

--- Details ---

SIC/NAICS Code: 2512  
Description: WOOD HOUSEHOLD FURNITURE, UPHOLSTERED

<a href="#">125</a>	1 of 1	WNW/494.5	313.7	31 Alice Street Guelph ON N1E 2Z7	EHS
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Order No.: 20080522008  
Report Date: 5/30/2008  
Report Type: Complete Report  
Search Radius (km): 0.25  
Addit. Info Ordered:

<a href="#">126</a>	1 of 3	W/384.1	314.0	TOTAL GARDENING SERVICES LTD 50 ONTARIO ST. GUELPH ON N1E 3B1	PES
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Licence No.:  
Licence Type: Operator

<a href="#">126</a>	2 of 3	W/384.1	314.0	TOTAL GARDENING SERVICES LTD 50 ONTARIO ST. GUELPH ON N1E 3B1	PES
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Licence No.: 02-01-07083-0  
Licence Type: OPERATOR

<a href="#">126</a>	3 of 3	W/384.1	314.0	TOTAL GARDENING SERVICES LTD 50 ONTARIO ST GUELPH ON N1E 3B1	PES
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Licence No.:  
Licence Type: Operator

<a href="#">127</a>	1 of 1	SW/181.6	308.0	James Street East Guelph ON	EHS
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Order No.: 20121126042

258

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Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Report Date:		28-NOV-12			
Report Type:		Custom Report			
Search Radius (km):		.4			
Addit. Info Ordered:					
<a href="#">128</a>	1 of 1	W/250.9	314.0	<b>Bartlett Woodworking 141 Neeve St Guelph ON N1E 5S2</b>	<b>SCT</b>
Established:		01-JUN-01			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		337213			
Description:		Wood Office Furniture, including Custom Architectural Woodwork, Manufacturing			
+					
SIC/NAICS Code:		337123			
Description:		Other Wood Household Furniture Manufacturing			
<a href="#">129</a>	1 of 1	N/432.0	315.0	<b>Bell Canada 101 Beverly St Guelph ON</b>	<b>GEN</b>
Generator #:		ON8552358			
Approval Yrs:		2013			
SIC Code:		517110, 517210, 517510			
SIC Description:		WIRED TELECOMMUNICATIONS CARRIERS, WIRELESS TELECOMMUNICATIONS CARRIERS (EXCEPT SATELLITE)			
--- Details ---					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
<a href="#">130</a>	1 of 1	NNE/284.5	315.0	<b>ALCO VALVES LTD. 433 YORK RD GUELPH ON N1E 3H6</b>	<b>SCT</b>
Established:		1993			
Plant Size (ft²):		1000			
Employment:		2			
--- Details ---					
SIC/NAICS Code:		5085			
Description:		INDUSTRIAL SUPPLIES			
<a href="#">131</a>	1 of 2	NNE/330.1	315.0	<b>1028119 ONTARIO LIMITED 408 YORK RD GUELPH ON N1E 3H5</b>	<b>EXP</b>
Instance ID:		39458			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10771980			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">131</a>	2 of 2	NNE/330.1	315.0	1028119 ONTARIO LIMITED 408 YORK RD GUELPH ON N1E 3H5	EXP
Instance ID:		72063			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		11181073			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
<a href="#">132</a>	1 of 9	NNE/333.7	315.0	1028119 ONTARIO LIMITED 408 YORK RD GUELPH ON N1E 3H5	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		9737014			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:					
<a href="#">132</a>	2 of 9	NNE/333.7	315.0	1028119 ONTARIO LIMITED 408 YORK RD GUELPH ON N1E 3H5	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		11181073			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
<a href="#">132</a>	3 of 9	NNE/333.7	315.0	1028119 ONTARIO LIMITED 408 YORK RD GUELPH ON N1E 3H5	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10771980			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
<a href="#">132</a>	4 of 9	NNE/333.7	315.0	SHAMLOW SERVICE O/A GAS STN 408 YORK RD GUELPH ON N1E 3H5	FST
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		11281107			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
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Cont Name:  
 Instance Type: FS Liquid Fuel Tank  
 Fuel Type: Gasoline  
 Status: Active  
 Capacity: 22730  
 Tank Material: Fiberglass (FRP)  
 Corrosion Protection: Fiberglass  
 Tank Type: Liquid Fuel Single Wall UST  
 Install Year: 1990  
 Parent Facility Type: FS GASOLINE STATION - FULL SERVE  
 Facility Type:

<a href="#">132</a>	5 of 9	NNE/333.7	315.0	SHAMLOW SERVICE O/A GAS STN 408 YORK RD GUELPH ON N1E 3H5	FST
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Instance Number: 11281129  
 Cont Name:  
 Instance Type: FS Liquid Fuel Tank  
 Fuel Type: Gasoline  
 Status: Active  
 Capacity: 31822  
 Tank Material: Fiberglass (FRP)  
 Corrosion Protection: Fiberglass  
 Tank Type: Liquid Fuel Single Wall UST  
 Install Year: 1990  
 Parent Facility Type: FS GASOLINE STATION - FULL SERVE  
 Facility Type:

<a href="#">132</a>	6 of 9	NNE/333.7	315.0	1028119 ONTARIO LIMITED 408 YORK RD GUELPH ON N1E 3H5	PRT
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Location ID: 5683  
 Type: retail  
 Expiry Date: 1995-01-31  
 Capacity (L): 2640  
 Licence #: 0076410422

<a href="#">132</a>	7 of 9	NNE/333.7	315.0	SAMS AUTO SERVICE LTD 408 YORK RD GUELPH ON N1E 3H5	PRT
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Location ID: 5683  
 Type: retail  
 Expiry Date: 1995-06-30  
 Capacity (L): 54552  
 Licence #: 0076421957

<a href="#">132</a>	8 of 9	NNE/333.7	315.0	HILTON GROUP GAS 408 YORK RD GUELPH ON N1E 3H5	RST
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Facility: Service Stations-Gasoline, Oil & Natural Gas  
 Description:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">132</a>	9 of 9	NNE/333.7	315.0	<b>CANGO PETROLEUMS LTD. 408 YORK RD. SERVICE STATION GUELPH CITY ON N1E 3H5</b>	<b>SPL</b>
<p>Ref No.: 19540  Incident Dt: 6/1/1989  MOE Reported Dt: 6/2/1989  Contaminant Name:  Contaminant Quantity:  Incident Summary: CANGO SERV. STN. -UNKNOWNQTY. GASOLINE TO GROUND DUE TO TANK OVERFLOW.  Incident Cause: CONTAINER OVERFLOW  Incident Reason: UNKNOWN  Nature of Impact:  Receiving Medium: LAND  Environmental Impact:</p>					
<a href="#">133</a>	1 of 1	W/352.8	313.0	<b>ADM Agri-Industries Company 24 Ontario Street Guelph ON N1E 3B1</b>	<b>SPL</b>
<p>Ref No.: 7510-8X6KHP  Incident Dt: 14-AUG-12  MOE Reported Dt: 14-AUG-12  Contaminant Name: ENGINE OIL SLUDGE  Contaminant Quantity: 10 mL  Incident Summary: ADM Agri Industries, small volume engine oil to gnd and c/b  Incident Cause:  Incident Reason:  Nature of Impact:  Receiving Medium:  Environmental Impact:</p>					
<a href="#">134</a>	1 of 1	SW/233.1	308.8	<b>ON</b>	<b>WWIS</b>
<p>Well ID: 7202398  Concession:  County: WELLINGTON  Easting Nad83: 561585  Zone: 17  Primary Water Use:  Sec. Water Use:  Pump Rate:  Flow Rate:  Specific Capacity:  Construction Method:  Elevation (m):  Depth to Bedrock:  Water Type:</p> <p>Lot:  Concession Name:  Municipality: GUELPH TOWNSHIP  Northing Nad83: 4820977  Utm Reliability: margin of error : 30 m - 100 m  Construction Date: 15-APR-13  Well Depth:  Static Water Level:  Clear/Cloudy:  Final Well Status:  Flowing (y/n):  Elevation Reliability:  Overburden/Bedrock:  Casing Material:</p>					
<a href="#">135</a>	1 of 16	NNE/415.5	315.0	<b>LINREAD CANADA LTD. 24 HAYES AVE. GUELPH CITY ON N1E 5V5</b>	<b>CA</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Certificate #:		8-2022-87-			
Application Year:		87			
Issue Date:		10/21/1988			
Approval Type:		Industrial air			
Status:		Cancelled			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		SOUND ENCLOSURE FOR OIL COOLING UNIT			
Contaminants:					
Emission Control:					

<a href="#">135</a>	2 of 16	NNE/415.5	315.0	LINREAD CANADA LTD. 24 HAYES AVE. GUELPH CITY ON N1E 5V5	CA
Certificate #:		8-2032-87-			
Application Year:		87			
Issue Date:		2/17/1987			
Approval Type:		Industrial air			
Status:		Cancelled			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		SEE #8-2022-87			
Contaminants:					
Emission Control:					

<a href="#">135</a>	3 of 16	NNE/415.5	315.0	24 Hayes Avenue Guelph ON N1E 5V5	EHS
Order No.:		20090610036			
Report Date:		6/16/2009			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Sire Plans; Title Searches; Aerial Photos; City Directory; Topographic Maps			

<a href="#">135</a>	4 of 16	NNE/415.5	315.0	702920 ONTARIO INC./GATTO/VANPOUCKE 24 HAYES AVENUE UNIT #1 GUELPH ON N1E 5V5	GEN
Generator #:		ON1778300			
Approval Yrs:		93,94,95,96,97,98			
SIC Code:		7215			
SIC Description:		HOLDING COMPANIES			
--- Details ---					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+ Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS					
<a href="#">135</a>	5 of 16	NNE/415.5	315.0	702920 ONTARIO INC./GATTO/VANPOUCKE 24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	GEN
Generator #: ON1778300 Approval Yrs: 04 SIC Code: SIC Description:					
<a href="#">135</a>	6 of 16	NNE/415.5	315.0	702920 ONTARIO INC./GATTO/VANPOUCKE 24 HAYES AVENUE, UNIT #1___ GUELPH ON N1E 5V5	GEN
Generator #: ON1778300 Approval Yrs: 99,00,01,03 SIC Code: 7215 SIC Description: HOLDING COMPANIES					
--- Details ---					
Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS					
+ Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS					
+ Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS					
<a href="#">135</a>	7 of 16	NNE/415.5	315.0	LINREAD CANADA LTD 24 HAYES AVE. P.O. BOX 540 GUELPH ON N1E 5V5	24-021 GEN
Generator #: ON0114600 Approval Yrs: 92,93,94,95,96,97 SIC Code: 3053 SIC Description: INDUSTRIAL FASTENER					
--- Details ---					
Waste Code: 253 Waste Description: EMULSIFIED OILS					
<a href="#">135</a>	8 of 16	NNE/415.5	315.0	LINREAD CANADA LTD 24 HAYES AVE. P.O. BOX 540 GUELPH ON N1E 5V5	GEN
Generator #: ON0114600 Approval Yrs: 86,87,88,89,90,98 SIC Code: 3053 SIC Description: INDUSTRIAL FASTENER					
--- Details ---					
Waste Code: 253					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		EMULSIFIED OILS			
<a href="#">135</a>	9 of 16	NNE/415.5	315.0	DALTEC INDUSTRIES LTD. 24 HAYES AVENUE GUELPH ON N1E 5V5	GEN
Generator #:		ON1634801			
Approval Yrs:		95,96,97,98,99,00,01,02,03,04,05,06			
SIC Code:		3199			
SIC Description:		OTHER MACHINERY			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
<a href="#">135</a>	10 of 16	NNE/415.5	315.0	JET (OUT OF BUS) 24 HAYES AVENUE UNIT #2 GUELPH ON N1E 5V5	GEN
Generator #:		ON1749500			
Approval Yrs:		93,94,95,96,97,98			
SIC Code:		3062			
SIC Description:		METAL DIES, ETC. IND			
--- Details ---					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			
<a href="#">135</a>	11 of 16	NNE/415.5	315.0	702920 ONTARIO INC./GATTO/VANPOUCKE 24 HAYES AVENUE, UNIT #1__ GUELPH ON N1E 5V5	GEN
Generator #:		ON1778300			
Approval Yrs:		02			
SIC Code:					
SIC Description:					
<a href="#">135</a>	12 of 16	NNE/415.5	315.0	KERSTING INDUSTRIES LTD. 24 HAYES AVE UNIT 1 GUELPH ON N1E 5V5	SCT
Established:		1970			
Plant Size (ft²):		5000			
Employment:		3			
--- Details ---					
SIC/NAICS Code:		3599			
Description:		INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">135</a>	13 of 16	NNE/415.5	315.0	DALTEC INDUSTRIES LTD 24 HAYES AVE GUELPH ON N1E 5V5	SCT
Established:		1984			
Plant Size (ft²):		20000			
Employment:		18			
--- Details ---					
SIC/NAICS Code:		3564			
Description:		INDUSTRIAL AND COMMERCIAL FANS AND BLOWERS AND AIR PURIFICATION EQUIPMENT			
<a href="#">135</a>	14 of 16	NNE/415.5	315.0	Daltec Industries Ltd. 24 Hayes Ave Guelph ON N1E 5V5	SCT
Established:		1984			
Plant Size (ft²):		20000			
Employment:		30			
--- Details ---					
SIC/NAICS Code:		333413			
Description:		Industrial and Commercial Fan and Blower and Air Purification Equipment Manufacturing			
<a href="#">135</a>	15 of 16	NNE/415.5	315.0	INDUSTRIAL PROCESS EQUIPMENT 24 HAYES AVE GUELPH ON N1E 5V5	SCT
Established:		1991			
Plant Size (ft²):		2500			
Employment:		20			
--- Details ---					
SIC/NAICS Code:		3556			
Description:		FOOD PRODUCTS MACHINERY			
+					
SIC/NAICS Code:		3567			
Description:		INDUSTRIAL PROCESS FURNACES AND OVENS			
<a href="#">135</a>	16 of 16	NNE/415.5	315.0	ALLEN SIMPSON MARKETING & DSGN 24 HAYES AVE GUELPH ON N1E 5V5	SCT
Established:		1975			
Plant Size (ft²):		14000			
Employment:		20			
--- Details ---					
SIC/NAICS Code:		3423			
Description:		HAND & EDGE TOOLS, EXCEPT MACHINE TOOLS & HAND SAWS			
+					
SIC/NAICS Code:		3499			
Description:		FABRICATED METAL PRODUCTS, N.E.C.			
<a href="#">136</a>	1 of 2	W/405.0	312.0	26 Ontario Street n/a ON N1E 7K1	EHS
Order No.:		20080109014w			
Report Date:		1/9/2008			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Report Type:		Online Mapless			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">136</a>	2 of 2	W/405.0	312.0	Haaston Holdings Inc. 26 Ontario Street Guelph ON N1E 7K1	GEN
Generator #:		ON3217725			
Approval Yrs:		03,04			
SIC Code:					
SIC Description:					
<a href="#">137</a>	1 of 1	NNE/345.7	315.0	Klops Meat & Deli 442 York Rd Guelph ON N1E 3H8	SCT
Established:		01-AUG-91			
Plant Size (ft²):		1000			
Employment:					
--- Details ---					
SIC/NAICS Code:		311614			
Description:		Rendering and Meat Processing from Carcasses			
+					
SIC/NAICS Code:		413160			
Description:		Red Meat and Meat Product Wholesaler-Distributors			
+					
SIC/NAICS Code:		311614			
Description:		Rendering and Meat Processing from Carcasses			
+					
SIC/NAICS Code:		445210			
Description:		Meat Markets			
<a href="#">138</a>	1 of 1	NNE/213.7	313.1	Highway 6 Guelph ON	EHS
Order No.:		20090406006			
Report Date:		4/16/2009			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans			
<a href="#">139</a>	1 of 1	SW/204.8	309.5	ON	WWIS
Well ID:		7202396		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561513		GUELPH TOWNSHIP	
Zone:		17		Northing Nad83:	
Primary Water Use:				4820981	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				15-APR-13	
				Well Depth:	
				Static Water Level:	
				Clear/Cloudy:	
				Final Well Status:	



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Construction Method: Elevation (m): Depth to Bedrock: Water Type:				Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
<a href="#">140</a>	1 of 1	NNE/418.0	315.0	<b>ABS Friction Inc.</b>  <b>City of Guelph ON</b>	EBR
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		1997 IA7E0800  Instrument EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) 6/3/97 City of Guelph ABS Friction Inc., 10 Kingsmill Avenue, Guelph, Ontario, N1E 5V9			
<a href="#">141</a>	1 of 1	WSW/76.6	312.0	<b>70 York Road</b> <b>Guelph ON N1E 3E6</b>	EHS
Order No.: Report Date: Report Type: Search Radius (km): Addit. Info Ordered:		20070327028 4/5/2007 CAN - Basic Report 0.25 City Directory			
<a href="#">142</a>	1 of 1	WSW/126.4	312.0	<b>Terra View Riverside Ltd.</b> <b>84 and 86 Wyndham Street South and, 68</b> <b>and 72 York Road</b> <b>GUELPH ON</b>	RSC
Date Submitted: Date Acknowledg.: Date Returned: Certification Date: Soil Type: Restoration Type: Registration #: Stratified (Y/N): Criteria: Consultant: District Office: Intended Prop Use: Current Property Use: Certificate Prop Use #: Applicable Standards:		17-Jun-11   15-May-11   109310    GUELPH Residential Residential No CPU Stratified Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use			
Legal Description:		Firstly: Part of Lot 10, Plan 306, all of Lot 157 and Part of Lots 158, 159 and 160, Plan 113, being Parts 1, 2 and 3, Plan 61R-11605, City of Guelph, County of Wellington; S/T an Easement over Part 2, Plan 61R-11605 in favour of Part 9, Plan 61R-10518 as in WC169095; S/T an Easement over Part 3, Plan 61R-11605 as in WC312440. Secondly: Part Lot 160, Plan 113 and Part Lot 10, Plan 306, being Part 2, Plan 61R-10518, City of Guelph, County of Wellington; Thirdly: Part Lot 160, Plan 113 and Part Lot 10, Plan 306, being Part 3, Plan 61R-10518, City of Guelph, County of Wellington; Fourthly: Part Lot 159, Plan 113, being Part 6, Plan 61R-10518, City of Guelph, County of Wellington; Fifthly: Part Lot 10, Plan 306, City of Guelph, County of Wellington.			
Prop. Identification #:		71339-0122 (LT); 71339-0117 (LT); 71339-0118 (LT); 71339-0113 (LT); 71339-0123			
268	<a href="http://erisinfo.com">erisinfo.com</a> EcoLog ERIS Ltd. Guelph Paisley Phase 2 PTTW York Rd Guelph ON			Order #: 20150514049	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Entire legal prop. (y/n):		Yes			
UTM Coordinates:		NAD83 17-561370-4821280			
Latitude & Longitude:		43.54194510N 80.24036190W (converted from UTM)			
Accuracy Estimate:		6 to 10 meters			
Measurement Method:		Digitized from a map			
CPU Issued Sect 1686:		No			

<a href="#">143</a>	1 of 1	<b>NNE/355.4</b>	<b>315.0</b>	<b>Old World Woodworking 460 York Rd Guelph ON N1E 3H8</b>	<b>SCT</b>
Established:		9/1/1997			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		337110			
Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
+					
SIC/NAICS Code:		321911			
Description:		Wood Window and Door Manufacturing			
+					
SIC/NAICS Code:		321919			
Description:		Other Millwork			
+					
SIC/NAICS Code:		321999			
Description:		All Other Miscellaneous Wood Product Manufacturing			
+					
SIC/NAICS Code:		321919			
Description:		Other Millwork			
+					
SIC/NAICS Code:		337127			
Description:		Institutional Furniture Manufacturing			
+					
SIC/NAICS Code:		337123			
Description:		Other Wood Household Furniture Manufacturing			

<a href="#">144</a>	1 of 6	<b>N/497.6</b>	<b>315.0</b>	<b>ABS Friction Corp. 10 Kingsmill Avenue Guelph ON N1H 5V9</b>	<b>NPRI</b>
NPRI #:		0000007671			
Year:		2002			
Longitude:		-80.228			
Latitude:		43.5513			
--- Details ---					
Air:		1.688			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		.023			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Copper (and its compounds)			
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Air:		3.369			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			

<a href="#">144</a>	2 of 6	N/497.6	315.0	<b>ABS Friction Inc. 10 Kingsmill Avenue Guelph ON N1E5V9</b>	<b>NPRI</b>
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NPRI #: 0000007671  
Year: 2010  
Longitude: -80.228  
Latitude: 43.5513

--- Details ---

Air: 2.491  
Water:  
Land:  
Units: tonnes  
Substances Released: PM10 - Particulate Matter <= 10 Microns  
+  
Air: 1.246  
Water:  
Land:  
Units: tonnes  
Substances Released: PM2.5 - Particulate Matter <= 2.5 Microns  
+  
Air: .101  
Water:  
Land:  
Units: tonnes  
Substances Released: Copper (and its compounds)

<a href="#">144</a>	3 of 6	N/497.6	315.0	<b>ABS FRICTION 10 Kingsmill Avenue Guelph ON N1E5V9</b>	<b>NPRI</b>
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NPRI #: 0000007671  
Year: 2004  
Longitude: -80.228  
Latitude: 43.5513

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: PM - Total Particulate Matter  
+  
Air: 2.181  
Water:  
Land:  
Units: tonnes  
Substances Released: PM10 - Particulate Matter <= 10 Microns  
+  
Air:  
Water:  
Land:  
Units: tonnes



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Water:</p> <p>Land:</p> <p>Units: tonnes</p> <p>Substances Released: PM2.5 - Particulate Matter &lt;= 2.5 Microns</p> <p>+</p> <p>Air: 4.732</p> <p>Water:</p> <p>Land:</p> <p>Units: tonnes</p> <p>Substances Released: PM10 - Particulate Matter &lt;= 10 Microns</p>					
<a href="#">144</a>	5 of 6	N/497.6	315.0	ABS Friction Inc. 10 Kingsmill Avenue Guelph ON N1E5V9	NPRI
<p>NPRI #: 0000007671</p> <p>Year: 2011</p> <p>Longitude: -80.228</p> <p>Latitude: 43.5513</p> <p>--- Details ---</p> <p>Air: 2.093</p> <p>Water:</p> <p>Land:</p> <p>Units: tonnes</p> <p>Substances Released: PM10 - Particulate Matter &lt;= 10 Microns</p> <p>+</p> <p>Air: 1.046</p> <p>Water:</p> <p>Land:</p> <p>Units: tonnes</p> <p>Substances Released: PM2.5 - Particulate Matter &lt;= 2.5 Microns</p> <p>+</p> <p>Air: .08</p> <p>Water:</p> <p>Land:</p> <p>Units: tonnes</p> <p>Substances Released: Copper (and its compounds)</p>					
<a href="#">144</a>	6 of 6	N/497.6	315.0	ABS FRICTION 10 Kingsmill Avenue Guelph ON N1E5V9	NPRI
<p>NPRI #: 0000007671</p> <p>Year: 2005</p> <p>Longitude: -80.228</p> <p>Latitude: 43.5513</p> <p>--- Details ---</p> <p>Air: .569</p> <p>Water:</p> <p>Land:</p> <p>Units: tonnes</p> <p>Substances Released: PM10 - Particulate Matter &lt;= 10 Microns</p>					
<a href="#">145</a>	1 of 34	NNE/446.7	315.0	ABS Friction Corp. 10 Kingsmill Ave Guelph ON	CA

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Certificate #:		4905-7DZPZX			
Application Year:		2008			
Issue Date:		4/28/2008			
Approval Type:		Air			
Status:		Revoked and/or Replaced			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<a href="#">145</a>	2 of 34	NNE/446.7	315.0	ABS Friction Corp. 10 Kingsmill Avenue Guelph ON	CA
Certificate #:		2759-666KLE			
Application Year:		2004			
Issue Date:		11/9/2004			
Approval Type:		Air			
Status:		Revoked and/or Replaced			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					

<a href="#">145</a>	3 of 34	NNE/446.7	315.0	ABS FRICTION INC. 10 KINGSMILL AVENUE GUELPH CITY ON N1E 5V9	CA
Certificate #:		8-2110-97-			
Application Year:		97			
Issue Date:		11/12/1997			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		INFRARED CURING OVEN, MOLD/CURE PRESS			
Contaminants:		Suspended Particulate Matter, Nitrogen Oxides, Ammonia, Phenol			
Emission Control:		Baghouse (Incl Vent Fil.)			

<a href="#">145</a>	4 of 34	NNE/446.7	315.0	10 Kingsmill Avenue Guelph ON N1E 5V9	CA
Certificate #:		7631-4N7QAQ			
Application Year:		00			
Issue Date:		10/4/00			
Approval Type:		Industrial air			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<b>Status:</b> Approved <b>Application Type:</b> Amended CofA <b>Client Name:</b> ABS Friction Inc. <b>Client Address:</b> 10 Kingsmill Avenue <b>Client City:</b> Guelph <b>Client Postal Code:</b> N1E 5V9 <b>Project Description:</b> This application is for an Air Certificate of Approval for the installation of one more dust collector to service the new in plant process equipment for a manufacturer of friction brake pads for automobiles.  <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">145</a>	<b>5 of 34</b>	<b>NNE/446.7</b>	<b>315.0</b>	<b>ABS Friction Inc. 10 Kingsmill Ave Guelph ON</b>	<b>CA</b>
<b>Certificate #:</b> 9794-8B2QVF <b>Application Year:</b> 2010 <b>Issue Date:</b> 11/30/2010 <b>Approval Type:</b> Air <b>Status:</b> Approved <b>Application Type:</b> <b>Client Name:</b> <b>Client Address:</b> <b>Client City:</b> <b>Client Postal Code:</b> <b>Project Description:</b> <b>Contaminants:</b> <b>Emission Control:</b>					
<a href="#">145</a>	<b>6 of 34</b>	<b>NNE/446.7</b>	<b>315.0</b>	<b>ABS Friction Inc 10 Kingsmill Avenue Guelph ON N1E 5V9</b>	<b>EBR</b>
<b>Year:</b> 2000 <b>EBR Registry No.:</b> IA00E0905 <b>Ministry Ref. No.:</b> <b>Type:</b> Instrument <b>Instrument Type:</b> EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) <b>Proposal Date:</b> <b>Location:</b> 10 Kingsmill Avenue, Guelph, Ontario, N1E 5V9 Guelph <b>Proponent Address:</b> ABS Friction Inc. 10 Kingsmill Avenue, Guelph, Ontario, N1E 5V9					
<a href="#">145</a>	<b>7 of 34</b>	<b>NNE/446.7</b>	<b>315.0</b>	<b>ABS Friction Inc. 10 Kingsmill Avenue Guelph ON N1E 5V9</b>	<b>EBR</b>
<b>Year:</b> 2003 <b>EBR Registry No.:</b> IA03E1466 <b>Ministry Ref. No.:</b> 1496-5SJLXY <b>Type:</b> Instrument Decision <b>Instrument Type:</b> Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9 <b>Proposal Date:</b> <b>Location:</b> 10 Kingsmill Avenue Guelph Ontario N1E 5V9 <b>Proponent Address:</b> 10 Kingsmill Avenue Guelph Ontario N1E 5V9					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">145</a>	8 of 34	NNE/446.7	315.0	ABS Friction Corp. 10 Kingsmill Avenue Guelph ON N1E 5V9	EBR
Year:		2009			
EBR Registry No.:		010-7495			
Ministry Ref. No.:		3720-7UFPP6			
Type:		Instrument Proposal			
Instrument Type:		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Proposal Date:		August 07, 2009			
Location:		10 Kingsmill Avenue Guelph, County of Wellington N1E 5V9			
Proponent Address:		10 Kingsmill avenue Guelph Ontario Canada N1E 5V9			
<a href="#">145</a>	9 of 34	NNE/446.7	315.0	10 Kingsmill Ave Guelph ON N1E 5V9	EHS
Order No.:		20000711001			
Report Date:		7/17/00			
Report Type:		Complete Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">145</a>	10 of 34	NNE/446.7	315.0	10 Kingsmill Avenue Guelph ON N1E 5V9	EHS
Order No.:		20030602006			
Report Date:		6/6/03			
Report Type:		Complete Report			
Search Radius (km):		0.30			
Addit. Info Ordered:					
<a href="#">145</a>	11 of 34	NNE/446.7	315.0	1190312 Ontario Limited 10 Kingsmill Avenue Guelph ON	GEN
Generator #:		ON5546479			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		243			
Waste Description:		PCB			
<a href="#">145</a>	12 of 34	NNE/446.7	315.0	ABS FRICTION CORP. 10 Kingsmill Avenue Guelph ON N1E 5V9	GEN
Generator #:		ON2390500			
Approval Yrs:		02,03,04,05,06,07,08			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">145</a>	13 of 34	NNE/446.7	315.0	<b>ABS FRICTION INC. 10 Kingsmill Avenue Guelph ON</b>	GEN
Generator #:	ON2390500				
Approval Yrs:	2010				
SIC Code:	336340				
SIC Description:	Motor Vehicle Brake System Manufacturing				
--- Details ---					
Waste Code:	145				
Waste Description:	PAINT/PIGMENT/COATING RESIDUES				
+					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
+					
Waste Code:	251				
Waste Description:	OIL SKIMMINGS & SLUDGES				
+					
Waste Code:	331				
Waste Description:	WASTE COMPRESSED GASES				
<a href="#">145</a>	14 of 34	NNE/446.7	315.0	<b>CAMPBELL-COX(OUT OF BUS) 111 10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH ON N1E 5V9</b>	07- GEN
Generator #:	ON0879701				
Approval Yrs:	92,93,94,95,96,97,98				
SIC Code:	3029				
SIC Description:	OTHER FAB. STRUCTURE				
--- Details ---					
Waste Code:	211				
Waste Description:	AROMATIC SOLVENTS				
+					
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
<a href="#">145</a>	15 of 34	NNE/446.7	315.0	<b>2049936 Ontario Ltd 10 Kingsmill Ave Guelph ON</b>	GEN
Generator #:	ON9004317				
Approval Yrs:	2012				
SIC Code:	332999				
SIC Description:	All Other Miscellaneous Fabricated Metal Product Manufacturing				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">145</a>	16 of 34	NNE/446.7	315.0	GUELPH TOOL & DIE LIMITED 10 KINGSMILL AVENUE GUELPH ON N1E 5V9	GEN
Generator #:		ON0389204			
Approval Yrs:		99			
SIC Code:		3059			
SIC Description:		OTHER WIRE PROD.			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
<a href="#">145</a>	17 of 34	NNE/446.7	315.0	ABS FRICTION INC. 10 KINGSMILL AVENUE GUELPH ON N1E 5V9	GEN
Generator #:		ON2390500			
Approval Yrs:		98,99,00,01			
SIC Code:		3255			
SIC Description:		VEH. WHEEL & BRAKE			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">145</a>	18 of 34	NNE/446.7	315.0	GUELPH TOOL & DIE LIMITED 10 KINGSMILL AVE. GUELPH ON N1E 5V9	GEN
Generator #:		ON0389204			
Approval Yrs:		94,95,96,97,98			
SIC Code:		3059			
SIC Description:		OTHER WIRE PROD.			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
<a href="#">145</a>	19 of 34	NNE/446.7	315.0	ABS FRICTION INC. 10 Kingsmill Avenue Guelph ON	GEN
Generator #:		ON2390500			
Approval Yrs:		2011			
SIC Code:		336340			
SIC Description:		Motor Vehicle Brake System Manufacturing			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
+					
Waste Code:		251			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">145</a>	20 of 34	NNE/446.7	315.0	ABS FRICTION INC. 10 Kingsmill Avenue Guelph ON	GEN
Generator #:		ON2390500			
Approval Yrs:		2009			
SIC Code:		336340			
SIC Description:		Motor Vehicle Brake System Manufacturing			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		331			
Waste Description:		WASTE COMPRESSED GASES			
<a href="#">145</a>	21 of 34	NNE/446.7	315.0	CAMPBELL-COX FABRICATIONS 10 KINGS MILL ROAD C/O 367 WOODLAWN ROAD WEST GUELPH ON N1E 5V9	GEN
Generator #:		ON0879701			
Approval Yrs:		86,87,88,89,90			
SIC Code:		3029			
SIC Description:		OTHER FAB. STRUCTURES			
--- Details ---					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
<a href="#">145</a>	22 of 34	NNE/446.7	315.0	GUELPH (OUT OF BUSINESS)D 10 KINGSMILL AVENUE GUELPH ON N1E 5V9	GEN
Generator #:		ON0389204			
Approval Yrs:		00,01			
SIC Code:		3059			
SIC Description:		OTHER WIRE PROD.			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
<a href="#">145</a>	23 of 34	NNE/446.7	315.0	KROSHERRA CORPORATION (17528 - 04/2014)	PES

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				10 KINGSMILL AVE GUELPH ON N1E5V9	
Licence No.:		Vendor			
Licence Type:					
<a href="#">145</a>	24 of 34	NNE/446.7	315.0	KROSHERRA CORPORATION (17528 - 04/2014) 10 KINGSMILL AVE GUELPH ON N1E 5V9	PES
Licence No.:		22-01-13728-0			
Licence Type:		GENERAL			
<a href="#">145</a>	25 of 34	NNE/446.7	315.0	WENA MFG. CO. LTD. 10-A KINGSMILL AVE GUELPH ON N1E 5V9	SCT
Established:		1985			
Plant Size (ft²):		2700			
Employment:		7			
--- Details ---					
SIC/NAICS Code:		3499			
Description:		FABRICATED METAL PRODUCTS, NOT ELSEWHERE CLASSIFIED			
<a href="#">145</a>	26 of 34	NNE/446.7	315.0	ABS Friction Corp. 10 Kingsmill Ave Guelph ON N1E 5V9	SCT
Established:		1996			
Plant Size (ft²):		50000			
Employment:					
--- Details ---					
SIC/NAICS Code:		336340			
Description:		Motor Vehicle Brake System Manufacturing			
<a href="#">145</a>	27 of 34	NNE/446.7	315.0	Wena Manufacturing Co. Ltd. 10 Kingsmill Rd Guelph ON N1E 5V9	SCT
Established:		1985			
Plant Size (ft²):		2700			
Employment:		7			
<a href="#">145</a>	28 of 34	NNE/446.7	315.0	EASTWING WOOD SPECIALTIES 10 KINGSMILL AVE REAR BLDG GUELPH ON N1E 5V9	SCT
Established:		1993			
Plant Size (ft²):					
Employment:		3			
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC/NAICS Code: Description:		2431 MILLWORK			
<a href="#">145</a>	29 of 34	NNE/446.7	315.0	<b>Wena Manufacturing Co. Ltd.</b> 10 Kingsmill Ave Guelph ON N1E 5V9	SCT
Established:		1985			
Plant Size (ft²):		20000			
Employment:		12			
--- Details ---					
SIC/NAICS Code:		331110			
Description:		Iron and Steel Mills and Ferro-Alloy Manufacturing			
<a href="#">145</a>	30 of 34	NNE/446.7	315.0	<b>Superior Steel Fabricators</b> 10 Kingsmill Ave Guelph ON N1E 5V9	SCT
Established:		01-AUG-85			
Plant Size (ft²):		20000			
Employment:					
--- Details ---					
SIC/NAICS Code:		331110			
Description:		Iron and Steel Mills and Ferro-Alloy Manufacturing			
<a href="#">145</a>	31 of 34	NNE/446.7	315.0	<b>THOMPSON DIV OF VALCOM LTD H I</b> 10 KINGSMILL AVE GUELPH ON N1E 5V9	SCT
Established:		1952			
Plant Size (ft²):					
Employment:		35			
--- Details ---					
SIC/NAICS Code:		3769			
Description:		GUIDED MISSILE & SPACE VEHICLE PARTS			
<a href="#">145</a>	32 of 34	NNE/446.7	315.0	<b>ABS Friction Inc.</b> 10 Kingsmill Ave Guelph ON N1E 5V9	SCT
Established:		01-AUG-96			
Plant Size (ft²):		50000			
Employment:					
--- Details ---					
SIC/NAICS Code:		336340			
Description:		Motor Vehicle Brake System Manufacturing			
<a href="#">145</a>	33 of 34	NNE/446.7	315.0	<b>10 Kingsmill Ave</b> Guelph ON	SPL
Ref No.:		4277-8ZA7JD			
Incident Dt:		20-OCT-12			
MOE Reported Dt:		21-OCT-12			
Contaminant Name:		FIRE WATER (PARTICULATE CONTAMINANT)			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Contaminant Quantity: Incident Summary: Incident Cause: Incident Reason: Nature of Impact: Receiving Medium: Environmental Impact:		0 other - see incident description MMF Properties: Building fire, firewater Eramosa River Fire/Explosion Unknown / N/A Air Pollution; Other Impact(s); Surface Water Pollution Not Anticipated			
<a href="#">145</a>	34 of 34	NNE/446.7	315.0	<b>Superior Steel Fabricators</b> <b>10 Kingsmill Ave</b> <b>Guelph ON N1E 5V9</b>	SPL
Ref No.: Incident Dt: MOE Reported Dt: Contaminant Name: Contaminant Quantity: Incident Summary: Incident Cause: Incident Reason: Nature of Impact: Receiving Medium: Environmental Impact:		2364-7DJMEU 4/9/2008 FIRE WATER (PARTICULATE CONTAMINANT) 1200 L Superior Steel Fab, 1200L fire water, Land Other Discharges Fire/Explosion - Resulting from fires/explosions (Not occurrences which cause a fire or explosion) Surface Water Pollution Confirmed			
<a href="#">146</a>	1 of 4	W/418.1	311.0	<b>Haastown Holdings (Guelph) Incorporated</b> <b>45 Cross Street</b> <b>Guelph ON</b>	CONV
File No.: Crown Brief No.: Ministry District: Region: Description:		122901 Haastown Holdings (Guelph) Incorporated has been fined \$8,000 after pleading guilty to one count of discharging a contaminant into the environment contrary to the Environmental Protection Act.			
--- Details ---					
Date Charged: Fine: Act/Regulation/Section: Charge Disposition:		11/23/2005 \$8,000 EPA- -14(1) Fine, plus victim fine surcharge			
<a href="#">146</a>	2 of 4	W/418.1	311.0	<b>Cash Rolls of Canada</b> <b>45 Cross St</b> <b>Guelph ON N1E 2Z5</b>	SCT
Established: Plant Size (ft²): Employment:		1984 12000 12			
<a href="#">146</a>	3 of 4	W/418.1	311.0	<b>TAYLOR JAMIESON MACHINE &amp; ENG</b> <b>45 CROSS ST UNIT 5</b> <b>GUELPH ON N1E 2Z5</b>	SCT
Established: Plant Size (ft²): Employment:		1979 1800 4			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
SIC/NAICS Code:		3599			
Description:		INDUSTRIAL AND COMMERCIAL MACHINERY AND EQUIPMENT, NOT ELSEWHERE CLASSIFIED			
<a href="#">146</a>	4 of 4	W/418.1	311.0	<b>AUTO-WRAP 45 Cross St Guelph ON N1E 2Z5</b>	<b>SCT</b>
Established:		1985			
Plant Size (ft²):		12000			
Employment:		12			
--- Details ---					
SIC/NAICS Code:		322299			
Description:		All Other Converted Paper Product Manufacturing			
+					
SIC/NAICS Code:		326198			
Description:		All Other Plastic Product Manufacturing			
<a href="#">147</a>	1 of 1	NNE/436.8	315.0	<b>1190312 Ontario Limited 10 Kingsmill Avenue Guelph ON</b>	<b>GEN</b>
Generator #:		ON5546479			
Approval Yrs:		2013			
SIC Code:		238990			
SIC Description:		ALL OTHER SPECIALTY TRADE CONTRACTORS			
--- Details ---					
Waste Code:		243			
Waste Description:		PCBS			
<a href="#">148</a>	1 of 1	NNE/433.8	315.0	<b>10 Kingsmill Ave Guelph ON N1E5V9</b>	<b>EHS</b>
Order No.:		20140905037			
Report Date:		12-SEP-14			
Report Type:		RSC Premium Package (Urban)			
Search Radius (km):		.3			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans; City Directory			
<a href="#">149</a>	1 of 1	W/410.5	311.0	<b>Haastown Holdings (Guelph) Incorporated 35 Cross Street Guelph ON</b>	<b>CONV</b>
File No.:		122901			
Crown Brief No.:					
Ministry District:					
Region:					
Description:		Haastown Holdings (Guelph) Incorporated has been fined \$8,000 after pleading guilty to one count of discharging a contaminant into the environment contrary to the Environmental Protection Act. In June 2003, while Haastown Holdings was carrying out restoration work at 45 Cross Street in the City of Guelph, local residents complained about sandblasting dust coming from the construction site. The residents said that the dust was causing them discomfort, and were concerned that it was negatively impacting their health. Haastown pleaded guilty to one count of causing or permitting the discharge of a contaminant into the natural environment that was likely to cause an adverse effect, contrary to section 14(1) of the Environmental Protection Act, and was fined \$8,000, exclusive of victim fine surcharge.			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Date Charged:	11/23/2005			
	Fine:	\$8000			
	Act/Regulation/Section:	EPA- -14(1)			
	Charge Disposition:	Fine			
<a href="#">150</a>	1 of 1	WSW/53.0	312.0	<b>The Corporation of the City of Guelph York Rd and Wyndham St intersection MVA&lt;UNOFFICIAL&gt; Guelph ON</b>	<b>SPL</b>
	Ref No.:	3801-6VBVE4			
	Incident Dt:	11/7/2006			
	MOE Reported Dt:	11/7/2006			
	Contaminant Name:	MOTOR OIL			
	Contaminant Quantity:	60 L			
	Incident Summary:	Guelph: MVA, @60 L of fluids to road			
	Incident Cause:	Other Transport Accident			
	Incident Reason:	Weather			
	Nature of Impact:	Multi-Media Pollution			
	Receiving Medium:	Land			
	Environmental Impact:	Possible			
<a href="#">151</a>	1 of 1	WSW/50.5	311.6	<b>Guelph ON</b>	<b>WWIS</b>
	Well ID:	7138712		Lot:	
	Concession:			Concession Name:	
	County:	WELLINGTON		Municipality:	GUELPH CITY
	Easting Nad83:	561339		Northing Nad83:	4821178
	Zone:	17		Utm Reliability:	margin of error : 30 m - 100 m
	Primary Water Use:	Test Hole		Construction Date:	19-JAN-10
	Sec. Water Use:			Well Depth:	11 ft
	Pump Rate:			Static Water Level:	
	Flow Rate:			Clear/Cloudy:	
	Specific Capacity:			Final Well Status:	Replacement Well
	Construction Method:	Auger		Flowing (y/n):	
	Elevation (m):	310.97		Elevation Reliability:	
	Depth to Bedrock:			Overburden/Bedrock:	
	Water Type:			Casing Material:	
--- Details ---					
	Thickness:	BROWN		Original Depth:	11 ft
	Material Colour:	SAND, GRAVEL		Material:	11 ft
<a href="#">152</a>	1 of 2	NNE/303.3	314.4	<b>BEDROSIAN RUBBER STAMPS 471 YORK RD GUELPH ON N1E 3J1</b>	<b>SCT</b>
	Established:	1948			
	Plant Size (ft²):	3000			
	Employment:	1			
--- Details ---					
	SIC/NAICS Code:	3089			
	Description:	PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED			
	+				



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC/NAICS Code:		3479			
Description:		COATING, ENGRAVING AND ALLIED SERVICES, NOT ELSEWHERE CLASSIFIED			
+					
SIC/NAICS Code:		3953			
Description:		MARKING DEVICES			
+					
SIC/NAICS Code:		326198			
Description:		All Other Plastic Product Manufacturing			
+					
SIC/NAICS Code:		332810			
Description:		Coating, Engraving, Heat Treating and Allied Activities			
+					
SIC/NAICS Code:		339940			
Description:		Office Supplies (except Paper) Manufacturing			

<a href="#">152</a>	2 of 2	NNE/303.3	314.4	<b>Bedrosian Rubber Stamps Inc.</b> 471 York Rd Guelph ON N1E 3J1	SCT
Established:		1948			
Plant Size (ft²):		3000			
Employment:		1			
--- Details ---					
SIC/NAICS Code:		326198			
Description:		All Other Plastic Product Manufacturing			
+					
SIC/NAICS Code:		332810			
Description:		Coating, Engraving, Heat Treating and Allied Activities			
+					
SIC/NAICS Code:		339940			
Description:		Office Supplies (except Paper) Manufacturing			

<a href="#">153</a>	1 of 1	SW/233.6	310.0	ON	WWIS
Well ID:	7202399			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561457			Northing Nad83:	4820919
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	15-APR-13
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	

<a href="#">154</a>	1 of 1	NNE/256.8	313.6	<b>HUNTSMAN CORP</b> 19 LAWRENCE AVE AND VICTORIA ROAD & ERAMOSA RIVER AREA GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5Y4	SPL
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Ref No.: 144461

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Incident Dt:		7/31/1997			
MOE Reported Dt:		7/31/1997			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP: CHEMICAL ODOUR IRRITATES RESIDENT			
Incident Cause:		OTHER CONTAINER LEAK			
Incident Reason:		NEGLIGENCE (APPARENT)			
Nature of Impact:		Air Pollution			
Receiving Medium:		AIR			
Environmental Impact:		POSSIBLE			

<a href="#">155</a>	1 of 1	W/456.8	310.2	ON	WWIS
Well ID:	7170886			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561294			Northing Nad83:	4821613
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	19-MAY-11
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	

<a href="#">156</a>	1 of 1	W/447.9	310.5	Guelph ON	WWIS
Well ID:	7177230			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	561292			Northing Nad83:	4821602
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring and Test Hole			Construction Date:	13-JAN-12
Sec. Water Use:				Well Depth:	40 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	11 ft
Material Colour:	SAND, GRAVEL, LOOSE			Material:	11 ft
+					
Thickness:	GREY			Original Depth:	40 ft
Material Colour:	LIMESTONE, , FRACTURED			Material:	29 ft

<a href="#">157</a>	1 of 1	W/339.5	311.0	VICTOR DAVIS MEMORIAL COURT NON-PROFIT H	CA
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Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<b>87 NEEVE STREET GUELPH CITY ON</b>	
Certificate #:		8-2291-93-			
Application Year:		93			
Issue Date:		2/9/1994			
Approval Type:		Industrial air			
Status:		Approved in 1994			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		100 KW EMERGENCY DIESEL GENERATOR			
Contaminants:		Nitrogen Oxides			
Emission Control:		No Controls			
<a href="#">158</a>	1 of 4	W/412.7	310.0	<b>BANK OF AMERICA CANADA 83 NEEVE STREET GUELPH ON N1E 5R9</b>	<b>GEN</b>
Generator #:		ON1756600			
Approval Yrs:		93,94,95,96,97,98			
SIC Code:		7021			
SIC Description:		CHARTERED BANK			
--- Details ---					
Waste Code:		243			
Waste Description:		PCB'S			
<a href="#">158</a>	2 of 4	W/412.7	310.0	<b>THE BANK OF AMERICA 83 NEEVE STREET GUELPH ON N1E 5R9</b>	<b>NPCB</b>
Company Code:		O3298			
Transaction Date:		2/6/1996			
Inspection Date:		11/1/1994			
Industry:		Bank/Financial			
Site Status:					
<a href="#">158</a>	3 of 4	W/412.7	310.0	<b>THE BANK OF AMERICA -Now ANDRIN BLDG. CORP. 83 Neeve Street Guelph ON N1E 5R9</b>	<b>NPCB</b>
Company Code:		O3298			
Transaction Date:		3/15/1996			
Inspection Date:		3/15/1996			
Industry:		Bank/Financial			
Site Status:		Stored for Disposal			
--- Details ---					
Label:					
No. of Items:					
Contents:					
Serial No.:					
Item/State:					
Status:		Stored for disposal			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
PCB Type/Code: Location: Manufacturer:		Askarel/Pyranol IN STORAGE			
<a href="#">158</a>	4 of 4	W/412.7	310.0	<b>THE BANK OF AMERICA-NOW ANDRIN BLDG. CORP. 83 NEEVE STREET GUELPH ON N1E 5R9</b>	<b>NPCB</b>
Company Code: Transaction Date: Inspection Date: Industry: Site Status:		O3298  3/15/1996 BANK / FINANCIAL NO MORE PCB'S ON THIS SITE			
--- Details ---					
Label: No. of Items: Contents: Serial No.: Item/State: Status: PCB Type/Code: Location: Manufacturer:		OR27087 1 57 L  TRANSFORMER/FULL STORED FOR DISPOSAL ASKAREL/PYRANOL			
<a href="#">159</a>	1 of 1	W/365.4	310.1	<b>GUELPH NON-PROFIT HSG. CORP. 85 NEEVE STREET GUELPH CITY ON</b>	<b>CA</b>
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		8-2419-95-966 95 2/5/96 Industrial air Received in 1995, Issued in 1996     EMERGENCY POWER FOR SENIORS RESIDENCE P-Toluene Sulfonic Acid, Nitrogen Oxides Silencer, Muffler, Acoustic Doors			
<a href="#">160</a>	1 of 1	W/436.3	310.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID: Concession: County: Easting Nad83: Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method:		7177231  WELLINGTON 561250 17 Monitoring and Test Hole		Lot: Concession Name: Municipality: Northing Nad83: Utm Reliability: Construction Date: Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n):	
				GUELPH TOWNSHIP 4821567 margin of error : 30 m - 100 m 13-JAN-12 55 ft Observation Wells	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Elevation (m): Depth to Bedrock: Water Type:  --- Details --- Thickness: BROWN Material Colour: SAND, GRAVEL, LOOSE + Thickness: GREY Material Colour: LIMESTONE, , FRACTURED				Elevation Reliability: Overburden/Bedrock: Casing Material: Not stated  Original Depth: 10 ft Material: 10 ft  Original Depth: 55 ft Material: 45 ft	
<a href="#">161</a>	1 of 21	NNE/437.5	315.0	<b>McGregor Furniture Company Ltd. 490 York Rd Building E Guelph ON N1E 6V1</b>	CA
Certificate #: 4053-7GMNUY Application Year: 2008 Issue Date: 7/18/2008 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
<a href="#">161</a>	2 of 21	NNE/437.5	315.0	<b>Christopher A. Hayes 490 York Rd Guelph ON N1E 6V1</b>	CA
Certificate #: 0163-7UJJYF Application Year: 2009 Issue Date: 8/12/2009 Approval Type: Air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
<a href="#">161</a>	3 of 21	NNE/437.5	315.0	<b>ROBERTS ON GUARD PRODUCTS LTD 490 YORK RD GUELPH ON N1E 6V1</b>	CHEM
Mailing City: Mailing Address: Mailing Address 2: Business: Description:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">161</a>	4 of 21	NNE/437.5	315.0	<b>McGregor Furniture Company Ltd. 490 York Road Guelph ON N1E 6V1</b>	<b>EBR</b>
Year:		2008			
EBR Registry No.:		010-2684			
Ministry Ref. No.:		1038-7BCTSW			
Type:		Instrument Decision			
Instrument Type:		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Proposal Date:		February 04, 2008			
Location:		490 York Road Guelph County of Wellington N1E 6V1			
Proponent Address:		490 York Road Guelph Ontario Canada N1E 6V1			
<a href="#">161</a>	5 of 21	NNE/437.5	315.0	<b>Christopher A. Hayes 490 York Road Guelph ON N1E 6V1</b>	<b>EBR</b>
Year:		2008			
EBR Registry No.:		010-5132			
Ministry Ref. No.:		7854-7KVR5S			
Type:		Instrument Proposal			
Instrument Type:		(EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)			
Proposal Date:		November 07, 2008			
Location:		490 York Road Guelph			
Proponent Address:		490 York Road Guelph Ontario Canada N1E 6V1			
<a href="#">161</a>	6 of 21	NNE/437.5	315.0	<b>490 York Road Guelph ON N1E 6V1</b>	<b>EHS</b>
Order No.:		20050119004			
Report Date:		1/20/2005			
Report Type:					
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">161</a>	7 of 21	NNE/437.5	315.0	<b>City of Guelph Engineering 490 York Road Guelph ON N1E 6V1</b>	<b>GEN</b>
Generator #:		ON5983641			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		146			
Waste Description:		Other specified inorganic sludges, slurries or solids			
<a href="#">161</a>	8 of 21	NNE/437.5	315.0	<b>City of Guelph 490 York Road Guelph ON N1E 6V1</b>	<b>GEN</b>
Generator #:		ON5983641			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Approval Yrs:		04,05,06,07,08			
SIC Code:		913910			
SIC Description:		Other Local Municipal and Regional Public Administration			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
<a href="#">161</a>	9 of 21	NNE/437.5	315.0	City of Guelph 490 York Road Guelph ON N1E 6V1	GEN
Generator #:		ON5983641			
Approval Yrs:		2011			
SIC Code:		913910			
SIC Description:		Other Local Municipal and Regional Public Administration			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
<a href="#">161</a>	10 of 21	NNE/437.5	315.0	City of Guelph 490 York Road Guelph ON N1E 6V1	GEN
Generator #:		ON5983641			
Approval Yrs:		2009			
SIC Code:		913910			
SIC Description:		Other Local Municipal and Regional Public Administration			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
<a href="#">161</a>	11 of 21	NNE/437.5	315.0	City of Guelph 490 York Road Guelph ON N1E 6V1	GEN
Generator #:		ON5983641			
Approval Yrs:		2012			
SIC Code:		913910			
SIC Description:		Other Local Municipal and Regional Public Administration			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
<a href="#">161</a>	12 of 21	NNE/437.5	315.0	City of Guelph 490 York Road Guelph ON N1E 6V1	GEN
Generator #:		ON5983641			
Approval Yrs:		2010			
SIC Code:		913910			
SIC Description:		Other Local Municipal and Regional Public Administration			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">161</a>	13 of 21	NNE/437.5	315.0	SHERWOOD FOREST INVESTMENTS ( GUEIPH ) INC. ( WAS HAMIL ) 490 YORK ROAD GUELPH ON N1E 6V1	NPCB

Company Code: O1020  
Transaction Date: 10/7/1993  
Inspection Date: 1/15/2002  
Industry: OTHER  
Site Status: INSPECTED SITES (NON FEDERAL)

--- Details ---

Label: OR25398  
No. of Items: 1  
Contents: 378 L  
Serial No.: 25 KVA  
Item/State: TRANSFORMER/FULL  
Status: IN-USE  
PCB Type/Code: UNKNOWN/UNKNOWN  
Location: BLDG H WALL  
Manufacturer: PACKARD

+  
Label: OR25399  
No. of Items: 1  
Contents: 20 L  
Serial No.: 25 KVA  
Item/State: TRANSFORMER/FULL  
Status: IN-USE  
PCB Type/Code: UNKNOWN/UNKNOWN  
Location: BLDG E ROOF  
Manufacturer: PACKARD

+  
Label: OR25400  
No. of Items: 1  
Contents: 370 L  
Serial No.: 79766  
Item/State: TRANSFORMER/FULL  
Status: IN-USE  
PCB Type/Code: UNKNOWN/UNKNOWN  
Location: BLDG J ON WALL  
Manufacturer: ENGLISH ELECTRIC

+  
Label: OR25396  
No. of Items: 1  
Contents: 40 L  
Serial No.: 10KVA  
Item/State: TRANSFORMER/FULL  
Status: IN-USE  
PCB Type/Code: UNKNOWN/UNKNOWN  
Location: CORNER BLDG G & E  
Manufacturer: FERRANTI

+  
Label: OR25397  
No. of Items: 1  
Contents: 378 L  
Serial No.: 25 KVA  
Item/State: TRANSFORMER/FULL  
Status: IN-USE  
PCB Type/Code: UNKNOWN/UNKNOWN  
Location: BLDG H WALL



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Manufacturer:		FERRANTI			
+					
Label:		OR25394			
No. of Items:		1			
Contents:		50 L			
Serial No.:		179184			
Item/State:		TRANSFORMER/FULL			
Status:		IN-USE			
PCB Type/Code:		UNKNOWN/UNKNOWN			
Location:		BLDG C ROOF			
Manufacturer:		CGE			
+					
Label:		OR25395			
No. of Items:		1			
Contents:		370 L			
Serial No.:		15KVA			
Item/State:		TRANSFORMER/FULL			
Status:		IN-USE			
PCB Type/Code:		UNKNOWN/UNKNOWN			
Location:		BLDG B ELEV. SHAFT			
Manufacturer:		WESTINGHOUSE			

<a href="#">161</a>	14 of 21	NNE/437.5	315.0	Sherwood Forest Investments ( Guelph ) Inc. ( Was Hamil ) 490 YORK ROAD Guelph ON N1E 6V1	NPCB
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Company Code: O1020  
Transaction Date: 3/13/1991  
Inspection Date: 1/15/2002  
Industry: Other  
Site Status: In- Use

--- Details ---

Label:  
No. of Items:  
Contents:  
Serial No.:  
Item/State:  
Status: In-Use  
PCB Type/Code: Unknown/Askarel  
Location: Corner Bldg G & E  
Manufacturer:  
+  
Label:  
No. of Items:  
Contents:  
Serial No.:  
Item/State:  
Status: In-Use  
PCB Type/Code: Unknown/Unknown  
Location: Bldg B Elev. Shaft  
Manufacturer:  
+  
Label:  
No. of Items:  
Contents:  
Serial No.:  
Item/State:  
Status: In-Use  
PCB Type/Code: Unknown/Unknown

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Location:		Bldg C Roof			
Manufacturer:					
+					
Label:					
No. of Items:					
Contents:					
Serial No.:					
Item/State:					
Status:		In-Use			
PCB Type/Code:		Unknown/Unknown			
Location:		Bldg E Roof			
Manufacturer:					
+					
Label:					
No. of Items:					
Contents:					
Serial No.:					
Item/State:					
Status:		In-Use			
PCB Type/Code:		Unknown/Unknown			
Location:		Bldg H Wall			
Manufacturer:					
+					
Label:					
No. of Items:					
Contents:					
Serial No.:					
Item/State:					
Status:		In-Use			
PCB Type/Code:		Unknown/Unknown			
Location:		Bldg J on Wall			
Manufacturer:					

**161**    **15 of 21**    **NNE/437.5**    **315.0**    **HAMRIL INVESTMENTS**    **NPCB**  
**490 YORK ROAD**  
**GUELPH ON N1E 6V1**

Company Code: O1020  
Transaction Date: 10/7/1993  
Inspection Date: 3/13/1991  
Industry: Other  
Site Status:

--- Details ---

Label:  
No. of Items:  
Contents: 900.00 L  
Serial No.:  
Item/State:  
Status: In-Use  
PCB Type/Code: Askarel  
Location:  
Manufacturer:

**161**    **16 of 21**    **NNE/437.5**    **315.0**    **B B Wood**    **SCT**  
**490 York Rd**  
**Guelph ON N1E 6V1**

Established: 1994  
Plant Size (ft²):

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Employment:		1			
--- Details ---					
SIC/NAICS Code:		337110			
Description:		Wood Kitchen Cabinet and Counter Top Manufacturing			
+					
SIC/NAICS Code:		337123			
Description:		Other Wood Household Furniture Manufacturing			
<a href="#">161</a>	17 of 21	NNE/437.5	315.0	<b>Jetfloat Limited</b> 490 York Rd Guelph ON N1E 6V1	SCT
Established:		01-AUG-76			
Plant Size (ft²):		1000			
Employment:					
--- Details ---					
SIC/NAICS Code:		336611			
Description:		Ship Building and Repairing			
<a href="#">161</a>	18 of 21	NNE/437.5	315.0	<b>SOLAR CONVERTERS INC.</b> 490 YORK RD UNIT A104 GUELPH ON N1E 6V1	SCT
Established:		1992			
Plant Size (ft²):		0			
Employment:		0			
--- Details ---					
SIC/NAICS Code:		3433			
Description:		HEATING EQUIPMENT, EXCEPT ELECTRIC AND WARM AIR FURNACES			
+					
SIC/NAICS Code:		3613			
Description:		SWITCHGEAR AND SWITCHBOARD APPARATUS			
<a href="#">161</a>	19 of 21	NNE/437.5	315.0	<b>Bunting Magnetics Company</b> 490 York Rd Unit 214 Guelph ON N1E 6V1	SCT
Established:		1959			
Plant Size (ft²):		130			
Employment:		1			
--- Details ---					
SIC/NAICS Code:		416110			
Description:		Electrical Wiring and Construction Supplies Wholesaler-Distributors			
+					
SIC/NAICS Code:		417220			
Description:		Mining and Oil and Gas Well Machinery, Equipment and Supplies Wholesaler-Distributors			
+					
SIC/NAICS Code:		417230			
Description:		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
<a href="#">161</a>	20 of 21	NNE/437.5	315.0	<b>SPECIALIZED FIBRES INC.</b> 490 York Rd Suite A212 Guelph ON N1E 6V1	SCT
Established:		1995			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Plant Size (ft²):		0			
Employment:		10			
--- Details ---					
SIC/NAICS Code:		313110			
Description:		Fibre, Yarn and Thread Mills			
+					
SIC/NAICS Code:		313210			
Description:		Broad-Woven Fabric Mills			
+					
SIC/NAICS Code:		325210			
Description:		Resin and Synthetic Rubber Manufacturing			
+					
SIC/NAICS Code:		326191			
Description:		Plastic Plumbing Fixture Manufacturing			
+					
SIC/NAICS Code:		326198			
Description:		All Other Plastic Product Manufacturing			
+					
SIC/NAICS Code:		327990			
Description:		All Other Non-Metallic Mineral Product Manufacturing			
<a href="#">161</a>	21 of 21	NNE/437.5	315.0	McGregor Furniture Co. 490 York Rd Guelph ON N1E 6V1	SCT
Established:		01-OCT-00			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		337123			
Description:		Other Wood Household Furniture Manufacturing			
+					
SIC/NAICS Code:		337123			
Description:		Other Wood Household Furniture Manufacturing			
<a href="#">162</a>	1 of 1	WSW/121.7	311.0	Dougan & Associates 77 Wyndham St S Guelph ON N1E 5R3	SCT
Established:		01-AUG-82			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		541620			
Description:		Environmental Consulting Services			
+					
SIC/NAICS Code:		541490			
Description:		Other Specialized Design Services			
+					
SIC/NAICS Code:		115310			
Description:		Support Activities for Forestry			
<a href="#">163</a>	1 of 1	WSW/153.6	311.0	Guelph ON	WWIS
Well ID:	7132174			Lot:	
Concession:				Concession Name:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561244			Northing Nad83:	4821257
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	15-AUG-09
Sec. Water Use:				Well Depth:	3.6 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:	Driving			Flowing (y/n):	
Elevation (m):	311.41			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2.1 m
Material Colour:	SAND, SILT, LOOSE			Material:	2.1 m
+					
Thickness:	BROWN			Original Depth:	3.3 m
Material Colour:	SILT, STONES, DENSE			Material:	1.2 m
+					
Thickness:	GREY			Original Depth:	3.6 m
Material Colour:	SILT, LIMESTONE, DENSE			Material:	.3 m
<a href="#">164</a>	1 of 1	NNE/425.1	315.0	City of Guelph 490 York Road Guelph ON	GEN
Generator #:	ON5983641				
Approval Yrs:	2013				
SIC Code:	913910				
SIC Description:					
--- Details ---					
Waste Code:	146				
Waste Description:	OTHER SPECIFIED INORGANICS				
<a href="#">165</a>	1 of 1	W/176.4	311.0	Guelph ON	WWIS
Well ID:	7138586			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	651233			Northing Nad83:	4821264
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	14-DEC-09
Sec. Water Use:				Well Depth:	4 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Rotary (Air)			Flowing (y/n):	
Elevation (m):	311.33			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	1.2 m
Material Colour:	FILL			Material:	1.2 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:				Original Depth:	4 m
Material Colour:		ROCK		Material:	2.8 m
<a href="#">166</a>	1 of 2	W/455.1	310.0	<b>UNKNOWN SPEED RIVER NEEVE STREET BRIDGE GUELPH CITY ON</b>	<b>SPL</b>
Ref No.:		67320			
Incident Dt:		2/22/1992			
MOE Reported Dt:		2/22/1992			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		MACHINE OIL IN SPEED RIVER FROM STORM SEWER CONTAINED BY BOOM.			
Incident Cause:		UNKNOWN			
Incident Reason:		UNKNOWN			
Nature of Impact:		Surface Water Pollution			
Receiving Medium:		WATER			
Environmental Impact:		POSSIBLE			
<a href="#">166</a>	2 of 2	W/455.1	310.0	<b>FIRE DEPARTMENT SPEED RIVER AT NEEVE ST. &amp; WELLINGTON FIRE TRAINING EXERCISE GUELPH CITY ON</b>	<b>SPL</b>
Ref No.:		115387			
Incident Dt:		7/6/1995			
MOE Reported Dt:		7/6/1995			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		FIRE DEPT. - <5 L DIESEL FUEL TO SPEED R. DURING FIRE TRAINING EXERCISE.			
Incident Cause:		OTHER CONTAINER LEAK			
Incident Reason:		ERROR			
Nature of Impact:		Other			
Receiving Medium:		WATER			
Environmental Impact:		NOT ANTICIPATED			
<a href="#">167</a>	1 of 1	SW/342.8	314.1	<b>236 Gordon Street Guelph ON N1G 1X3</b>	<b>EHS</b>
Order No.:		20090403042			
Report Date:		4/9/2009			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans			
<a href="#">168</a>	1 of 1	NE/54.6	310.1	<b>ON</b>	<b>BORE</b>
Borehole ID:		851627		Type:	Borehole
Use:		Geotechnical/Geological Investigation		Status:	Decommissioned
Drill Method:		Power auger		UTM Zone:	17
Easting:		562939		Northing:	4822153
Location Accuracy:				Orig. Ground Elev m:	309
Elev. Reliability Note:				DEM Ground Elev m:	310

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Total Depth m:	15.8			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	27-JUN-1962			Static Water Level:	1
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	220428018			Top Depth(m):	0.0
Bottom Depth(m):	2.0			Stratum Desc:	Sand, gravel, clinkers, glass. (Fill material)
+					
Stratum ID:	220428019			Top Depth(m):	2.0
Bottom Depth(m):	2.2			Stratum Desc:	Peat.
+					
Stratum ID:	220428020			Top Depth(m):	2.2
Bottom Depth(m):	6.0			Stratum Desc:	Light grey organic silt (Shells and shell fragments)
+					
Stratum ID:	220428021			Top Depth(m):	6.0
Bottom Depth(m):	10.6			Stratum Desc:	Very dense grey gravel some sand trace of silt (Occasional boulder)
+					
Stratum ID:	220428022			Top Depth(m):	10.6
Bottom Depth(m):	14.6			Stratum Desc:	Very dense grey silt and sand, trace of gravel, trace of clay. (Till texture)
+					
Stratum ID:	220428023			Top Depth(m):	14.6
Bottom Depth(m):	15.8			Stratum Desc:	Very dense grey sand.

[169](#)

1 of 1

W/180.0

311.0

WWIS

**Guelph ON**

Well ID:	7129314	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561228	Northing Nad83:	4821265
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	Construction Date:	09-JUL-09
Sec. Water Use:		Well Depth:	3.6 m
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	
Construction Method:	Driving	Flowing (y/n):	
Elevation (m):	311.38	Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:		Casing Material:	Not stated

--- Details ---

Thickness:	BROWN	Original Depth:	1 m
Material Colour:	FILL, TOPSOIL, LOOSE	Material:	1 m
+			
Thickness:	BROWN	Original Depth:	2 m
Material Colour:	FILL, SILT, LOOSE	Material:	1 m
+			
Thickness:	BROWN	Original Depth:	3.6 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Material Colour:	SILT, SAND, LOOSE			Material:	1.6 m
<a href="#">170</a>	1 of 1	NE/74.5	311.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	6715405			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562902			Northing Nad83:	4822193
Zone:	17			Utm Reliability:	
Primary Water Use:	Not Used			Construction Date:	07-JUL-05
Sec. Water Use:				Well Depth:	6 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	310.8			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	6 m
Material Colour:	SAND, GRAVEL			Material:	3.8 m
+					
Thickness:				Original Depth:	.15 m
Material Colour:				Material:	.15 m
+					
Thickness:				Original Depth:	2.2 m
Material Colour:	SAND, GRAVEL			Material:	2.05 m

<a href="#">171</a>	1 of 1	NE/58.5	310.8	<b>ON</b>	<b>BORE</b>
Borehole ID:	851628			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Power auger			UTM Zone:	17
Easting:	562930			Northing:	4822166
Location Accuracy:				Orig. Ground Elev m:	314
Elev. Reliability Note:				DEM Ground Elev m:	310
Total Depth m:	2.1			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	12-JUL-1962			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	220428024			Top Depth(m):	0.0
Bottom Depth(m):	2.1			Stratum Desc:	Brown sand and gravel some cobbles and boulders (till material)

<a href="#">172</a>	1 of 1	NE/75.2	307.4	<b>ON</b>	<b>BORE</b>
Borehole ID:	851626			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Power auger			UTM Zone:	17



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Eastings:</i> 562972 <i>Northings:</i> 4822123 <i>Location Accuracy:</i> <i>Orig. Ground Elev m:</i> 308 <i>Elev. Reliability Note:</i> <i>DEM Ground Elev m:</i> 306 <i>Total Depth m:</i> 9.1 <i>Primary Name:</i> <i>Township:</i> <i>Concession:</i> <i>Lot:</i> <i>Municipality:</i> <i>Completion Date:</i> 03-JUL-1962 <i>Static Water Level:</i> -1 <i>Primary Water Use:</i> <i>Sec. Water Use:</i>					
--- Details ---					
<i>Stratum ID:</i> 220428015 <i>Top Depth(m):</i> 0.0					
<i>Bottom Depth(m):</i> 2.7 <i>Stratum Desc:</i> Black silty peat.					
+					
<i>Stratum ID:</i> 220428016 <i>Top Depth(m):</i> 2.7					
<i>Bottom Depth(m):</i> 6.5 <i>Stratum Desc:</i> Light grey organic silt (shells and shell fragments.)					
+					
<i>Stratum ID:</i> 220428017 <i>Top Depth(m):</i> 6.5					
<i>Bottom Depth(m):</i> 9.1 <i>Stratum Desc:</i> Very dense grey gravel some sand trace of silt (occasional boulder)					
<a href="#">173</a>	1 of 3	WSW/140.0	311.0	<b>75 Wyndham St S Guelph On Guelph ON N1E5R3</b>	<b>EHS</b>
<i>Order No.:</i> 20131219002					
<i>Report Date:</i> 30-DEC-13					
<i>Report Type:</i> Custom Report					
<i>Search Radius (km):</i> .25					
<i>Addit. Info Ordered:</i>					
<a href="#">173</a>	2 of 3	WSW/140.0	311.0	<b>TNT RENTAL CENTRE LIMITED 75 WYNDHAM ST S GUELPH ON</b>	<b>EXP</b>
<i>Instance ID:</i> 396968					
<i>TSSA Program Area:</i>					
<i>Maximum Hazard Rank:</i>					
<i>Instance Number:</i> 9846352					
<i>Instance Type:</i> FS Facility					
<i>Status:</i> EXPIRED					
<i>Description:</i> FS Propane Cylr Handling Facility					
<a href="#">173</a>	3 of 3	WSW/140.0	311.0	<b>TNT RENTAL CENTRE LTD 75 WYNDHAM ST S GUELPH ON N1E 5R3</b>	<b>PRT</b>
<i>Location ID:</i> 5579					
<i>Type:</i> retail					
<i>Expiry Date:</i> 1994-03-31					
<i>Capacity (L):</i> 0					
<i>Licence #:</i> 0056817001					
<a href="#">174</a>	1 of 1	NE/90.5	308.0	<b>ON</b>	<b>BORE</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Borehole ID:	851625			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Power auger			UTM Zone:	17
Easting:	562987			Northing:	4822115
Location Accuracy:				Orig. Ground Elev m:	309
Elev. Reliability Note:				DEM Ground Elev m:	308
Total Depth m:	4.8			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	29-JUN-1962			Static Water Level:	1
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	220428010			Top Depth(m):	0.0
Bottom Depth(m):	0.5			Stratum Desc:	Fill material.
+					
Stratum ID:	220428011			Top Depth(m):	0.5
Bottom Depth(m):	2.0			Stratum Desc:	Loose brown sand trace of gravel trace of organic.
+					
Stratum ID:	220428012			Top Depth(m):	2.0
Bottom Depth(m):	2.1			Stratum Desc:	Peat.
+					
Stratum ID:	220428013			Top Depth(m):	2.1
Bottom Depth(m):	2.6			Stratum Desc:	Gravel and sand.
+					
Stratum ID:	220428014			Top Depth(m):	2.6
Bottom Depth(m):	4.8			Stratum Desc:	Black limestone bedrock.

[175](#)    1 of 1       WSW/94.1    310.0    **TRANSPORT TRUCK  
46 YORK RD MOTOR VEHICLE  
(OPERATING FLUID)  
GUELPH CITY ON**    **SPL**

Ref No.: 674  
Incident Dt: 2/26/1988  
MOE Reported Dt: 2/26/1988  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: SADDLE TANK LEAK FROM TANKER TRUCK RESULTED IN 113 L. TO GROUND.  
Incident Cause: OTHER CAUSE (N.O.S.)  
Incident Reason: UNKNOWN  
Nature of Impact:  
Receiving Medium: LAND  
Environmental Impact:

[176](#)    1 of 1       NE/69.3    310.3    **ON**    **BORE**

Borehole ID: 851629    Type: Borehole  
Use: Geotechnical/Geological Investigation    Status: Decommissioned  
Drill Method: Power auger    UTM Zone: 17  
Easting: 562938    Northing: 4822174  
Location Accuracy:    Orig. Ground Elev m: 310  
Elev. Reliability Note:    DEM Ground Elev m: 310

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Total Depth m:	4.5			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	12-JUL-1962			Static Water Level:	-999.9
Primary Water Use:				Sec. Water Use:	
--- Details ---					
Stratum ID:	220428025			Top Depth(m):	0.0
Bottom Depth(m):	0.3			Stratum Desc:	Black sand and silt.
+					
Stratum ID:	220428026			Top Depth(m):	0.3
Bottom Depth(m):	0.9			Stratum Desc:	Sand and gravel.
+					
Stratum ID:	220428027			Top Depth(m):	0.9
Bottom Depth(m):	1.8			Stratum Desc:	Peat
+					
Stratum ID:	220428028			Top Depth(m):	1.8
Bottom Depth(m):	4.5			Stratum Desc:	Dense to very dense brown gravel some sand trace of silt. (Occasional cobbles and boulders)

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1 of 1

SW/230.8

310.0

WWIS

**GUELPH ON**

Well ID:	7174157	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561366	Northing Nad83:	4820887
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	Construction Date:	30-OCT-11
Sec. Water Use:		Well Depth:	41 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:	Untested	Casing Material:	Not stated

--- Details ---

Thickness:	BROWN	Original Depth:	5 ft
Material Colour:	SAND	Material:	5 ft
+			
Thickness:	GREY	Original Depth:	41 ft
Material Colour:	LIMESTONE, , ROCK	Material:	36 ft

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1 of 1

WSW/217.3

309.8

WWIS

**GUELPH ON**

Well ID:	7174156	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561355	Northing Nad83:	4820899
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	Construction Date:	30-OCT-11
Sec. Water Use:		Well Depth:	41 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Pump Rate: Flow Rate: Specific Capacity: Construction Method: Rotary (Convent.) Elevation (m): Depth to Bedrock: Water Type: Untested				Static Water Level: Clear/Cloudy: Final Well Status: Observation Wells Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material: Not stated	
--- Details ---					
Thickness: BROWN				Original Depth: 4 ft	
Material Colour: SAND				Material: 4 ft	
+					
Thickness: GREY				Original Depth: 41 ft	
Material Colour: LIMESTONE, , ROCK				Material: 37 ft	
<a href="#">179</a>	1 of 5	NE/75.7	310.0	<b>University of Guelph</b> <b>328 Victoria Road South Lot 12 Division G</b> <b>Guelph ON N1L 0H2</b>	ECA
CofA Number: 4272-8LUQW8					
Date: 11/23/2011					
Status: Approved					
Project Type: Municipal and Private Sewage					
<a href="#">179</a>	2 of 5	NE/75.7	310.0	<b>University of Guelph Guelph Turfgrass</b> <b>Institute</b> <b>328 Victoria Road South</b> <b>Guelph ON N1L 0H2</b>	GEN
Generator #: ON9418514					
Approval Yrs: As of April 2014					
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code: 252					
Waste Description: Waste crankcase oils and lubricants					
+					
Waste Code: 221					
Waste Description: Light fuels					
<a href="#">179</a>	3 of 5	NE/75.7	310.0	<b>University of Guelph</b> <b>328 Victoria Road South</b> <b>Guelph ON N1L 0H2</b>	GEN
Generator #: ON9418514					
Approval Yrs: 2011					
SIC Code: 611310					
SIC Description:					
<a href="#">179</a>	4 of 5	NE/75.7	310.0	<b>University of Guelph</b> <b>328 Victoria Road South</b> <b>Guelph ON</b>	GEN
Generator #: ON9418514					

Map Key	Number of Records	Direction/Distance m	Elevation m	Site	DB
Approval Yrs:		2013			
SIC Code:		611310			
SIC Description:		UNIVERSITIES			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">179</a>	5 of 5	NE/75.7	310.0	University of Guelph 328 Victoria Road South Guelph ON N1L 0H2	GEN
Generator #:		ON9418514			
Approval Yrs:		2012			
SIC Code:		611310			
SIC Description:		Universities			
<a href="#">180</a>	1 of 1	NE/78.4	308.8	GELPH ON	WWIS
Well ID:		6715491		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	GUELPH CITY
Easting Nad83:		562965		Northing Nad83:	4822157
Zone:		17		Utm Reliability:	
Primary Water Use:				Construction Date:	12-AUG-05
Sec. Water Use:				Well Depth:	11.9 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:		Boring		Flowing (y/n):	
Elevation (m):		309.02		Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Unknown type in the lower layers(s)
Water Type:				Casing Material:	
--- Details ---					
Thickness:		BROWN		Original Depth:	4 m
Material Colour:		SAND, GRAVEL		Material:	4 m
+					
Thickness:				Original Depth:	8.7 m
Material Colour:				Material:	4.7 m
+					
Thickness:		BROWN		Original Depth:	11.9 m
Material Colour:		SAND, GRAVEL		Material:	3.2 m
<a href="#">181</a>	1 of 3	WSW/169.1	311.0	71 Wyndham Street South Guelph ON N1E 5R3	EHS
Order No.:		20090724015			
Report Date:		8/4/2009			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Sire Plans			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">181</a>	2 of 3	WSW/169.1	311.0	<b>TNT RENTAL CENTRE LIMITED 71 WYNDHAM ST S GUELPH ON</b>	<b>EXP</b>
Instance ID:		11552			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10075470			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:		FS Propane Cylr Handling Facility			
<a href="#">181</a>	3 of 3	WSW/169.1	311.0	<b>TNT RENTAL CENTRE LTD 71 WYNDHAM ST S UNIT C GUELPH ON N1E 5R3</b>	<b>PRT</b>
Location ID:		28055			
Type:		retail			
Expiry Date:		1995-04-30			
Capacity (L):		0			
Licence #:		0076416528			
<a href="#">182</a>	1 of 1	SW/238.1	310.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:		7162251		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561362		Northing Nad83:	
Zone:		17		Utm Reliability:	
Primary Water Use:				Construction Date:	
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:		Rotary (Convent.)		Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
---				FRESH	
--- Details ---					
Thickness:		BROWN		Original Depth:	
Material Colour:		FILL, , LOOSE		Material:	
+					
Thickness:		WHITE		Original Depth:	
Material Colour:		ROCK, , HARD		Material:	
<a href="#">183</a>	1 of 7	NE/103.7	311.0	<b>HART CHEMICAL LIMITED GUELPH ON</b>	<b>CHEM</b>
Mailing City:		GUELPH			
Mailing Address:		256 VICTORIA ROAD SOUTH			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
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Mailing Address 2:  
Business:  
Description:

<a href="#">183</a>	2 of 7	NE/103.7	311.0	Huntsman Corporation Canada City of Guelph ON	EBR
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Year: 1998  
EBR Registry No.: IA8E0038  
Ministry Ref. No.:  
Type: Instrument  
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)  
Proposal Date: 1/15/98  
Location: City of Guelph  
Proponent Address: Huntsman Corporation Canada, Inc.,256 Victoria Road South,Guelph, Ontario,N1E 5R1

<a href="#">183</a>	3 of 7	NE/103.7	311.0	Huntsman Corporation Canada City of Guelph ON	EBR
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Year: 1997  
EBR Registry No.: IA7E1655  
Ministry Ref. No.:  
Type: Instrument  
Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)  
Proposal Date: 11/5/97  
Location: City of Guelph  
Proponent Address: Huntsman Corporation Canada, Inc.,256 Victoria Road South,Guelph, Ontario,N1E 5R1

<a href="#">183</a>	4 of 7	NE/103.7	311.0	Huntsman Corporation Canada Inc 256 Victoria Road South Guelph ON N1H6K8	NPRI
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NPRI #: 7200001436  
Year: 2006  
Longitude:  
Latitude:

<a href="#">183</a>	5 of 7	NE/103.7	311.0	HART CHEMICALS VICTORIA RD. GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	SPL
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Ref No.: 37493  
Incident Dt: 7/10/1990  
MOE Reported Dt: 7/10/1990  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: HART CHEMICAL -HCL VAPOUR TO ATM. AFTER HYDROGEN CHLORIDE SPILL IN PLANT.  
Incident Cause: PIPE/HOSE LEAK  
Incident Reason: EQUIPMENT FAILURE  
Nature of Impact:  
Receiving Medium: AIR  
Environmental Impact: NOT ANTICIPATED

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">183</a>	6 of 7	NE/103.7	311.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7041825			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:				Northing Nad83:	
Zone:				Utm Reliability:	
Primary Water Use:	Commerical			Construction Date:	08-DEC-06
Sec. Water Use:				Well Depth:	25 ft
Pump Rate:	30 GPM			Static Water Level:	5 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:	FRESH			Casing Material:	FRESH
--- Details ---					
Thickness:	BROWN			Original Depth:	1 ft
Material Colour:	TOPSOIL			Material:	1 ft
+					
Thickness:	BROWN			Original Depth:	25 ft
Material Colour:	STONES, GRAVEL			Material:	24 ft
<a href="#">183</a>	7 of 7	NE/103.7	311.0	<b>ON</b>	<b>WWIS</b>
Well ID:	6715143			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:				Northing Nad83:	
Zone:				Utm Reliability:	unknown UTM
Primary Water Use:				Construction Date:	02-NOV-04
Sec. Water Use:				Well Depth:	20 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	3 ft
Material Colour:	TOPSOIL, GRAVEL			Material:	3 ft
+					
Thickness:	BROWN			Original Depth:	20 ft
Material Colour:	GRAVEL, SILT, SAND			Material:	17 ft
<a href="#">184</a>	1 of 1	WSW/224.6	310.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7162250			Lot:	
Concession:				Concession Name:	



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561349			Northing Nad83:	4820891
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	11-APR-11
Sec. Water Use:				Well Depth:	6.71 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	FRESH
--- Details ---					
Thickness:	BROWN			Original Depth:	2.13 m
Material Colour:	FILL, , LOOSE			Material:	2.13 m
+					
Thickness:	WHITE			Original Depth:	6.71 m
Material Colour:	ROCK, , HARD			Material:	4.58 m

<a href="#">185</a>	1 of 5	WSW/233.5	310.0	180 Gordon Street Ltd. 180 Gordon Street Guelph ON	CPU
Year:	2015				
EBR Registry No.:	012-4002				
Ministry Ref. No.:	2475-9TGKG3				
Type:	Instrument Proposal				
Instrument Type:	(EPA s. 168.6) - Certificate of Property Use				
Proposal Date:	April 29, 2015				
Location:	180 Gordon Street, City of Guelph With a Legal Description of: Part of Lot A Plan 302 as in RO743914 City of Guelph, County of Wellington PIN: 71237-0023 (LT) CITY OF GUELPH				
Proponent Address:	Toronto, 3 Bridgman Street , Suite 205, 180 Gordon Street, City of Guelph, Toronto Ontario, Canada M5R 3V4				

<a href="#">185</a>	2 of 5	WSW/233.5	310.0	MICWIL INC 180 GORDON ST GUELPH ON N1G 1X1	EXP
Instance ID:	67205				
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:	11076637				
Instance Type:	FS Liquid Fuel Tank				
Status:	EXPIRED				
Description:	FS Gasoline Station - Full Serve				

<a href="#">185</a>	3 of 5	WSW/233.5	310.0	MICWIL INC 180 GORDON ST GUELPH ON N1G 1X1	EXP
Instance ID:	67178				
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:	11076687				
Instance Type:	FS Liquid Fuel Tank				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Status:</i>		EXPIRED			
<i>Description:</i>		FS Gasoline Station - Full Serve			
<a href="#">185</a>	4 of 5	WSW/233.5	310.0	MICWIL INC 180 GORDON ST GUELPH ON N1G 1X1	EXP
<i>Instance ID:</i>		67333			
<i>TSSA Program Area:</i>					
<i>Maximum Hazard Rank:</i>					
<i>Instance Number:</i>		11076614			
<i>Instance Type:</i>		FS Liquid Fuel Tank			
<i>Status:</i>		EXPIRED			
<i>Description:</i>		FS Gasoline Station - Full Serve			
<a href="#">185</a>	5 of 5	WSW/233.5	310.0	MICWIL INC 180 GORDON ST GUELPH ON N1G 1X1	EXP
<i>Instance ID:</i>		68258			
<i>TSSA Program Area:</i>					
<i>Maximum Hazard Rank:</i>					
<i>Instance Number:</i>		11076659			
<i>Instance Type:</i>		FS Liquid Fuel Tank			
<i>Status:</i>		EXPIRED			
<i>Description:</i>		FS Gasoline Station - Full Serve			
<a href="#">186</a>	1 of 15	WSW/229.8	310.0	180 Gordon Street Guelph ON N1G 1X1	EHS
<i>Order No.:</i>		20110721043			
<i>Report Date:</i>		7/27/2011			
<i>Report Type:</i>		Custom Report			
<i>Search Radius (km):</i>		0.25			
<i>Addit. Info Ordered:</i>					
<a href="#">186</a>	2 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON N1G 1X1	EXP
<i>Instance ID:</i>					
<i>TSSA Program Area:</i>					
<i>Maximum Hazard Rank:</i>					
<i>Instance Number:</i>		11076659			
<i>Instance Type:</i>		FS Liquid Fuel Tank			
<i>Status:</i>		EXPIRED			
<i>Description:</i>					
<a href="#">186</a>	3 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<i>Instance ID:</i>		381672			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>TSSA Program Area: Maximum Hazard Rank: Instance Number: 9202038 Instance Type: FS Facility Status: EXPIRED Description: FS Gasoline Station - Full Serve</p>					
<a href="#">186</a>	4 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 67117 TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076672 Instance Type: FS Piping Status: EXPIRED Description: FS Piping</p>					
<a href="#">186</a>	5 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 67210 TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076706 Instance Type: FS Propane Tank Status: EXPIRED Description: FS Propane Tank</p>					
<a href="#">186</a>	6 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 67178 TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076687 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description: FS Liquid Fuel Tank</p>					
<a href="#">186</a>	7 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 393580 TSSA Program Area: Maximum Hazard Rank: Instance Number: 9880040 Instance Type: FS Facility Status: EXPIRED Description: FS Propane Refill Cntr - Cylr Fill</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">186</a>	8 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON N1G 1X1	EXP
<p>Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076614 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:</p>					
<a href="#">186</a>	9 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 67205 TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076637 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description: FS Liquid Fuel Tank</p>					
<a href="#">186</a>	10 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 67378 TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076645 Instance Type: FS Piping Status: EXPIRED Description: FS Piping</p>					
<a href="#">186</a>	11 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 67888 TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076626 Instance Type: FS Piping Status: EXPIRED Description: FS Piping</p>					
<a href="#">186</a>	12 of 15	WSW/229.8	310.0	MICWIL INC 180 GORDON ST GUELPH ON	EXP
<p>Instance ID: 67384</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
TSSA Program Area: Maximum Hazard Rank: Instance Number: 11076693 Instance Type: FS Piping Status: EXPIRED Description: FS Piping					
<a href="#">186</a>	13 of 15	WSW/229.8	310.0	<b>MIKE WILFORD SUNOCO 180 GORDON ST GUELPH ON N1G1X1</b>	<b>PRT</b>
Location ID: 18180 Type: retail Expiry Date: 1995-10-31 Capacity (L): 90920 Licence #: 0000019938					
<a href="#">186</a>	14 of 15	WSW/229.8	310.0	<b>MIKE WILFORD SUNOCO 180 GORDON ST GUELPH ON N1G 1X1</b>	<b>PRT</b>
Location ID: 18180 Type: retail Expiry Date: 1995-03-31 Capacity (L): 1000 Licence #: 0076339894					
<a href="#">186</a>	15 of 15	WSW/229.8	310.0	<b>A MICWIL CAR &amp; TRUCK RENTALS 180 GORDON ST GUELPH ON N1G 1X1</b>	<b>RST</b>
Facility: Propane Gas Description:					
<a href="#">187</a>	1 of 1	NE/94.3	308.9	<b>ON</b>	<b>WWIS</b>
Well ID: 6711401 Concession: County: WELLINGTON Easting Nad83: 562972.3 Zone: 17 Primary Water Use: Industrial Sec. Water Use: Pump Rate: 20 GPM Flow Rate: Specific Capacity: Construction Method: Rotary (Air) Elevation (m): 309.01 Depth to Bedrock: Water Type: Lot: Concession Name: Municipality: GUELPH CITY Northing Nad83: 4822175 Utm Reliability: margin of error : 10 - 30 m Construction Date: 23-SEP-93 Well Depth: 26 ft Static Water Level: Clear/Cloudy: Final Well Status: Observation Wells Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: Overburden Casing Material: --- Details --- Thickness: BLACK Original Depth: 4 ft					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Material Colour:	SAND, SILTY, GRAVEL			Material:	4 ft
+					
Thickness:	BLACK			Original Depth:	8 ft
Material Colour:	SAND, GRAVEL, STONES			Material:	4 ft
+					
Thickness:	GREY			Original Depth:	14 ft
Material Colour:	SAND, STONES, BOULDERS			Material:	6 ft
+					
Thickness:	BROWN			Original Depth:	22 ft
Material Colour:	COARSE SAND, STONES, BOULDERS			Material:	8 ft
+					
Thickness:	GREY			Original Depth:	26 ft
Material Colour:	TILL, SILTY, STONES			Material:	4 ft

[188](#)    1 of 1    **NNE/253.5**    313.0    **220-240 Victoria Rd. S.  
Guelph ON N1E 5R1**    **EHS**

Order No.: 20040630007  
 Report Date: 7/9/04  
 Report Type: Custom Report  
 Search Radius (km): 0.25  
 Addit. Info Ordered:

[189](#)    1 of 7    **NNE/261.9**    313.0    **Victoria Road Animal Hospital Professional  
Corp  
222 Victoria Road South  
Guelph ON N1E 5R1**    **GEN**

Generator #: ON6547994  
 Approval Yrs: 07,08  
 SIC Code: 541940  
 SIC Description: Veterinary Services

--- Details ---  
 Waste Code: 312  
 Waste Description: PATHOLOGICAL WASTES

[189](#)    2 of 7    **NNE/261.9**    313.0    **Victoria Road Animal Hospital Professional  
Corp  
222 Victoria Road South  
Guelph ON N1E 5R1**    **GEN**

Generator #: ON6547994  
 Approval Yrs: 2009  
 SIC Code: 541940  
 SIC Description: Veterinary Services

--- Details ---  
 Waste Code: 312  
 Waste Description: PATHOLOGICAL WASTES

[189](#)    3 of 7    **NNE/261.9**    313.0    **Victoria Road Animal Hospital Professional  
Corp  
222 Victoria Road South**    **GEN**

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>Guelph ON N1E 5R1</b>					
Generator #:		ON6547994			
Approval Yrs:		2012			
SIC Code:		541940			
SIC Description:		Veterinary Services			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">189</a>	4 of 7	NNE/261.9	313.0	Victoria Road Animal Hospital Professional Corp 222 Victoria Road South Guelph ON N1E 5R1	GEN
Generator #:		ON6547994			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
<a href="#">189</a>	5 of 7	NNE/261.9	313.0	Victoria Road Animal Hospital Professional Corp 222 Victoria Road South Guelph ON	GEN
Generator #:		ON6547994			
Approval Yrs:		2013			
SIC Code:		541940			
SIC Description:		VETERINARY SERVICES			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">189</a>	6 of 7	NNE/261.9	313.0	Victoria Road Animal Hospital Professional Corp 222 Victoria Road South Guelph ON N1E 5R1	GEN
Generator #:		ON6547994			
Approval Yrs:		2011			
SIC Code:		541940			
SIC Description:		Veterinary Services			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">189</a>	7 of 7	NNE/261.9	313.0	Victoria Road Animal Hospital Professional Corp 222 Victoria Road South Guelph ON N1E 5R1	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON6547994			
Approval Yrs:		2010			
SIC Code:		541940			
SIC Description:		Veterinary Services			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">190</a>	1 of 1	SW/242.0	310.1	<b>GUELPH ON</b>	WWIS
Well ID:		7162248		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561344		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Test Hole		4820873	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 10 - 30 m	
Flow Rate:				Construction Date:	
Specific Capacity:				11-APR-11	
Construction Method:		Auger		Well Depth:	
Elevation (m):				3.05 m	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
---		---		Final Well Status:	
Thickness:		BROWN		Flowing (y/n):	
Material Colour:		FILL, , LOOSE		Elevation Reliability:	
---		---		Overburden/Bedrock:	
---		---		Casing Material:	
---		---		Not stated	
<a href="#">191</a>	1 of 1	SW/323.9	313.0	<b>220 Gordon Street Guelph ON</b>	EHS
Order No.:		20110413039			
Report Date:		4/25/2011			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans			
<a href="#">192</a>	1 of 1	WSW/237.7	310.0	<b>GUELPH ON</b>	WWIS
Well ID:		6715964		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561337		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Not Used		4820877	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 10 - 30 m	
Flow Rate:				Construction Date:	
Specific Capacity:				20-OCT-06	
Construction Method:		Rotary (Convent.)		Well Depth:	
Elevation (m):		310.5		4 m	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
---		---		Final Well Status:	
---		---		Observation Wells	
---		---		Flowing (y/n):	
---		---		Elevation Reliability:	
---		---		Overburden/Bedrock:	
---		---		Overburden	
---		---		Casing Material:	
---		---		Not stated	



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Thickness:	BROWN			Original Depth:	4 m
Material Colour:	SAND, GRAVEL			Material:	4 m
<a href="#">193</a>	1 of 1	NE/164.3	312.0	<b>GUELPH ON</b>	WWIS
Well ID:	7046359			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562871			Northing Nad83:	4822281
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	27-JUN-07
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):	311.3			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
<a href="#">194</a>	1 of 1	SW/363.0	314.9	<b>236 Gordon Street Guelph ON</b>	EHS
Order No.:	20140228024				
Report Date:	11-MAR-14				
Report Type:	Standard Report				
Search Radius (km):	.25				
Addit. Info Ordered:					
<a href="#">195</a>	1 of 4	NNE/348.1	315.0	<b>494677 ONTARIO LTD. (MAURIZIO ROMANIN) VICTORIA RD./YORK RD. GUELPH CITY ON</b>	CA
Certificate #:	3-1037-91-				
Application Year:	91				
Issue Date:	8/22/1991				
Approval Type:	Municipal sewage				
Status:	Approved				
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
<a href="#">195</a>	2 of 4	NNE/348.1	315.0	<b>York Rd &amp; Victoria Rd S Guelph ON</b>	EHS
Order No.:	20030722012				
Report Date:	7/31/03				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Fire Insur. Maps and/or Site Plans and/or Inspection Reports			
<a href="#">195</a>	3 of 4	NNE/348.1	315.0	Upper Canada Forest Products<UNOFFICIAL> Intersection of York & Victoria Streets<UNOFFICIAL> Guelph ON	SPL
Ref No.:		6540-6YGQ9C			
Incident Dt:					
MOE Reported Dt:		2/16/2007			
Contaminant Name:		DIESEL FUEL			
Contaminant Quantity:		75.7 L			
Incident Summary:		Upper Canada Forest Prod, diesel to asphalt			
Incident Cause:		Other Transport Accident			
Incident Reason:		Equipment Failure			
Nature of Impact:		Other Impact(s)			
Receiving Medium:		Land			
Environmental Impact:		Possible			
<a href="#">195</a>	4 of 4	NNE/348.1	315.0	HUNTSMAN CORP TIM HORTONS @ VICTORIA & YORK GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	SPL
Ref No.:		147476			
Incident Dt:		10/6/1997			
MOE Reported Dt:		10/6/1997			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP.- 3-5 L DEFOAMER, NON-TOXIC TO PARKING LOT, CLEANED.			
Incident Cause:		OTHER CONTAINER LEAK			
Incident Reason:		UNKNOWN			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
Environmental Impact:		NOT ANTICIPATED			
<a href="#">196</a>	1 of 7	NNE/386.7	315.0	Control Painting and Office Services Ltd. 199 Victoria Rd South unit E43 Guelph ON	GEN
Generator #:		ON5436310			
Approval Yrs:		2012			
SIC Code:		238320			
SIC Description:		Painting and Wall Covering Contractors			
<a href="#">196</a>	2 of 7	NNE/386.7	315.0	Control Painting and Office Services Ltd. 199 Victoria Rd South unit E43 Guelph ON	GEN
Generator #:		ON5436310			
Approval Yrs:		As of April 2014			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code: SIC Description:					
--- Details ---					
Waste Code:		145			
Waste Description:		Wastes from the use of pigments, coatings and paints			
+					
Waste Code:		211			
Waste Description:		Aromatic solvents and residues			
<a href="#">196</a>	3 of 7	NNE/386.7	315.0	Control Painting and Office Services Ltd. 199 Victoria Rd South unit E43 Guelph ON	GEN
Generator #:		ON5436310			
Approval Yrs:		2013			
SIC Code:		238320			
SIC Description:		PAINTING AND WALL COVERING CONTRACTORS			
--- Details ---					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
<a href="#">196</a>	4 of 7	NNE/386.7	315.0	System Resale Solutions IV Ltd 199 Victoria Rd S Unit C5 Guelph ON N1E 6T9	SCT
Established:		01-SEP-87			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		419120			
Description:		Wholesale Trade Agents and Brokers			
+					
SIC/NAICS Code:		443120			
Description:		Computer and Software Stores			
<a href="#">196</a>	5 of 7	NNE/386.7	315.0	STERLING CREATIONS INC. 199 VICTORIA RD S UNIT C7 GUELPH ON N1E 6T9	SCT
Established:		1983			
Plant Size (ft²):		3000			
Employment:		4			
--- Details ---					
SIC/NAICS Code:		3999			
Description:		MANUFACTURING INDUSTRIES, NOT ELSEWHERE CLASSIFIED			
+					
SIC/NAICS Code:		5046			
Description:		COMMERCIAL EQUIPMENT, NOT ELSEWHERE CLASSIFIED			
+					
SIC/NAICS Code:		5085			
Description:		INDUSTRIAL SUPPLIES			
+					
SIC/NAICS Code:		5162			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Description:		PLASTICS MATERIALS AND BASIC FORMS AND SHAPES			
+					
SIC/NAICS Code:		5199			
Description:		NONDURABLE GOODS, NOT ELSEWHERE CLASSIFIED			
+					
SIC/NAICS Code:		2542			
Description:		OFFICE AND STORE FIXTURES, PARTITIONS, SHELVING, AND LOCKERS, EXCEPT WOOD			
+					
SIC/NAICS Code:		2754			
Description:		COMMERCIAL PRINTING, GRAVURE			
+					
SIC/NAICS Code:		3069			
Description:		FABRICATED RUBBER PRODUCTS, NOT ELSEWHERE CLASSIFIED			
+					
SIC/NAICS Code:		3089			
Description:		PLASTICS PRODUCTS, NOT ELSEWHERE CLASSIFIED			
+					
SIC/NAICS Code:		3993			
Description:		SIGNS AND ADVERTISING SPECIALTIES			
<a href="#">196</a>	<b>6 of 7</b>	<b>NNE/386.7</b>	<b>315.0</b>	<b>SOLAR CONVERTERS INC. 199 VICTORIA RD S UNIT C1 GUELPH ON N1E 6T9</b>	<b>SCT</b>
Established:		1992			
Plant Size (ft²):		1000			
Employment:		5			
--- Details ---					
SIC/NAICS Code:		333416			
Description:		Heating Equipment and Commercial Refrigeration Equipment Manufacturing			
+					
SIC/NAICS Code:		335315			
Description:		Switchgear and Switchboard, and Relay and Industrial Control Apparatus Manufacturing			
<a href="#">196</a>	<b>7 of 7</b>	<b>NNE/386.7</b>	<b>315.0</b>	<b>VTR Uniforms 199 Victoria Rd S Unit C8-C9 Guelph ON N1E 6T9</b>	<b>SCT</b>
Established:		01-JAN-86			
Plant Size (ft²):		8000			
Employment:					
--- Details ---					
SIC/NAICS Code:		414110			
Description:		Clothing and Clothing Accessories Wholesaler-Distributors			
+					
SIC/NAICS Code:		448199			
Description:		All Other Clothing Stores			
+					
SIC/NAICS Code:		315210			
Description:		Cut and Sew Clothing Contracting			
+					
SIC/NAICS Code:		315234			
Description:		Women's and Girls' Cut and Sew Suit, Coat, Tailored Jacket and Skirt Manufacturing			
+					
SIC/NAICS Code:		315229			
Description:		Other Men's and Boys' Cut and Sew Clothing Manufacturing			
+					
SIC/NAICS Code:		315299			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Description:		All Other Cut and Sew Clothing Manufacturing			
+					
SIC/NAICS Code:		315226			
Description:		Men's and Boys' Cut and Sew Shirt Manufacturing			
+					
SIC/NAICS Code:		315239			
Description:		Other Women's and Girls' Cut and Sew Clothing Manufacturing			
+					
SIC/NAICS Code:		315239			
Description:		Other Women's and Girls' Cut and Sew Clothing Manufacturing			
+					
SIC/NAICS Code:		315227			
Description:		Men's and Boys' Cut and Sew Trouser, Slack and Jean Manufacturing			
+					
SIC/NAICS Code:		315222			
Description:		Men's and Boys' Cut and Sew Suit, Coat and Overcoat Manufacturing			

<a href="#">197</a>	1 of 1	SW/437.6	317.9	Corner of Gordon and Forbes<UNOFFICIAL> Guelph ON	SPL
Ref No.:		3131-7HWR5J			
Incident Dt:					
MOE Reported Dt:		8/27/2008			
Contaminant Name:		DIESEL FUEL			
Contaminant Quantity:					
Incident Summary:		City of Guelph: Diesel fuel to grnd, cln.			
Incident Cause:		Other Discharges			
Incident Reason:					
Nature of Impact:					
Receiving Medium:					
Environmental Impact:		Not Anticipated			

<a href="#">198</a>	1 of 1	WSW/245.4	310.3	GUELPH ON	WWIS
Well ID:		7174155		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561329		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Monitoring		4820869	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				30-OCT-11	
Construction Method:		Rotary (Convent.)		Well Depth:	
Elevation (m):				41 ft	
Depth to Bedrock:				Static Water Level:	
Water Type:		Untested		Clear/Cloudy:	
				Final Well Status:	
				Observation Wells	
				Flowing (y/n):	
				Elevation Reliability:	
				Overburden/Bedrock:	
				Casing Material:	
				Not stated	
--- Details ---					
Thickness:		BROWN		Original Depth:	
Material Colour:		SAND		12 ft	
+				Material:	
Thickness:		GREY		12 ft	
Material Colour:		LIMESTONE, , ROCK		Original Depth:	
				41 ft	
				Material:	
				29 ft	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">199</a>	1 of 1	WSW/230.6	309.5	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7052916			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561318			Northing Nad83:	4820884
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	07-NOV-07
Sec. Water Use:				Well Depth:	3.7 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Dewatering
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	310.27			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	FRESH			Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, DRY			Material:	3 m
+					
Thickness:	BROWN			Original Depth:	3.7 m
Material Colour:	GRAVEL, SILT, WATER-BEARING			Material:	.7 m
<a href="#">200</a>	1 of 1	WSW/243.4	310.1	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7162249			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561325			Northing Nad83:	4820871
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	11-APR-11
Sec. Water Use:				Well Depth:	7.01 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:	Rotary (Convent.)			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	FRESH
--- Details ---					
Thickness:	BROWN			Original Depth:	3.66 m
Material Colour:	FILL, , LOOSE			Material:	3.66 m
+					
Thickness:	WHITE			Original Depth:	7.01 m
Material Colour:	ROCK, , HARD			Material:	3.35 m
<a href="#">201</a>	1 of 2	WSW/217.4	308.8	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7184577			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Easting Nad83: 561305 Zone: 17 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Other Method Elevation (m): Depth to Bedrock: Water Type:				Northing Nad83: 4820898 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 28-JUN-12 Well Depth: ft Static Water Level: Clear/Cloudy: Final Well Status: Abandoned-Other Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">201</a>	2 of 2	WSW/217.4	308.8	<b>GUELPH ON</b>	WWIS
Well ID: 7184574 Concession: County: WELLINGTON Easting Nad83: 561306 Zone: 17 Primary Water Use: Other Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Other Method Elevation (m): Depth to Bedrock: Water Type:				Lot: Concession Name: Municipality: GUELPH TOWNSHIP Northing Nad83: 4820898 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 28-JUN-12 Well Depth: ft Static Water Level: Clear/Cloudy: Final Well Status: Abandoned-Other Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft
Material Colour:				Material:	ft

<a href="#">202</a>	1 of 1	WSW/215.7	308.7	<b>GUELPH ON</b>	WWIS
Well ID: 7184575 Concession: County: WELLINGTON Easting Nad83: 561303 Zone: 17 Primary Water Use: Other Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Other Method Elevation (m): Depth to Bedrock: Water Type:				Lot: Concession Name: Municipality: GUELPH TOWNSHIP Northing Nad83: 4820900 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 28-JUN-12 Well Depth: ft Static Water Level: Clear/Cloudy: Final Well Status: Abandoned-Supply Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
--- Details ---					
Thickness:				Original Depth:	ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Material Colour:</i>				<i>Material:</i>	ft
<a href="#">203</a>	1 of 1	WSW/213.6	308.3	<b>GUELPH ON</b>	<b>WWIS</b>
<i>Well ID:</i>	7184576			<i>Lot:</i>	
<i>Concession:</i>				<i>Concession Name:</i>	
<i>County:</i>	WELLINGTON			<i>Municipality:</i>	GUELPH TOWNSHIP
<i>Easting Nad83:</i>	561296			<i>Northing Nad83:</i>	4820903
<i>Zone:</i>	17			<i>Utm Reliability:</i>	margin of error : 30 m - 100 m
<i>Primary Water Use:</i>	Other			<i>Construction Date:</i>	28-JUN-12
<i>Sec. Water Use:</i>				<i>Well Depth:</i>	ft
<i>Pump Rate:</i>				<i>Static Water Level:</i>	
<i>Flow Rate:</i>				<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>				<i>Final Well Status:</i>	Abandoned-Other
<i>Construction Method:</i>	Other Method			<i>Flowing (y/n):</i>	
<i>Elevation (m):</i>				<i>Elevation Reliability:</i>	
<i>Depth to Bedrock:</i>				<i>Overburden/Bedrock:</i>	
<i>Water Type:</i>				<i>Casing Material:</i>	
--- Details ---					
<i>Thickness:</i>				<i>Original Depth:</i>	ft
<i>Material Colour:</i>				<i>Material:</i>	ft
<a href="#">204</a>	1 of 2	WSW/249.6	310.0	<b>GUELPH CITY GORDON ST./ALBERT ST./COLLEGE GUELPH CITY ON</b>	<b>CA</b>
<i>Certificate #:</i>	7-0141-94-				
<i>Application Year:</i>	94				
<i>Issue Date:</i>	4/5/1994				
<i>Approval Type:</i>	Municipal water				
<i>Status:</i>	Approved				
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>					
<i>Contaminants:</i>					
<i>Emission Control:</i>					
<a href="#">204</a>	2 of 2	WSW/249.6	310.0	<b>The Corporation of the City of Guelph Intersection of Gordon St. &amp; Water St. Guelph ON</b>	<b>SPL</b>
<i>Ref No.:</i>	7368-7PDQQS				
<i>Incident Dt:</i>					
<i>MOE Reported Dt:</i>	2/18/2009				
<i>Contaminant Name:</i>	HYDRAULIC OIL				
<i>Contaminant Quantity:</i>	1 L				
<i>Incident Summary:</i>	Guelph: 1 L hydraulic oil from plow to c/b				
<i>Incident Cause:</i>	Pipe Or Hose Leak				
<i>Incident Reason:</i>	Unknown - Reason not determined				
<i>Nature of Impact:</i>	Other Impact(s); Soil Contamination				
<i>Receiving Medium:</i>					
<i>Environmental Impact:</i>	Not Anticipated				



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">205</a>	1 of 1	NNE/374.3	314.6	lot 1 con 3 Guelph ON	WWIS
Well ID:	7116513			Lot:	001
Concession:	03			Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562683			Northing Nad83:	4822429
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	14-JUL-08
Sec. Water Use:				Well Depth:	5.9 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Diamond			Flowing (y/n):	
Elevation (m):	314.7			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Not stated			Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	.02 m
Material Colour:	OTHER			Material:	.02 m
+					
Thickness:	BROWN			Original Depth:	.1 m
Material Colour:	SAND, GRAVEL			Material:	.08 m
+					
Thickness:	BLACK			Original Depth:	1 m
Material Colour:	SILT, GRAVEL, TOPSOIL			Material:	.9 m
+					
Thickness:	BROWN			Original Depth:	2.7 m
Material Colour:	SAND, GRAVEL			Material:	1.7 m
+					
Thickness:				Original Depth:	5.9 m
Material Colour:	ROCK, , DOLOMITE			Material:	3.2 m
<a href="#">206</a>	1 of 1	NNE/257.3	313.0	200-240 Victoria Rd S Guelph ON N1E 5R1	EHS
Order No.:	20100115020				
Report Date:	3/9/2010				
Report Type:	Custom Report				
Search Radius (km):	1				
Addit. Info Ordered:					
<a href="#">207</a>	1 of 1	W/425.8	311.7	GUELPH ON	WWIS
Well ID:	7176203			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561128			Northing Nad83:	4821491
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	03-DEC-11
Sec. Water Use:				Well Depth:	33.6 ft
Pump Rate:				Static Water Level:	
<b>324</b>	<a href="http://erisinfo.com">erisinfo.com</a>	EcoLog ERIS Ltd.			Order #: 20150514049
	Guelph Paisley Phase 2 PTTW	York Rd Guelph ON			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Not Known			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Untested			Casing Material:	FRESH, MINERIAL, Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	10 ft
Material Colour:	GRAVEL, FILL			Material:	10 ft
+					
Thickness:	GREY			Original Depth:	16 ft
Material Colour:	LIMESTONE			Material:	6 ft
+					
Thickness:	BROWN			Original Depth:	33.6 ft
Material Colour:	LIMESTONE			Material:	17.6 ft

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W/442.2

312.7

WWIS

**GUELPH ON**

Well ID:	7176204	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561123	Northing Nad83:	4821507
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	Construction Date:	05-DEC-11
Sec. Water Use:		Well Depth:	33.8 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Observation Wells
Construction Method:		Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:	Untested	Casing Material:	FRESH, Not stated
--- Details ---			
Thickness:	BROWN	Original Depth:	8 ft
Material Colour:	GRAVEL, FILL	Material:	8 ft
+			
Thickness:	GREY	Original Depth:	14 ft
Material Colour:	LIMESTONE	Material:	6 ft
+			
Thickness:	BROWN	Original Depth:	33.8 ft
Material Colour:	LIMESTONE	Material:	19.8 ft

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1 of 1

NNE/352.7

314.0

SPL

**SHERWOOD FUELS  
BULK STATION  
GUELPH CITY ON**

Ref No.:	1308
Incident Dt:	6/14/1988
MOE Reported Dt:	6/14/1988
Contaminant Name:	
Contaminant Quantity:	
Incident Summary:	SHERWOOD FUELS - FUEL SPILL TO DYKED AREA.
Incident Cause:	CONTAINER OVERFLOW

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[erisinfo.com](http://erisinfo.com) | EcoLog ERIS Ltd.  
Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Incident Reason:		ERROR			
Nature of Impact:					
Receiving Medium:		LAND			
Environmental Impact:		NOT ANTICIPATED			

<a href="#">210</a>	1 of 1	NNE/323.9	313.9	GUELPH ON	WWIS
Well ID:	7150743			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562759			Northing Nad83:	4822412
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	17-AUG-10
Sec. Water Use:				Well Depth:	7.62 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):	313.72			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	7.62 m
Material Colour:				Material:	7.62 m
+					
Thickness:				Original Depth:	7.62 m
Material Colour:				Material:	0 m

<a href="#">211</a>	1 of 1	NE/149.3	309.0	ON	WWIS
Well ID:	6711399			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562998.3			Northing Nad83:	4822228
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Industrial			Construction Date:	23-SEP-93
Sec. Water Use:				Well Depth:	22 ft
Pump Rate:	2 GPM			Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Air)			Flowing (y/n):	N
Elevation (m):	308.71			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	22 ft
Material Colour:	TILL, STONES			Material:	4 ft
+					
Thickness:	BLACK			Original Depth:	11 ft
Material Colour:	FILL, SAND, GRAVEL			Material:	11 ft
+					
Thickness:	BLACK			Original Depth:	18 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Material Colour:		COARSE SAND, SAND, STONES		Material:	7 ft
<a href="#">212</a>	1 of 1	NE/233.3	312.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	6714879			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562865			Northing Nad83:	4822350
Zone:	17			Utm Reliability:	margin of error : 100 m - 300 m
Primary Water Use:				Construction Date:	15-APR-04
Sec. Water Use:				Well Depth:	4.5 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	311.87			Elevation Reliability:	
Depth to Bedrock:	0			Overburden/Bedrock:	Mixed in a Layer
Water Type:	FRESH			Casing Material:	
--- Details ---					
Thickness:	BROWN			Original Depth:	4.5 m
Material Colour:	SAND, GRAVEL, ROCK			Material:	4.5 m
<a href="#">213</a>	1 of 1	NNE/348.4	314.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7044580			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562742			Northing Nad83:	4822431
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	24-MAY-07
Sec. Water Use:				Well Depth:	6.1 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	314.08			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	6.1 m
Material Colour:	SAND, GRAVEL, DENSE			Material:	6.1 m
<a href="#">214</a>	1 of 1	W/486.3	314.5	<b>109 Surrey Street (East) Guelph ON N1H 3P7</b>	<b>EHS</b>
Order No.:	20030128007				
Report Date:	2/5/03				
Report Type:	Complete Report				
Search Radius (km):	0.25				
Addit. Info Ordered:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">215</a>	1 of 4	W/406.0	312.0	<b>CORPORATION OF THE CITY OF GUELPH FIRE DEPARTMENT 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1</b>	<b>GEN</b>
Generator #:		ON0349007			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		221			
Waste Description:		Light fuels			
+					
Waste Code:		212			
Waste Description:		Aliphatic solvents and residues			
+					
Waste Code:		213			
Waste Description:		Petroleum distillates			
+					
Waste Code:		252			
Waste Description:		Waste crankcase oils and lubricants			
<a href="#">215</a>	2 of 4	W/406.0	312.0	<b>Guelph Fire Department 50 Wyndham Street, South Guelph ON N1H 4E1</b>	<b>GEN</b>
Generator #:		ON2950563			
Approval Yrs:		2012			
SIC Code:		912140			
SIC Description:		Provincial Fire-Fighting Services			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">215</a>	3 of 4	W/406.0	312.0	<b>CORPORATION OF THE CITY OF GUELPH 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1</b>	<b>GEN</b>
Generator #:		ON0349007			
Approval Yrs:		2012			
SIC Code:		813920			
SIC Description:		Professional Organizations			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">215</a>	4 of 4	W/406.0	312.0	<b>Guelph Fire Department</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<b>50 Wyndham Street, South Guelph ON N1H 4E1</b>	
Generator #:		ON2950563			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
+					
Waste Code:		252			
Waste Description:		Waste crankcase oils and lubricants			
+					
Waste Code:		213			
Waste Description:		Petroleum distillates			
+					
Waste Code:		221			
Waste Description:		Light fuels			

<b>216</b>	<b>1 of 1</b>	<b>NNE/422.4</b>	<b>315.0</b>	<b>lot 1 con 3 Guelph ON</b>	<b>WWIS</b>
Well ID:	7116466			Lot:	001
Concession:	03			Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562665			Northing Nad83:	4822474
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Monitoring			Construction Date:	15-JUL-08
Sec. Water Use:				Well Depth:	4.6 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Diamond			Flowing (y/n):	
Elevation (m):	314.85			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:	Not stated			Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	1 m
Material Colour:	SILT			Material:	1 m
+					
Thickness:	BROWN			Original Depth:	2.4 m
Material Colour:	SAND, GRAVEL			Material:	1.4 m
+					
Thickness:	GREY			Original Depth:	4.6 m
Material Colour:	DOLOMITE, , ROCK			Material:	2.2 m

<b>217</b>	<b>1 of 1</b>	<b>NE/181.1</b>	<b>310.1</b>	<b>ON</b>	<b>WWIS</b>
Well ID:	6711889			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562952.3			Northing Nad83:	4822291
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	03-MAY-94

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Sec. Water Use: Pump Rate: 50 GPM Flow Rate: 1 GPM Specific Capacity: Construction Method: Elevation (m): 310.13 Depth to Bedrock: Water Type:				Well Depth: Static Water Level: -1 ft Clear/Cloudy: Final Well Status: Abandoned-Supply Flowing (y/n): N Elevation Reliability: Overburden/Bedrock: No formation data Casing Material: FRESH, MINERIAL	
<a href="#">218</a>	1 of 1	WSW/170.2	309.4	<b>GUELPH ANIMAL HOSPITAL 110 GORDON STREET GUELPH ON</b>	<b>GEN</b>
Generator #: ON2537800 Approval Yrs: 2013 SIC Code: 541940 SIC Description: VETERINARY SERVICES					
--- Details ---					
Waste Code: 261 Waste Description: PHARMACEUTICALS + Waste Code: 312 Waste Description: PATHOLOGICAL WASTES + Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES					
<a href="#">219</a>	1 of 1	NNE/364.0	314.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID: 7044579 Concession: County: WELLINGTON Easting Nad83: 562737 Zone: 17 Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): 314.25 Depth to Bedrock: Water Type:				Lot: Concession Name: Municipality: GUELPH CITY Northing Nad83: 4822446 Utm Reliability: margin of error : 10 - 30 m Construction Date: 18-MAY-07 Well Depth: Static Water Level: Clear/Cloudy: Final Well Status: Flowing (y/n): Elevation Reliability: Overburden/Bedrock: No formation data Casing Material:	
<a href="#">220</a>	1 of 4	W/273.9	310.0	<b>The Futon Shop 23 Wellington St E Unit 4 Guelph ON N1H 3R7</b>	<b>SCT</b>
Established: 1985 Plant Size (ft²): Employment: 3					
--- Details ---					
SIC/NAICS Code: 337123 Description: Other Wood Household Furniture Manufacturing +					
<b>330</b>	<a href="http://erisinfo.com">erisinfo.com</a> EcoLog ERIS Ltd.			Order #: 20150514049	
Guelph Paisley Phase 2 PTTW York Rd Guelph ON					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC/NAICS Code: Description:		337910 Mattress Manufacturing			
<a href="#">220</a>	2 of 4	W/273.9	310.0	<b>BFI Canada Inc. 23 Wellington street Guelph ON</b>	<b>SPL</b>
Ref No.:		6478-5KQNP9			
Incident Dt:		3/17/2003			
MOE Reported Dt:		3/17/2003			
Contaminant Name:		OIL (PETROLEUM BASED, NOT SPECIFIED)			
Contaminant Quantity:					
Incident Summary:		BFI-50 L oil to grnd/C.B.			
Incident Cause:					
Incident Reason:					
Nature of Impact:					
Receiving Medium:		Land & Water			
Environmental Impact:					
<a href="#">220</a>	3 of 4	W/273.9	310.0	<b>BUS OUTFALL TO SPEED RIVER BEHIND PLAZA AT MR. SUB, 23 WELLINGTON STREET EAST MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON N1H 3R7</b>	<b>SPL</b>
Ref No.:		213631			
Incident Dt:		10/12/2001			
MOE Reported Dt:		10/12/2001			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		GUELPH CITY BUS:10-15 L DIESEL TO STREET, CATCH BASIN, SPEED RIVER			
Incident Cause:		OTHER CONTAINER LEAK			
Incident Reason:		UNKNOWN			
Nature of Impact:		Multi Media Pollution			
Receiving Medium:		Land, Water			
Environmental Impact:		Confirmed			
<a href="#">220</a>	4 of 4	W/273.9	310.0	<b>23 Wellington St. East Guelph ON N1H 3R7</b>	<b>SPL</b>
Ref No.:		0310-7VS4AV			
Incident Dt:					
MOE Reported Dt:		9/10/2009			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		Angel's Diner - Grease release to storm sewer, C/b & bank			
Incident Cause:					
Incident Reason:					
Nature of Impact:		Soil Contamination			
Receiving Medium:					
Environmental Impact:		Possible			
<a href="#">221</a>	1 of 1	W/468.3	314.0	<b>Ben Pilon Enterprise 101 surrey st east guelph ON N1H 3P7</b>	<b>GEN</b>



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON4605968			
Approval Yrs:		03,04			
SIC Code:					
SIC Description:					
<a href="#">222</a>	1 of 23	NNE/348.6	314.0	523 York Rd. Guelph ON N1E 3J3	EHS
Order No.:		20021002005			
Report Date:		10/11/02			
Report Type:		Complete Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">222</a>	2 of 23	NNE/348.6	314.0	STRAUSS FUELS INC 523 YORK RD & VICTORIA ST GUELPH ON	EXP
Instance ID:		20220			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10464641			
Instance Type:		FS Highway Tank - Gas/Diesel			
Status:		EXPIRED			
Description:		FS HIGHWAY TANK - GASOLINE/DIESEL			
<a href="#">222</a>	3 of 23	NNE/348.6	314.0	IMPERIAL OIL LIMITED C/O AUDREY STURGE 523 YORK RD & VICTORIA ST GUELPH ON L0L 2L0	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		9562554			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:					
<a href="#">222</a>	4 of 23	NNE/348.6	314.0	STRAUSS FUELS INC 523 YORK RD & VICTORIA ST GUELPH ON	EXP
Instance ID:		20193			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10464643			
Instance Type:		FS Highway Tank - Gas/Diesel			
Status:		EXPIRED			
Description:		FS HIGHWAY TANK - GASOLINE/DIESEL			
<a href="#">222</a>	5 of 23	NNE/348.6	314.0	STRAUSS FUELS INC	EXP

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
				<b>523 YORK RD &amp; VICTORIA ST GUELPH ON</b>	
				Instance ID: 19994 TSSA Program Area: Maximum Hazard Rank: Instance Number: 10464649 Instance Type: FS Highway Tank - Gas/Diesel Status: EXPIRED Description: FS HIGHWAY TANK - GASOLINE/DIESEL	
<a href="#">222</a>	6 of 23	NNE/348.6	314.0	<b>STRAUSS FUELS INC 523 YORK RD &amp; VICTORIA ST GUELPH ON</b>	EXP
				Instance ID: 23408 TSSA Program Area: Maximum Hazard Rank: Instance Number: 10483707 Instance Type: FS Highway Tank - Gas/Diesel Status: EXPIRED Description: FS HIGHWAY TANK - GASOLINE/DIESEL	
<a href="#">222</a>	7 of 23	NNE/348.6	314.0	<b>Imperial OiLimited( c/o Sara Yonson) 523 YORK ROAD GUELPH ON N1E 3J3</b>	GEN
				Generator #: ON1315738 Approval Yrs: 07,08 SIC Code: 412110 SIC Description: Petroleum Product Wholesaler-Distributors  --- Details --- Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS + Waste Code: 221 Waste Description: LIGHT FUELS + Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES	
<a href="#">222</a>	8 of 23	NNE/348.6	314.0	<b>ESSO PETROLEUM CANADA 523 YORK ROAD GUELPH ON N2E 3J3</b>	GEN
				Generator #: ON1315738 Approval Yrs: 92,93,97 SIC Code: 5111 SIC Description: PETROLEUM PROD., WH.  --- Details --- Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS + Waste Code: 221 Waste Description: LIGHT FUELS +	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">222</a>	9 of 23	NNE/348.6	314.0	TEXACO CANADA INC 523 YORK ROAD GUELPH ON N2E 3J3	GEN
Generator #:		ON0005294			
Approval Yrs:		98			
SIC Code:		3611			
SIC Description:		REFINED PETRO. PROD.			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">222</a>	10 of 23	NNE/348.6	314.0	IMPERIAL OIL 523 YORK ROAD GUELPH ON N2E 3J3	GEN
Generator #:		ON1315738			
Approval Yrs:		02,03,04,05,06			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">222</a>	11 of 23	NNE/348.6	314.0	TEXACO CANADA INC. 523 YORK RD. GUELPH ON N1E 3J3	GEN
Generator #:		ON0005294			
Approval Yrs:		88,89,90			
SIC Code:		3611			
SIC Description:		REFINED PETRO. PROD.			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">222</a>	12 of 23	NNE/348.6	314.0	Imperial Oil Limited 523 YORK ROAD GUELPH ON N2E 3J3	GEN
Generator #:		ON1315738			
Approval Yrs:		2012			
SIC Code:		412110			
SIC Description:		Petroleum Product Wholesaler-Distributors			
--- Details ---					
Waste Code:		146			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

[222](#)    **13 of 23**    **NNE/348.6**    **314.0**    **Imperial Oil Limited**  
**523 YORK ROAD**  
**GUELPH ON**    **GEN**

Generator #: ON1315738  
Approval Yrs: 2009  
SIC Code: 412110  
SIC Description: Petroleum Product Wholesaler-Distributors

--- Details ---

Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 221  
Waste Description: LIGHT FUELS  
+  
Waste Code: 251  
Waste Description: OIL SKIMMINGS & SLUDGES

[222](#)    **14 of 23**    **NNE/348.6**    **314.0**    **Imperial Oil**  
**523 YORK ROAD**  
**GUELPH ON N1E 3J3**    **GEN**

Generator #: ON1315738  
Approval Yrs: As of April 2014  
SIC Code:  
SIC Description:

--- Details ---

Waste Code: 251  
Waste Description: Waste oils/sludges (petroleum based)  
+  
Waste Code: 252  
Waste Description: Waste crankcase oils and lubricants  
+  
Waste Code: 221  
Waste Description: Light fuels

[222](#)    **15 of 23**    **NNE/348.6**    **314.0**    **IMPERIAL OIL LIMITED**  
**523 YORK ROAD**  
**GUELPH ON N2E 3J3**    **GEN**

Generator #: ON1315738  
Approval Yrs: 98,99,00,01  
SIC Code: 5111  
SIC Description: PETROLEUM PROD., WH.

--- Details ---

Waste Code: 146

335

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">222</a>	16 of 23	NNE/348.6	314.0	ESSO PETROLEUM CANADA 523 YORK ROAD, GUELPH C/O 1210 SHEPPARD AVENUE EAST NORTH YORK ON N1E 3J3	49-001 GEN
Generator #:		ON1315738			
Approval Yrs:		94,95,96			
SIC Code:		5111			
SIC Description:		PETROLEUM PROD., WH.			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">222</a>	17 of 23	NNE/348.6	314.0	Imperial Oil Limited 523 YORK ROAD GUELPH ON	GEN
Generator #:		ON1315738			
Approval Yrs:		2010			
SIC Code:		412110			
SIC Description:		Petroleum Product Wholesaler-Distributors			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">222</a>	18 of 23	NNE/348.6	314.0	Imperial Oil Limited 523 YORK ROAD GUELPH ON	GEN
Generator #:		ON1315738			
Approval Yrs:		2011			
SIC Code:		412110			
SIC Description:		Petroleum Product Wholesaler-Distributors			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
		Waste Code: 251			
		Waste Description: OIL SKIMMINGS & SLUDGES			
		+			
		Waste Code: 252			
		Waste Description: WASTE OILS & LUBRICANTS			
		+			
		Waste Code: 221			
		Waste Description: LIGHT FUELS			
		+			
		Waste Code: 146			
		Waste Description: OTHER SPECIFIED INORGANICS			
<a href="#">222</a>	19 of 23	NNE/348.6	314.0	TEXACO CANADA INC. 523 YORK RD. GUELPH ON N1E 3J3	37-389 GEN
		Generator #: ON0005294			
		Approval Yrs: 92,93,94,95,96,97			
		SIC Code: 3611			
		SIC Description: REFINED PETRO. PROD.			
--- Details ---					
		Waste Code: 221			
		Waste Description: LIGHT FUELS			
<a href="#">222</a>	20 of 23	NNE/348.6	314.0	IMPERIAL OIL LIMITED LINDA BOWES 523 YORK RD & VICTORIA ST GUELPH ON N1E 3J3	PRT
		Location ID: 5690			
		Type: retail			
		Expiry Date: 1995-04-30			
		Capacity (L): 345496			
		Licence #: 0023573145			
<a href="#">222</a>	21 of 23	NNE/348.6	314.0	ESSO PETROLEUM CANADA 523 YORK ROAD GUELPH BULK STATION 523 YORK ROAD GUELPH CITY ON N1E 3J3	SPL
		Ref No.: 96392			
		Incident Dt: 2/16/1994			
		MOE Reported Dt: 2/16/1994			
		Contaminant Name:			
		Contaminant Quantity:			
		Incident Summary: ESSO PETROLEUM: 150-200L DIESEL FUEL OVERFLOWED TOGROUNND DURING FILLING.			
		Incident Cause: CONTAINER OVERFLOW			
		Incident Reason: ERROR			
		Nature of Impact: Soil contamination			
		Receiving Medium: LAND			
		Environmental Impact: CONFIRMED			
<a href="#">222</a>	22 of 23	NNE/348.6	314.0	SHERWOOD FUELS SHERWOOD FUELS BULK STATION 523 YORK ROAD, GUELPH BULK STATION GUELPH CITY ON N1E 3J3	SPL

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Ref No.:		1608			
Incident Dt:		3/25/1988			
MOE Reported Dt:		3/25/1988			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		SHERWOOD FUELS - 207L		MARKED FURNACE OIL TO	DYKED AREA.
Incident Cause:		CONTAINER OVERFLOW			
Incident Reason:		ERROR			
Nature of Impact:					
Receiving Medium:		LAND			
Environmental Impact:					
<a href="#">222</a>	23 of 23	NNE/348.6	314.0	ESSO PETROLEUM CANADA ESSO BULK STATION AT 523 YORK GUELPH BULK STATION GUELPH CITY ON N1E 3J3	SPL
Ref No.:		65178			
Incident Dt:		12/11/1991			
MOE Reported Dt:		12/12/1991			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		ESSO - 2 L OF DIESEL FUEL		TO GRAVEL WHILE MAKING	DELIVERY TO BULK STATION.
Incident Cause:					
Incident Reason:					
Nature of Impact:					
Receiving Medium:		LAND			
Environmental Impact:					
<a href="#">223</a>	1 of 6	WSW/174.1	309.7	GUELPH ANIMAL HOSPITAL 110 GORDON STREET GUELPH ON N1H 4H6	GEN
Generator #:		ON2537800			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
---					
Waste Code:		312			
Waste Description:		Pathological wastes			
+					
Waste Code:		261			
Waste Description:		Pharmaceuticals			
+					
Waste Code:		264			
Waste Description:		Photoprocessing wastes			
<a href="#">223</a>	2 of 6	WSW/174.1	309.7	GUELPH ANIMAL HOSPITAL 110 GORDON STREET GUELPH ON N1H 4H6	GEN
Generator #:		ON2537800			
Approval Yrs:		2012			
SIC Code:		541940			
SIC Description:		Veterinary Services			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
	+				
	Waste Code:	261			
	Waste Description:	PHARMACEUTICALS			
	+				
	Waste Code:	264			
	Waste Description:	PHOTOPROCESSING WASTES			
<a href="#">223</a>	3 of 6	WSW/174.1	309.7	<b>GUELPH ANIMAL HOSPITAL 110 GORDON STREET GUELPH ON N1H 4H6</b>	<b>GEN</b>
	Generator #:	ON2537800			
	Approval Yrs:	2011			
	SIC Code:	541940			
	SIC Description:	Veterinary Services			
--- Details ---					
	Waste Code:	264			
	Waste Description:	PHOTOPROCESSING WASTES			
	+				
	Waste Code:	261			
	Waste Description:	PHARMACEUTICALS			
	+				
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
<a href="#">223</a>	4 of 6	WSW/174.1	309.7	<b>GUELPH ANIMAL HOSPITAL 110 GORDON STREET GUELPH ON N1H 4H6</b>	<b>GEN</b>
	Generator #:	ON2537800			
	Approval Yrs:	99,00,01,02,03,04,05,06,07,08			
	SIC Code:	0219			
	SIC Description:	OTHER ANIMAL SERV.			
--- Details ---					
	Waste Code:	261			
	Waste Description:	PHARMACEUTICALS			
	+				
	Waste Code:	264			
	Waste Description:	PHOTOPROCESSING WASTES			
	+				
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
<a href="#">223</a>	5 of 6	WSW/174.1	309.7	<b>GUELPH ANIMAL HOSPITAL 110 GORDON STREET GUELPH ON N1H 4H6</b>	<b>GEN</b>
	Generator #:	ON2537800			
	Approval Yrs:	2009			
	SIC Code:	541940			
	SIC Description:	Veterinary Services			
--- Details ---					
	Waste Code:	261			
	Waste Description:	PHARMACEUTICALS			



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>+ Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES</p> <p>+ Waste Code: 312 Waste Description: PATHOLOGICAL WASTES</p>					
<a href="#">223</a>	6 of 6	WSW/174.1	309.7	<b>GUELPH ANIMAL HOSPITAL 110 GORDON STREET GUELPH ON N1H 4H6</b>	<b>GEN</b>
<p>Generator #: ON2537800 Approval Yrs: 2010 SIC Code: 541940 SIC Description: Veterinary Services</p> <p>--- Details --- Waste Code: 312 Waste Description: PATHOLOGICAL WASTES</p> <p>+ Waste Code: 261 Waste Description: PHARMACEUTICALS</p> <p>+ Waste Code: 264 Waste Description: PHOTOPROCESSING WASTES</p>					
<a href="#">224</a>	1 of 1	NNE/349.6	313.9	<b>Imperial Oil 523 YORK ROAD GUELPH ON</b>	<b>GEN</b>
<p>Generator #: ON1315738 Approval Yrs: 2013 SIC Code: 412110 SIC Description: PETROLEUM PRODUCT WHOLESALER-DISTRIBUTORS</p> <p>--- Details --- Waste Code: 251 Waste Description: OIL SKIMMINGS &amp; SLUDGES</p> <p>+ Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS</p> <p>+ Waste Code: 221 Waste Description: LIGHT FUELS</p> <p>+ Waste Code: 252 Waste Description: WASTE OILS &amp; LUBRICANTS</p>					
<a href="#">225</a>	1 of 1	NNE/337.5	313.0	<b>Guelph ON</b>	<b>WWIS</b>
<p>Well ID: 7189362 Concession: County: WELLINGTON Easting Nad83: 562776 Zone: 17 Primary Water Use: Monitoring Sec. Water Use: Pump Rate:</p> <p>Lot: Concession Name: Municipality: GUELPH TOWNSHIP Northing Nad83: 4822434 Utm Reliability: margin of error : 30 m - 100 m Construction Date: 18-MAY-12 Well Depth: 31 ft Static Water Level:</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Diamond			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	6 ft
Material Colour:	HARD			Material:	6 ft
+					
Thickness:	BROWN			Original Depth:	20 ft
Material Colour:	FILL, , HARD			Material:	14 ft
+					
Thickness:	GREY			Original Depth:	24 ft
Material Colour:	SILT, CLAY, DENSE			Material:	4 ft
+					
Thickness:	GREY			Original Depth:	31 ft
Material Colour:	LIMESTONE, SHALE, HARD			Material:	7 ft

<a href="#">226</a>	1 of 1	NNE/359.2	314.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	6715677			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	562753			Northing Nad83:	4822448
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	08-FEB-06
Sec. Water Use:				Well Depth:	5.18 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	314.2			Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	Overburden
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2 m
Material Colour:	FILL, GRAVEL			Material:	2 m
+					
Thickness:	BROWN			Original Depth:	5.18 m
Material Colour:	GRAVEL, SAND			Material:	3.18 m

<a href="#">227</a>	1 of 7	W/337.5	312.0	<b>1579149 ONTARIO LTD</b> <b>58 WELLINGTON ST E AT WYNDHAM</b> <b>GUELPH ON</b>	<b>EXP</b>
Instance ID:	72759				
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:	11182448				
Instance Type:	FS Piping				
Status:	EXPIRED				
Description:	FS Piping				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">227</a>	2 of 7	W/337.5	312.0	6370861 CANADA LTD 58 WELLINGTON ST E AT WYNDHAM GUELPH ON N1H 3R8	FSTH
License Issue Date:		1/4/2006			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--- Details ---					
Status:		Removed			
Capacity (L):		27500			
Year of Installation:		1982			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Removed			
Capacity (L):		36740			
Year of Installation:		1982			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Removed			
Capacity (L):		36740			
Year of Installation:		1982			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity (L):		36740			
Year of Installation:		1982			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			

<a href="#">227</a>	3 of 7	W/337.5	312.0	6370861 CANADA LTD 58 WELLINGTON ST E AT WYNDHAM GUELPH ON N1H 3R8	FSTH
License Issue Date:		1/4/2006 3:02:00 PM			
Tank Status:		Pending Renewal (Expired)			
Tank Status As Of:		December 2008			
Operation Type:		Retail Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--- Details ---					
Status:		Active			
Capacity (L):		36740			
Year of Installation:		1982			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity (L):		36700			
Year of Installation:		1982			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Status: Active Capacity (L): 36700 Year of Installation: 1982 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity (L): 36700 Year of Installation: 1982 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity (L): 22752 Year of Installation: 1982 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline					
<a href="#">227</a>	4 of 7	W/337.5	312.0	<b>HARVEY SPROWL 58 WELLINGTON ST AT WYNDHAM GUELPH ON</b>	<b>PRT</b>
Location ID: 5662 Type: retail Expiry Date: 1996-02-28 Capacity (L): 137352 Licence #: 0049984001					
<a href="#">227</a>	5 of 7	W/337.5	312.0	<b>KAMRAN &amp; BROS AUTO SERVICES LTD 58 WELLINGTON ST E GUELPH ON N1H 3R8</b>	<b>RST</b>
Facility: Description: Service Stations-Gasoline, Oil & Natural Gas					
<a href="#">227</a>	6 of 7	W/337.5	312.0	<b>HARVEY'S SELF SERVE GAS BAR 58 WELLINGTON ST E GUELPH ON N1H3R8</b>	<b>RST</b>
Facility: Description: Service Stations-Gasoline, Oil & Natural Gas					
<a href="#">227</a>	7 of 7	W/337.5	312.0	<b>WENTZEL AUTO SERVICES INC 58 WELLINGTON ST E GUELPH ON N1H 3R8</b>	<b>RST</b>
Facility: Description: Service Stations-Gasoline, Oil & Natural Gas					
<a href="#">228</a>	1 of 1	NNE/478.5	315.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID: 7186713 Concession:				Lot: Concession Name:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562618			Northing Nad83:	4822512
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	14-AUG-12
Sec. Water Use:				Well Depth:	13.7 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Rotary (Air)			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	4.2 m
Material Colour:	GRAVEL, SAND			Material:	4.2 m
+					
Thickness:	BLACK			Original Depth:	13.7 m
Material Colour:	LIMESTONE			Material:	9.5 m

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1 of 1

WSW/190.7

310.0

100 GORDON STREET  
GUELPH ON N1H 4H6

HINC

External File Num: FS INC 0705-02348  
 Date of Occurrence: 5/2/2007  
 Fuel Occurrence Type: Vapour Release  
 Fuel Type Involved: Natural Gas  
 Status Desc: Completed - Causal Analysis(End)  
 Job Type Desc: Incident/Near-Miss Occurrence (FS)  
 Oper. Type Involved: Construction Site (pipeline strike)  
 Service Interruptions: Yes  
 Property Damage: Yes  
 Fuel Life Cycle Stage: Transmission, Distribution and Transportation  
 Root Cause: Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:No  
 Training:Yes Management:Yes Human Factors:Yes

Reported Details:  
 Fuel Category: Gaseous Fuel  
 Occurrence Type: Incident  
 Affiliation: Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)  
 County Name: Wellington  
 Approx. Quant. Rel:  
 Nearby body of water:  
 Enter Drainage Syst.:  
 Approx. Quant. Unit:  
 Environmental Impact:

[230](#)

1 of 26

W/387.5

312.4

CITY OF GUELPH  
50 WYNDHAM ST S  
GUELPH ON N1H 4E1

FST

Instance Number: 11223398  
 Cont Name:  
 Instance Type: FS Liquid Fuel Tank  
 Fuel Type: Diesel  
 Status: Active  
 Capacity: 4546  
 Tank Material: Fiberglass (FRP)  
 Corrosion Protection: Fiberglass

344

[erisinfo.com](http://erisinfo.com) EcoLog ERIS Ltd.  
 Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Tank Type: Install Year: Parent Facility Type: Facility Type:		Single Wall UST 1996 Fuels Safety Private Fuel Outlet - Self Serve FS Liquid Fuel Tank			
<a href="#">230</a>	2 of 26	W/387.5	312.4	CITY OF GUELPH 50 WYNDHAM ST S GUELPH ON N1H 4E1	FST
Instance Number: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		11223293 FS Liquid Fuel Tank Gasoline Active 4546 Fiberglass (FRP) Fiberglass Single Wall UST 1990 Fuels Safety Private Fuel Outlet - Self Serve FS Liquid Fuel Tank			
<a href="#">230</a>	3 of 26	W/387.5	312.4	CITY OF GUELPH 50 WYNDHAM ST S GUELPH ON N1H 4E1	FST
Instance Number: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		11223327 FS Liquid Fuel Tank Diesel Active 4500 Fiberglass (FRP) Fiberglass Single Wall UST 1990 Fuels Safety Private Fuel Outlet - Self Serve FS Liquid Fuel Tank			
<a href="#">230</a>	4 of 26	W/387.5	312.4	CITY OF GUELPH 50 WYNDHAM ST S GUELPH ON N1H 4E1	FST
Instance Number: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		11223356 FS Liquid Fuel Tank Gasoline Active 4546 Fiberglass (FRP) Fiberglass Single Wall UST 1996 Fuels Safety Private Fuel Outlet - Self Serve FS Liquid Fuel Tank			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">230</a>	5 of 26	W/387.5	312.4	GUELPH FIRE DEPARTMENT 50 WYNDHAM ST S GUELPH ON N1H 4E1	FSTH
License Issue Date:		1/8/1993			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--- Details ---					
Status:		Active			
Capacity (L):		9092			
Year of Installation:		9999			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity (L):		4546			
Year of Installation:		9999			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
<a href="#">230</a>	6 of 26	W/387.5	312.4	CITY OF GUELPH 50 WYNDHAM ST S GUELPH ON N1H 4E1	FSTH
License Issue Date:		1/8/1993			
Tank Status:		Licensed			
Tank Status As Of:		December 2008			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--- Details ---					
Status:		Active			
Capacity (L):		4546			
Year of Installation:		1996			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
+					
Status:		Active			
Capacity (L):		4546			
Year of Installation:		1996			
Corrosion Protection:					
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
<a href="#">230</a>	7 of 26	W/387.5	312.4	CITY OF GUELPH 50 WYNDHAM ST S GUELPH ON N1H 4E1	FSTH
License Issue Date:		1/11/1991			
Tank Status:		Licensed			
Tank Status As Of:		August 2007			
Operation Type:		Private Fuel Outlet			
Facility Type:		Gasoline Station - Self Serve			
--- Details ---					
Status:		Active			
Capacity (L):		4546			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Year of Installation: 1990 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity (L): 4500 Year of Installation: 1990 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel					
<a href="#">230</a>	8 of 26	W/387.5	312.4	<b>CITY OF GUELPH 50 WYNDHAM ST S GUELPH ON N1H 4E1</b>	<b>FSTH</b>
License Issue Date: 1/11/1991 Tank Status: Licensed Tank Status As Of: December 2008 Operation Type: Private Fuel Outlet Facility Type: Gasoline Station - Self Serve  --- Details --- Status: Active Capacity (L): 4546 Year of Installation: 1990 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Gasoline + Status: Active Capacity (L): 4500 Year of Installation: 1990 Corrosion Protection: Tank Fuel Type: Liquid Fuel Single Wall UST - Diesel					
<a href="#">230</a>	9 of 26	W/387.5	312.4	<b>Guelph Fire Department 50 Wyndham Street, South Guelph ON N1H 4E1</b>	<b>GEN</b>
Generator #: ON2950563 Approval Yrs: 2010 SIC Code: 912140 SIC Description: Provincial Fire-Fighting Services  --- Details --- Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					
<a href="#">230</a>	10 of 26	W/387.5	312.4	<b>Guelph Fire Department 50 Wyndham Street, South Guelph ON N1H 4E1</b>	<b>GEN</b>
Generator #: ON2950563 Approval Yrs: 2011 SIC Code: 912140 SIC Description: Provincial Fire-Fighting Services  --- Details --- Waste Code: 312 Waste Description: PATHOLOGICAL WASTES					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">230</a>	11 of 26	W/387.5	312.4	<b>CORPORATION OF THE CITY OF GUELPH 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1</b>	GEN
Generator #:		ON0349007			
Approval Yrs:		2010			
SIC Code:		813920			
SIC Description:		Professional Organizations			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
<a href="#">230</a>	12 of 26	W/387.5	312.4	<b>GUELPH, CORP. OF THE CITY OF 50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1</b>	GEN
Generator #:		ON0349007			
Approval Yrs:		92,93,97			
SIC Code:		8224			
SIC Description:		FIREFIGHTING SERV.			
--- Details ---					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">230</a>	13 of 26	W/387.5	312.4	<b>CORPORATION OF THE CITY OF GUELPH 50 WYNDHAM STREET SOUTH GUELPH ON</b>	GEN
Generator #:		ON0349007			
Approval Yrs:		2013			
SIC Code:		813920			
SIC Description:		PROFESSIONAL ORGANIZATIONS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
		Waste Code:	212		
		Waste Description:	ALIPHATIC SOLVENTS		
		+			
		Waste Code:	221		
		Waste Description:	LIGHT FUELS		
		+			
		Waste Code:	252		
		Waste Description:	WASTE OILS & LUBRICANTS		
		+			
		Waste Code:	213		
		Waste Description:	PETROLEUM DISTILLATES		
<a href="#">230</a>	14 of 26	W/387.5	312.4	<b>GUELPH, CORP. OF THE CITY OF FIRE DEPARTMENT 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1</b>	GEN
		Generator #:	ON0349007		
		Approval Yrs:	90		
		SIC Code:	8224		
		SIC Description:	FIREFIGHTING SERV.		
--- Details ---					
		Waste Code:	252		
		Waste Description:	WASTE OILS & LUBRICANTS		
<a href="#">230</a>	15 of 26	W/387.5	312.4	<b>Guelph Fire Department 50 Wyndham Street, South Guelph ON N1H 4E1</b>	GEN
		Generator #:	ON2950563		
		Approval Yrs:	2009		
		SIC Code:	912140		
		SIC Description:	Provincial Fire-Fighting Services		
--- Details ---					
		Waste Code:	312		
		Waste Description:	PATHOLOGICAL WASTES		
<a href="#">230</a>	16 of 26	W/387.5	312.4	<b>GUELPH, CORP. OF THE CITY OF 17- 371 50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1</b>	GEN
		Generator #:	ON0349007		
		Approval Yrs:	96		
		SIC Code:	8224		
		SIC Description:	FIREFIGHTING SERV.		
--- Details ---					
		Waste Code:	213		
		Waste Description:	PETROLEUM DISTILLATES		
		+			
		Waste Code:	221		
		Waste Description:	LIGHT FUELS		
		+			
		Waste Code:	241		

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">230</a>	17 of 26	W/387.5	312.4	<b>GUELPH, CORPORATION OF THE CITY OF 50 WYNDHAM STREET SOUTH FIRE DEPARTMENT GUELPH ON N1H 4E1</b>	<b>GEN</b>
Generator #:		ON0349007			
Approval Yrs:		98,99,00,01			
SIC Code:		8224			
SIC Description:		FIREFIGHTING SERV.			
--- Details ---					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">230</a>	18 of 26	W/387.5	312.4	<b>Guelph Fire Department 50 Wyndham Street, South Guelph ON</b>	<b>GEN</b>
Generator #:		ON2950563			
Approval Yrs:		2013			
SIC Code:		912140			
SIC Description:					
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">230</a>	19 of 26	W/387.5	312.4	<b>CORPORATION OF THE CITY OF GUELPH 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #: Approval Yrs: SIC Code: SIC Description:		ON0349007 2011 813920 Professional Organizations			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">230</a>	20 of 26	W/387.5	312.4	<b>CORPORATION OF THE CITY OF GUELPH 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1</b>	<b>GEN</b>
Generator #: Approval Yrs: SIC Code: SIC Description:		ON0349007 2009 813920 Professional Organizations			
--- Details ---					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">230</a>	21 of 26	W/387.5	312.4	<b>GUELPH, CORP. OF THE CITY OF 371 FIRE DEPARTMENT 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1</b>	<b>GEN</b>
Generator #: Approval Yrs: SIC Code: SIC Description:		ON0349007 94,95 8224 FIREFIGHTING SERV.			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">230</a>	22 of 26	W/387.5	312.4	CORPORATION OF THE CITY OF GUELPH 50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	GEN

Generator #: ON0349007  
Approval Yrs: 02,03,04,05,06,07,08  
SIC Code:  
SIC Description:

--- Details ---

Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 221  
Waste Description: LIGHT FUELS  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS

<a href="#">230</a>	23 of 26	W/387.5	312.4	50 WYNDHAM STREET SOUTH GUELPH ON N1H 4E1	HINC
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External File Num: FS INC 0801-00140  
Date of Occurrence:  
Fuel Occurrence Type:  
Fuel Type Involved:  
Status Desc: Completed - No Action Required  
Job Type Desc: Incident/Near-Miss Occurrence (FS)  
Oper. Type Involved:  
Service Interruptions:  
Property Damage:  
Fuel Life Cycle Stage:  
Root Cause:  
Reported Details: Guelph Fire Department HQ. Janice Fennema has completed a periodic inspection of this PFO instead of  
Fuel Category: Liquid Fuel  
Occurrence Type: Incident  
Affiliation: Emergency Services (Fire, Police,etc)  
County Name: Wellington  
Approx. Quant. Rel:  
Nearby body of water:  
Enter Drainage Syst.:  
Approx. Quant. Unit:  
Environmental Impact:

<a href="#">230</a>	24 of 26	W/387.5	312.4	GUELPH FIRE DEPARTMENT 50 WYNDHAM ST S GUELPH ON N1H 4E1	PRT
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Location ID: 25345

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Type:		retail			
Expiry Date:					
Capacity (L):		13638			
Licence #:		0001001051			
<a href="#">230</a>	25 of 26	W/387.5	312.4	<b>CITY OF GUELPH 50 WYNDHAM ST S GUELPH ON N1H 4E1</b>	<b>PRT</b>
Location ID:		25345			
Type:		private			
Expiry Date:					
Capacity (L):		9046.00			
Licence #:		0001054724			
<a href="#">230</a>	26 of 26	W/387.5	312.4	<b>50 Wyndham St. South Guelph ON N1H 4E1</b>	<b>SPL</b>
Ref No.:		7312-79YNKB			
Incident Dt:					
MOE Reported Dt:		12/17/2007			
Contaminant Name:		DIESEL FUEL			
Contaminant Quantity:		2 L			
Incident Summary:		Guelph FD: Spill of DSL to parking lot.			
Incident Cause:		Pipe Or Hose Leak			
Incident Reason:		Error- Operator error			
Nature of Impact:		Soil Contamination			
Receiving Medium:		Land			
Environmental Impact:		Not Anticipated			
<a href="#">231</a>	1 of 1	NNE/480.0	315.0	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:		6715953		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	GUELPH CITY
Easting Nad83:		562620		Northing Nad83:	4822515
Zone:		17		Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	19-SEP-06
Sec. Water Use:				Well Depth:	4.5 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	315.3			Elevation Reliability:	
Depth to Bedrock:	15			Overburden/Bedrock:	Bedrock
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:				Original Depth:	m
Material Colour:	ROCK			Material:	m
+					
Thickness:	BROWN			Original Depth:	4.2 m
Material Colour:	SAND, GRAVEL, BOULDERS			Material:	4.2 m
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:	BROWN			Original Depth:	4.5 m
Material Colour:	SAND, GRAVEL, BOULDERS			Material:	.3 m
<a href="#">232</a>	1 of 1	NE/278.2	312.0	<b>BJ'S SIGN &amp; DESIGN 200 VICTORIA RD S GUELPH ON N1E 5R1</b>	<b>SCT</b>
Established:	1985				
Plant Size (ft²):	180				
Employment:	5				
--- Details ---					
SIC/NAICS Code:	3993				
Description:	SIGNS & ADVERTISING SPECIALTIES				
<a href="#">233</a>	1 of 1	NNE/492.4	315.0	<b>Shell Canada Limited 154 Victoria Road South Guelph ON</b>	<b>GEN</b>
Generator #:	ON6901095				
Approval Yrs:	2013				
SIC Code:	447190				
SIC Description:					
--- Details ---					
Waste Code:	221				
Waste Description:	LIGHT FUELS				
<a href="#">234</a>	1 of 18	NE/194.5	310.0	<b>Huntsman Corporation Canada Inc 256 Victoria Road Guelph ON N1E5R1</b>	<b>NPRI</b>
NPRI #:	0000001436				
Year:	2004				
Longitude:	-80.2202				
Latitude:	43.5509				
--- Details ---					
Air:	.003				
Water:	0				
Land:	0				
Units:	tonnes				
Substances Released:	Maleic anhydride				
+					
Air:	7.863				
Water:					
Land:					
Units:	tonnes				
Substances Released:	Nitrous oxide				
+					
Air:					
Water:					
Land:					
Units:	tonnes				
Substances Released:	Diethanolamine (and its salts)				
+					
Air:	.034				
Water:	0				
Land:	0				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Units:		tonnes			
Substances Released:		Ethylbenzene			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Ethylene glycol			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Phenol (and its salts)			
+					
Air:		7.863			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		6722.211			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon dioxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Xylene (all isomers)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		4.7			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:		.01			
Water:		0			
Land:		0			
Units:		tonnes			
Substances Released:		Methanol			
+					
Air:		1.03			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Air:		.34299999999999997			
Water:		0			
Land:		0			
Units:		tonnes			
Substances Released:		Ethylene oxide			
+					
Air:		.33			
Water:		0			
Land:		0			
Units:		tonnes			
Substances Released:		Propylene oxide			
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:		HFC-134a Hydrofluorocarbon			
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methane			

[234](#)      2 of 18      NE/194.5      310.0      **Mayflower Properties (Guelph) Inc.**      NPRI  
**256 Victoria Road**  
**Guelph ON N1E5R1**

NPRI #: 0000001436  
Year: 2012  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Methylenebis(phenylisocyanate)

+

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Hydrochloric acid

+

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Toluene-2,4-diisocyanate

+

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Polymeric diphenylmethane diisocyanate

+

Air:  
Water:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:		Toluene-2,6-diisocyanate			

[234](#)    3 of 18    NE/194.5    310.0    **HUNTSMAN CORPORATION Guelph**    NPRI  
**256 Victoria Road South**  
**Guelph ON N1E 5R1**

NPRI #: 0000001436  
Year: 1995  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air: 1.6400000000000001

Water:

Land:

Units: tonnes

Substances Released:

+

Air:

Water:

Land:

Units: tonnes

Substances Released:

+

Air: 1.5499999999999998

Water:

Land:

Units: tonnes

Substances Released:

+

Air: .27

Water:

Land:

Units: tonnes

Substances Released:

+

Air: 2.356

Water:

Land:

Units: tonnes

Substances Released:

+

Air: .07

Water:

Land:

Units: tonnes

Substances Released:

+

Air: .1

Water:

Land:

Units: tonnes

Substances Released:

+

Air: .556

Water:

Land:

Units: tonnes

Substances Released:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">234</a>	4 of 18	NE/194.5	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road Guelph ON N1E5R1	NPRI

NPRI #: 0000001436  
Year: 2003  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air: .006  
Water:  
Land:  
Units: tonnes  
Substances Released: Maleic anhydride  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Toluene  
+  
Air: 0  
Water:  
Land:  
Units: tonnes  
Substances Released: Diethanolamine (and its salts)  
+  
Air: .19899999999999998  
Water:  
Land:  
Units: tonnes  
Substances Released: Ethylbenzene  
+  
Air: 0  
Water:  
Land:  
Units: tonnes  
Substances Released: Ethylene glycol  
+  
Air: .165  
Water:  
Land:  
Units: tonnes  
Substances Released: Phenol (and its salts)  
+  
Air: 7.877  
Water:  
Land:  
Units: tonnes  
Substances Released: Nitrogen oxides (expressed as NO2)  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: 1,4-Dioxane  
+  
Air: 1.14  
Water:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:		Xylene (all isomers)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		1.969			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:		.02			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methanol			
+					
Air:		.9129999999999999			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.33999999999999997			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Ethylene oxide			
+					
Air:		.33			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Propylene oxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nonylphenol and its ethoxylates			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Octylphenol and its ethoxylates			

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NE/194.5

310.0

MAYFLOWER PROPERTIES (GUELPH) INC.  
256 Victoria Road  
Guelph ON N1E5R1

NPRI

359

[erisinfo.com](http://erisinfo.com) | EcoLog ERIS Ltd.  
Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
NPRI #:		0000001436			
Year:		2013			
Longitude:		-80.2202			
Latitude:		43.5509			
--- Details ---					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Toluene-2,4-diisocyanate			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methylenebis(phenylisocyanate)			
+					
Air:		.001			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Acetone			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Polymeric diphenylmethane diisocyanate			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Toluene-2,6-diisocyanate			

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NE/194.5

310.0

**Mayflower Properties (Guelph) Inc.**  
**256 Victoria Road**  
**Guelph ON N1E5R1**

**NPRI**

NPRI #: 0000001436  
Year: 2011  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Methylenebis(phenylisocyanate)  
+  
Air:  
Water:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Toluene-2,4-diisocyanate			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Polymeric diphenylmethane diisocyanate			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Toluene-2,6-diisocyanate			

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NE/194.5

310.0

**HUNTSMAN CORPORATION Guelph**  
**256 Victoria Road South**  
**Guelph ON N1H 6K8**

[NPRI](#)

NPRI #: 0000001436  
Year: 1994  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air: .13  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .073000000000000001  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .13  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: 1.119  
Water:  
Land:  
Units: tonnes  
Substances Released:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
+					
Air:		20.880000000000003			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		1.153			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.321			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					

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NE/194.5

310.0

HUNTSMAN CORPORATION CANADA INC.  
256 Victoria Road South  
Guelph ON N1E 5R1

NPRI

NPRI #:  
Year:

0000001436  
1998

362

[erisinfo.com](http://erisinfo.com) | EcoLog ERIS Ltd.  
Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Longitude:		-80.2202			
Latitude:		43.5509			
--- Details ---					
Air:		.1			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.6			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.2			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.5			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.03			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		1.3			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		2.4			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Substances Released:</i>					
+					
<i>Air:</i>		1.5999999999999999			
<i>Water:</i>					
<i>Land:</i>					
<i>Units:</i>		tonnes			
<i>Substances Released:</i>					

<a href="#">234</a>	9 of 18	NE/194.5	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
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NPRI #: 0000001436  
Year: 1997  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

*Air:* .09  
*Water:*  
*Land:*  
*Units:* tonnes  
*Substances Released:*

+

*Air:*  
*Water:*  
*Land:*  
*Units:* tonnes  
*Substances Released:*

+

*Air:*  
*Water:*  
*Land:*  
*Units:* tonnes  
*Substances Released:*

+

*Air:* .6  
*Water:*  
*Land:*  
*Units:* tonnes  
*Substances Released:*

+

*Air:*  
*Water:*  
*Land:*  
*Units:* tonnes  
*Substances Released:*

+

*Air:* .38  
*Water:*  
*Land:*  
*Units:* tonnes  
*Substances Released:*

+

*Air:* .6  
*Water:*  
*Land:*  
*Units:* tonnes  
*Substances Released:*

+

*Air:* .2

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:			2.3000000000000003		
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:			2.4		
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:					

<a href="#">234</a>	10 of 18	NE/194.5	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	<a href="#">NPRI</a>
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NPRI #: 0000001436  
Year: 1999  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .03  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Substances Released:					
+					
Air:		.17			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.1			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.53			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		1.8			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.45			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.31			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.03			
Water:					
Land:					
Units:		tonnes			
Substances Released:					

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NE/194.5

310.0

**HUNTSMAN CORPORATION CANADA INC.**  
256 Victoria Road South  
Guelph ON N1E 5R1

**NPRI**

NPRI #:

0000001436

366

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Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Year:		2002			
Longitude:		-80.2202			
Latitude:		43.5509			
--- Details ---					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Maleic anhydride			
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Diethanolamine (and its salts)			
+					
Air:		.29800000000000004			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Ethylbenzene			
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Ethylene glycol			
+					
Air:		.512			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Toluene			
+					
Air:		.056			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Phenol (and its salts)			
+					
Air:		8.392			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.388			
Water:					
Land:					
Units:		tonnes			
Substances Released:		1,4-Dioxane			
+					
Air:		1.416			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Xylene (mixed isomers)			
+					
Air:					
Water:					
Land:					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		2.098			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:		.02			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methanol			
+					
Air:		.951			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:		.346			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Ethylene oxide			
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nonylphenol polyethylene glycol ether			
+					
Air:		.33			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Propylene oxide			
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nonylphenol, industrial			
+					
Air:					
Water:					
Land:					
Units:		kg			
Substances Released:		Mercury (and its compounds)			

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NE/194.5

310.0

HUNTSMAN CORPORATION CANADA INC.  
256 Victoria Road South  
Guelph ON N1E 5R1

[NPRI](#)

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
NPRI #:		0000001436			
Year:		2001			
Longitude:		-80.2202			
Latitude:		43.5509			
--- Details ---					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.31			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.255			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.023			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.33			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.016			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		0			
Water:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		1.479			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.34199999999999997			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		0			
Water:					
Land:					
Units:		tonnes			
Substances Released:					
+					
Air:		.087000000000000001			
Water:					
Land:					
Units:		tonnes			
Substances Released:					

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NE/194.5

310.0

Huntsman Corporation Canada Inc  
256 Victoria Road  
Guelph ON N1E5R1

NPRI

NPRI #: 0000001436  
Year: 2005  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Maleic anhydride  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Ethylbenzene  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Ethylene glycol

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Diethanolamine (and its salts)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Phenol (and its salts)			
+					
Air:		4			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Xylene (all isomers)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphuric acid			
+					
Air:		.57			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methanol			
+					
Air:		.627			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Ethylene oxide			
+					
Air:					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water:					
Land:					
Units:		tonnes			
Substances Released:		Propylene oxide			

**234**      **14 of 18**      **NE/194.5**      **310.0**      **HUNTSMAN CORPORATION CANADA INC.**      **NPRI**  
**256 Victoria Road South**  
**Guelph ON N1E 5R1**

NPRI #: 0000001436  
Year: 2000  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air: 1.56  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .146  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .30000000000000004  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .027  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air:  
Water:  
Land:  
Units: tonnes

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Substances Released:</i>					
+					
Air:		.1			
Water:					
Land:					
Units:		tonnes			
<i>Substances Released:</i>					
+					
Air:		.33699999999999997			
Water:					
Land:					
Units:		tonnes			
<i>Substances Released:</i>					
+					
Air:					
Water:					
Land:					
Units:		tonnes			
<i>Substances Released:</i>					
+					
Air:		.33			
Water:					
Land:					
Units:		tonnes			
<i>Substances Released:</i>					
+					
Air:		.02			
Water:					
Land:					
Units:		tonnes			
<i>Substances Released:</i>					
+					
Air:		.42600000000000005			
Water:					
Land:					
Units:		tonnes			
<i>Substances Released:</i>					

[234](#)    15 of 18    NE/194.5    310.0    **Mayflower Properties (Guelph) Inc.**    **NPRI**  
**256 Victoria Road**  
**Guelph ON N1E5R1**

NPRI #: 0000001436  
Year: 2009  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Toluene  
+  
Air:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water:					
Land:					
Units:		tonnes			
Substances Released:		n-Hexane			
+					
Air:		.468			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Hydrochloric acid			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Formaldehyde			
+					
Air:		.393			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:		.003			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Benzene			

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NE/194.5

310.0

Guelph Chemical Plant

NPRI

Guelph ON

NPRI #: 0000001436  
 Year: 1993  
 Longitude: -80.2202  
 Latitude: 43.5509

--- Details ---

Air: .13  
 Water: 0  
 Land: 0  
 Units: tonnes  
 Substances Released:  
 +  
 Air: 0  
 Water: 0  
 Land: 0  
 Units: tonnes

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

Substances Released:

+  
 Air: 0  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: 0  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: 0  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: 0  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: 3.953  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: 13.493  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: .13  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: 0  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: .161  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+  
 Air: 1.152  
 Water: 0  
 Land: 0  
 Units: tonnes

Substances Released:

+

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Air:		37.369			
Water:		0			
Land:		0			
Units:		tonnes			
Substances Released:					
+					
Air:		.13			
Water:		0			
Land:		0			
Units:		tonnes			
Substances Released:					

<a href="#">234</a>	17 of 18	NE/194.5	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
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NPRI #: 0000001436  
Year: 1996  
Longitude: -80.2202  
Latitude: 43.5509

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: 2.356  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: 2.28  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .07  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: 1.387  
Water:  
Land:  
Units: tonnes  
Substances Released:  
+  
Air: .542  
Water:  
Land:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>Units:</i> tonnes <i>Substances Released:</i> + <i>Air:</i> .07 <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i> + <i>Air:</i> .556 <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i>					
<a href="#">234</a>	18 of 18	NE/194.5	310.0	<b>Mayflower Properties (Guelph) Inc.</b> <b>256 Victoria Road</b> <b>Guelph ON N1E5R1</b>	<b>NPRI</b>
<i>NPRI #:</i> 0000001436 <i>Year:</i> 2010 <i>Longitude:</i> -80.2202 <i>Latitude:</i> 43.5509  --- Details --- <i>Air:</i> <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i> Diethanolamine (and its salts) + <i>Air:</i> <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i> Methylenebis(phenylisocyanate) + <i>Air:</i> <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i> Toluene + <i>Air:</i> <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i> n-Hexane + <i>Air:</i> .44 <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i> Nitrogen oxides (expressed as NO2) + <i>Air:</i> <i>Water:</i> <i>Land:</i> <i>Units:</i> tonnes <i>Substances Released:</i> Hydrochloric acid +					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Formaldehyde			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Toluene-2,4-diisocyanate			
+					
Air:		.37			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methyl ethyl ketone			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Polymeric diphenylmethane diisocyanate			
+					
Air:		.0026			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Benzene			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Toluene-2,6-diisocyanate			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Phosphorus (total)			

[235](#)    1 of 2    WSW/185.9    309.9    GUELPH, CORP. OF THE CITY OF    18-278    GEN  
 RECYCLING DROP-OFF, 112 GORDON ST.  
 C/O CITY HALL, 59 GARDEN STREET,  
 GUELPH, ON N1H 4H6

Generator #: ON0349004

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[erisinfo.com](http://erisinfo.com) | EcoLog ERIS Ltd.  
 Guelph Paisley Phase 2 PTTW    York Rd Guelph ON

Order #: 20150514049

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Approval Yrs:		94,95,96			
SIC Code:		8373			
SIC Description:		ENVIRON. ADMIN.			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">235</a>	2 of 2	WSW/185.9	309.9	<b>GUELPH, CORP. OF THE CITY OF RECYCLING DROP-OFF, 112 GORDON ST. C/O CITY HALL, 59 GARDEN STREET, GUELPH, ON N1H 4H6</b>	<b>GEN</b>
Generator #:		ON0349004			
Approval Yrs:		86,87,88,89,90			
SIC Code:		0000			
SIC Description:		*** NOT DEFINED ***			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">236</a>	1 of 11	NNE/497.6	315.0	<b>154 Victoria Road South Guelph ON N1E 5P6</b>	<b>EHS</b>
Order No.:		20120206008			
Report Date:		2/14/2012 9:50:24 AM			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:		Aerial Photos			
<a href="#">236</a>	2 of 11	NNE/497.6	315.0	<b>154 Victoria Road South Guelph ON N1E 5P6</b>	<b>EHS</b>
Order No.:		20120320024			
Report Date:		3/29/2012			
Report Type:		Custom Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">236</a>	3 of 11	NNE/497.6	315.0	<b>SHELL CANADA PRODUCTS** 154 VICTORIA RD S GUELPH ON N1E 5P6</b>	<b>EXP</b>
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		9598590			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:					
<a href="#">236</a>	4 of 11	NNE/497.6	315.0	<b>DOUG POLLOCK FUELS LTD 154 VICTORIA RD S GUELPH ON</b>	<b>EXP</b>



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Instance ID:		19508			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10455664			
Instance Type:		FS Highway Tank - Gas/Diesel			
Status:		EXPIRED			
Description:		FS HIGHWAY TANK - GASOLINE/DIESEL			
<a href="#">236</a>	5 of 11	NNE/497.6	315.0	DOUG POLLOCK FUELS LTD 154 VICTORIA RD S GUELPH ON	EXP
Instance ID:		18531			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10455667			
Instance Type:		FS Highway Tank - Gas/Diesel			
Status:		EXPIRED			
Description:		FS HIGHWAY TANK - GASOLINE/DIESEL			
<a href="#">236</a>	6 of 11	NNE/497.6	315.0	SHELL CANADA PRODUCTS 154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	GEN
Generator #:		ON3473535			
Approval Yrs:		2009			
SIC Code:		447190			
SIC Description:		Other Gasoline Stations			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">236</a>	7 of 11	NNE/497.6	315.0	SHELL CANADA PRODUCTS 154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	GEN
Generator #:		ON3473535			
Approval Yrs:		2010			
SIC Code:		447190			
SIC Description:		Other Gasoline Stations			
--- Details ---					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
<a href="#">236</a>	8 of 11	NNE/497.6	315.0	SHELL CANADA PRODUCTS 154 VICTORIA ROAD SOUTH GUELPH ON N1E 5P6	GEN
Generator #:		ON3473535			
Approval Yrs:		03,04,05,06,07,08			
SIC Code:					
SIC Description:					
--- Details ---					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code: Waste Description:		221 LIGHT FUELS			
<a href="#">236</a>	9 of 11	NNE/497.6	315.0	SHELL CANADA PRODUCTS LTD ATTN JIM ARCH 154 VICTORIA RD GUELPH ON	PRT
Location ID: Type: Expiry Date: Capacity (L): Licence #:		5653 retail 1994-12-31 411419 0030035009			
<a href="#">236</a>	10 of 11	NNE/497.6	315.0	GRANGER FUELS LTD 154 VICTORIA S GUELPH ON	RST
Facility: Description:		Oils-Fuel			
<a href="#">236</a>	11 of 11	NNE/497.6	315.0	SHELL CANADA PRODUCTS LTD. 154 VICTORIA RD. SOUTH TANK TRUCK (CARGO) GUELPH CITY ON N1E 5P6	SPL
Ref No.: Incident Dt: MOE Reported Dt: Contaminant Name: Contaminant Quantity: Incident Summary: Incident Cause: Incident Reason: Nature of Impact: Receiving Medium: Environmental Impact:		10180 9/9/1988 10/5/1988  SHELL - 150 LITRES GASOLINE TO GRAVEL. CONTAINER OVERFLOW ERROR LAND			
<a href="#">237</a>	1 of 1	W/323.1	311.8	KENTUCKY FRIED CHICKEN SPEED RIVER, DRIVEWAY AT KFC, ON WELLINGTON STREET, GUELPH RESTAURANT GUELPH CITY ON	SPL
Ref No.: Incident Dt: MOE Reported Dt: Contaminant Name: Contaminant Quantity: Incident Summary: Incident Cause: Incident Reason: Nature of Impact: Receiving Medium: Environmental Impact:		200926 5/15/2001 5/17/2001  KFC: SPILL OF 20 L OF GREASE WASHED DOWN CATCH BASIN - SPEED RIVER-WORKS OTHER CONTAINER LEAK NEGLIGENCE (APPARENT) Water course or lake Water Possible			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">238</a>	1 of 8	W/449.5	314.3	<b>PRUSS AUTO BODY LIMITED 97 SURREY STREET EAST GUELPH ON</b>	<b>GEN</b>
Generator #:		ON2093600			
Approval Yrs:		2013			
SIC Code:		811121			
SIC Description:		AUTOMOTIVE BODY, PAINT AND INTERIOR REPAIR AND MAINTENANCE			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
<a href="#">238</a>	2 of 8	W/449.5	314.3	<b>PRUSS AUTO BODY LTD. 97 SURREY STREET EAST GUELPH ON N1H 3P7</b>	<b>GEN</b>
Generator #:		ON2093600			
Approval Yrs:		95,96,97,98,99,00,01			
SIC Code:		6351			
SIC Description:		GARAGES(GEN. REPAIR)			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
<a href="#">238</a>	3 of 8	W/449.5	314.3	<b>PRUSS AUTO BODY LIMITED 97 SURREY STREET EAST GUELPH ON N1H 3P7</b>	<b>GEN</b>
Generator #:		ON2093600			
Approval Yrs:		2010			
SIC Code:		811121			
SIC Description:		Automotive Body Paint and Interior Repair and Maintenance			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
<a href="#">238</a>	4 of 8	W/449.5	314.3	<b>PRUSS AUTO BODY LIMITED 97 SURREY STREET EAST GUELPH ON N1H 3P7</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Generator #: ON2093600  Approval Yrs: 2012  SIC Code: 811121  SIC Description: Automotive Body Paint and Interior Repair and Maintenance</p> <p>--- Details ---  Waste Code: 145  Waste Description: PAINT/PIGMENT/COATING RESIDUES  +  Waste Code: 211  Waste Description: AROMATIC SOLVENTS  +  Waste Code: 252  Waste Description: WASTE OILS &amp; LUBRICANTS</p>					
<a href="#">238</a>	5 of 8	W/449.5	314.3	<b>PRUSS AUTO BODY LIMITED 97 SURREY STREET EAST GUELPH ON N1H 3P7</b>	GEN
<p>Generator #: ON2093600  Approval Yrs: As of April 2014  SIC Code:  SIC Description:</p> <p>--- Details ---  Waste Code: 211  Waste Description: Aromatic solvents and residues  +  Waste Code: 252  Waste Description: Waste crankcase oils and lubricants  +  Waste Code: 145  Waste Description: Wastes from the use of pigments, coatings and paints</p>					
<a href="#">238</a>	6 of 8	W/449.5	314.3	<b>PRUSS AUTO BODY LIMITED 97 SURREY STREET EAST GUELPH ON N1H 3P7</b>	GEN
<p>Generator #: ON2093600  Approval Yrs: 2009  SIC Code: 811121  SIC Description: Automotive Body Paint and Interior Repair and Maintenance</p> <p>--- Details ---  Waste Code: 145  Waste Description: PAINT/PIGMENT/COATING RESIDUES  +  Waste Code: 211  Waste Description: AROMATIC SOLVENTS  +  Waste Code: 252  Waste Description: WASTE OILS &amp; LUBRICANTS</p>					
<a href="#">238</a>	7 of 8	W/449.5	314.3	<b>PRUSS AUTO BODY LIMITED 97 SURREY STREET EAST GUELPH ON N1H 3P7</b>	GEN
<p>Generator #: ON2093600  Approval Yrs: 2011  SIC Code: 811121</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>SIC Description:</i>		Automotive Body Paint and Interior Repair and Maintenance			
--- Details ---					
<i>Waste Code:</i>		145			
<i>Waste Description:</i>		PAINT/PIGMENT/COATING RESIDUES			
+					
<i>Waste Code:</i>		211			
<i>Waste Description:</i>		AROMATIC SOLVENTS			
+					
<i>Waste Code:</i>		252			
<i>Waste Description:</i>		WASTE OILS & LUBRICANTS			
<b><u>238</u></b>	<b>8 of 8</b>	<b>W/449.5</b>	<b>314.3</b>	<b>PRUSS AUTO BODY LIMITED 97 SURREY STREET EAST GUELPH ON N1H 3P7</b>	<b>GEN</b>
<i>Generator #:</i>		ON2093600			
<i>Approval Yrs:</i>		02,03,04,05,06,07,08			
<i>SIC Code:</i>					
<i>SIC Description:</i>		Automotive Body Paint and Interior Repair and Maintenance			
--- Details ---					
<i>Waste Code:</i>		252			
<i>Waste Description:</i>		WASTE OILS & LUBRICANTS			
+					
<i>Waste Code:</i>		145			
<i>Waste Description:</i>		PAINT/PIGMENT/COATING RESIDUES			
+					
<i>Waste Code:</i>		211			
<i>Waste Description:</i>		AROMATIC SOLVENTS			
<b><u>239</u></b>	<b>1 of 1</b>	<b>NNE/469.7</b>	<b>315.0</b>	<b>Guelph ON</b>	<b>WWIS</b>
<i>Well ID:</i>	7108866			<i>Lot:</i>	
<i>Concession:</i>				<i>Concession Name:</i>	
<i>County:</i>	WELLINGTON			<i>Municipality:</i>	GUELPH CITY
<i>Easting Nad83:</i>	562652			<i>Northing Nad83:</i>	4822518
<i>Zone:</i>	17			<i>Utm Reliability:</i>	margin of error : 10 - 30 m
<i>Primary Water Use:</i>	Monitoring			<i>Construction Date:</i>	18-MAR-08
<i>Sec. Water Use:</i>				<i>Well Depth:</i>	7.5 m
<i>Pump Rate:</i>				<i>Static Water Level:</i>	3.9 m
<i>Flow Rate:</i>				<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>				<i>Final Well Status:</i>	Test Hole
<i>Construction Method:</i>	Boring			<i>Flowing (y/n):</i>	
<i>Elevation (m):</i>	315.3			<i>Elevation Reliability:</i>	
<i>Depth to Bedrock:</i>				<i>Overburden/Bedrock:</i>	
<i>Water Type:</i>	Not stated			<i>Casing Material:</i>	Not stated
--- Details ---					
<i>Thickness:</i>	BROWN			<i>Original Depth:</i>	.3 m
<i>Material Colour:</i>	TOPSOIL			<i>Material:</i>	.3 m
+					
<i>Thickness:</i>	BROWN			<i>Original Depth:</i>	2.7 m
<i>Material Colour:</i>	SAND, GRAVEL			<i>Material:</i>	2.4 m
+					
<i>Thickness:</i>	GREY			<i>Original Depth:</i>	7.5 m
<i>Material Colour:</i>	LIMESTONE, , WEATHERED			<i>Material:</i>	4.8 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">240</a>	1 of 1	NNE/360.0	313.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7189361			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH TOWNSHIP
Easting Nad83:	562776			Northing Nad83:	4822458
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	12-MAY-12
Sec. Water Use:				Well Depth:	30 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Diamond			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	GREY			Original Depth:	14 ft
Material Colour:	FILL, SAND, HARD			Material:	14 ft
+					
Thickness:	GREY			Original Depth:	30 ft
Material Colour:	LIMESTONE, SHALE, HARD			Material:	16 ft
<a href="#">241</a>	1 of 4	W/350.0	312.0	<b>SUNCOR ENERGY PRODUCTS PARTNERSHIP 58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8</b>	<b>FST</b>
Instance Number:	11181119				
Cont Name:					
Instance Type:	FS Liquid Fuel Tank				
Fuel Type:	Gasoline				
Status:	Active				
Capacity:	36700				
Tank Material:	Fiberglass (FRP)				
Corrosion Protection:	Fiberglass				
Tank Type:	Single Wall UST				
Install Year:	1982				
Parent Facility Type:	FS Gasoline Station - Self Serve				
Facility Type:	FS Liquid Fuel Tank				
<a href="#">241</a>	2 of 4	W/350.0	312.0	<b>SUNCOR ENERGY PRODUCTS PARTNERSHIP 58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8</b>	<b>FST</b>
Instance Number:	10771413				
Cont Name:					
Instance Type:	FS Liquid Fuel Tank				
Fuel Type:	Gasoline				
Status:	Active				
Capacity:	36700				
Tank Material:	Fiberglass (FRP)				
Corrosion Protection:	Fiberglass				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Tank Type: Single Wall UST Install Year: 1982 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					
<a href="#">241</a>	3 of 4	W/350.0	312.0	<b>SUNCOR ENERGY PRODUCTS PARTNERSHIP 58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8</b>	<b>FST</b>
Instance Number: 11181094 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 27252 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1982 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					
<a href="#">241</a>	4 of 4	W/350.0	312.0	<b>SUNCOR ENERGY PRODUCTS PARTNERSHIP 58 WELLINGTON ST EAT WYNDHAM GUELPH ON N1H 3R8</b>	<b>FST</b>
Instance Number: 11181140 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 36700 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1982 Parent Facility Type: FS Gasoline Station - Self Serve Facility Type: FS Liquid Fuel Tank					
<a href="#">242</a>	1 of 1	NE/286.4	312.0	<b>240 Victoria Rd S Guelph ON</b>	<b>EHS</b>
Order No.: 20131120021 Report Date: 28-NOV-13 Report Type: Custom Report Search Radius (km): .25 Addit. Info Ordered:					
<a href="#">243</a>	1 of 2	W/418.0	314.0	<b>FLEWELLING GARAGE LTD 67 SURREY ST E GUELPH ON N1H 3P7</b>	<b>FST</b>
Instance Number: 64557978					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Cont Name:  Instance Type: FS Liquid Fuel Tank  Fuel Type: Gasoline  Status: Active  Capacity: 100000  Tank Material:  Corrosion Protection:  Tank Type: Double Wall UST  Install Year: 2013  Parent Facility Type: FS Gasoline Station - Full Serve  Facility Type: FS Liquid Fuel Tank</p>					
<a href="#">243</a>	2 of 2	W/418.0	314.0	<b>NORM'S ESSO SERVICE 67 SURREY ST E GUELPH ON N1H3P7</b>	<b>RST</b>
<p>Facility: SERVICE STATIONS GASOLINE OIL &amp; NATURAL  Description:</p>					
<a href="#">244</a>	1 of 1	NNE/481.7	315.0	<b>Guelph ON</b>	<b>WWIS</b>
<p>Well ID: 7147890  Concession:  County: WELLINGTON  Easting Nad83: 562644  Zone: 17  Primary Water Use: Monitoring  Sec. Water Use:  Pump Rate:  Flow Rate:  Specific Capacity:  Construction Method: Boring  Elevation (m): 315.12  Depth to Bedrock:  Water Type: FRESH</p>					
<p>Lot:  Concession Name:  Municipality: GUELPH CITY  Northing Nad83: 4822530  Utm Reliability: margin of error : 30 m - 100 m  Construction Date: 19-MAY-10  Well Depth: 3.9 m  Static Water Level:  Clear/Cloudy:  Final Well Status: Observation Wells  Flowing (y/n):  Elevation Reliability:  Overburden/Bedrock:  Casing Material: Not stated</p>					
<p>--- Details ---</p>					
<p>Thickness: BROWN  Material Colour: TOPSOIL, , LOOSE  +  Thickness: BROWN  Material Colour: SAND, GRAVEL, HARD</p>					
<a href="#">245</a>	1 of 10	W/424.3	314.0	<b>FLEWELLING GARAGE LTD 67 SURREY ST E Guelph ON N1H 3P7</b>	<b>EBR</b>
<p>Year: 2012  EBR Registry No.: 011-7730  Ministry Ref. No.: SR 788794  Type: Instrument Proposal  Instrument Type: (Liquid Fuels Handling Code) - Liquid Fuels Handling Code Section  Proposal Date: December 05, 2012  Location: 67 SURREY ST E; GUELPH; CA; ON; N1H 3P7 CITY OF GUELPH  Proponent Address: 67 Surry Street East Guelph Ontario Canada N1H 3P7</p>					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">245</a>	2 of 10	W/424.3	314.0	FLEWELLING GARAGE LTD 67 SURREY ST E GUELPH ON N1H 3P7	FST
<p>Instance Number: 63302416  Cont Name:  Instance Type: FS Liquid Fuel Tank  Fuel Type: Gasoline  Status: Active  Capacity: 25000  Tank Material: Steel  Corrosion Protection: Sacrificial anode  Tank Type: Liquid Fuel Single Wall UST  Install Year: 1988  Parent Facility Type: FS GASOLINE STATION - FULL SERVE  Facility Type:</p>					
<a href="#">245</a>	3 of 10	W/424.3	314.0	FLEWELLING GARAGE LTD 67 SURREY ST E GUELPH ON N1H 3P7	FST
<p>Instance Number: 63302418  Cont Name:  Instance Type: FS Liquid Fuel Tank  Fuel Type: Gasoline  Status: Active  Capacity: 45000  Tank Material: Steel  Corrosion Protection: Sacrificial anode  Tank Type: Liquid Fuel Single Wall UST  Install Year: 1988  Parent Facility Type: FS GASOLINE STATION - FULL SERVE  Facility Type:</p>					
<a href="#">245</a>	4 of 10	W/424.3	314.0	FLEWELLING GARAGE LTD 67 SURREY ST E GUELPH ON N1H 3P7	FST
<p>Instance Number: 63302415  Cont Name:  Instance Type: FS Liquid Fuel Tank  Fuel Type: Gasoline  Status: Active  Capacity: 15000  Tank Material: Steel  Corrosion Protection:  Tank Type: Liquid Fuel Single Wall UST  Install Year: 1988  Parent Facility Type: FS GASOLINE STATION - FULL SERVE  Facility Type:</p>					
<a href="#">245</a>	5 of 10	W/424.3	314.0	FLEWELLING GARAGE LTD 67 SURREY ST E GUELPH ON N1H 3P7	FST

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Instance Number:		63302417			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Diesel			
Status:		Active			
Capacity:		15000			
Tank Material:		Steel			
Corrosion Protection:		Sacrificial anode			
Tank Type:		Liquid Fuel Single Wall UST			
Install Year:		1988			
Parent Facility Type:		FS GASOLINE STATION - FULL SERVE			
Facility Type:					

<a href="#">245</a>	6 of 10	W/424.3	314.0	67 SURREY STREET EAST GUELPH ON N1H 3P7	HINC
External File Num:		FS INC 0711-07221			
Date of Occurrence:					
Fuel Occurrence Type:					
Fuel Type Involved:					
Status Desc:		Completed - No Action Required			
Job Type Desc:		Incident/Near-Miss Occurrence (FS)			
Oper. Type Involved:					
Service Interruptions:					
Property Damage:					
Fuel Life Cycle Stage:					
Root Cause:					
Reported Details:		10 L leak on faulty ATI valve gasket in tanker truck during delivery. Non-mandated as per Janice Fen			
Fuel Category:		Liquid Fuel			
Occurrence Type:		Incident			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
County Name:		Wellington			
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					

<a href="#">245</a>	7 of 10	W/424.3	314.0	NORM FLEWELLING LTD NORMS ESSO 67 SURREY ST E GUELPH ON N1H3P7	PRT
Location ID:		18587			
Type:		retail			
Expiry Date:		1995-09-30			
Capacity (L):		0			
Licence #:		0060424001			

<a href="#">245</a>	8 of 10	W/424.3	314.0	NORM'S ESSO SERVICE 67 SURREY ST E GUELPH ON N1H 3P7	RST
Facility:		SERVICE STATIONS-GASOLINE, OIL & NATURAL GAS			
Description:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">245</a>	9 of 10	W/424.3	314.0	RST Transport<UNOFFICIAL> 67 Surrey St Guelph ON	SPL
Ref No.:		0081-78ZHMN			
Incident Dt:					
MOE Reported Dt:		11/16/2007			
Contaminant Name:		GASOLINE			
Contaminant Quantity:		10 L			
Incident Summary:		RST Trans: <10L Gasoline to ESSO Retail Lot			
Incident Cause:		Valve / Fitting Leak Or Failure			
Incident Reason:		Gasket/Joint Failure - Any point of connection (Except Weld/Seam)			
Nature of Impact:		Human Health/Safety			
Receiving Medium:		Land			
Environmental Impact:		Not Anticipated			
<a href="#">245</a>	10 of 10	W/424.3	314.0	ESSO PETROLEUM CANADA 67 SURREY ST. E SERVICE STATION GUELPH CITY ON N1H 3P7	SPL
Ref No.:		95348			
Incident Dt:		1/15/1994			
MOE Reported Dt:		1/15/1994			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		NORMS ESSO - 50 L OF GASOLINE TO GROUND WHILE FILLING TANKS			
Incident Cause:		ABOVE-GROUND TANK LEAK			
Incident Reason:		EQUIPMENT FAILURE			
Nature of Impact:					
Receiving Medium:		LAND			
Environmental Impact:		NOT ANTICIPATED			
<a href="#">246</a>	1 of 1	NE/205.8	308.4	ON	WWIS
Well ID:		6711400		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		563054.3		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Industrial		4822251	
Sec. Water Use:				Utm Reliability:	
Pump Rate:		10 GPM		margin of error : 10 - 30 m	
Flow Rate:				Construction Date:	
Specific Capacity:				23-SEP-93	
Construction Method:		Rotary (Air)		Well Depth:	
Elevation (m):		308.36		23 ft	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
				Final Well Status:	
				Observation Wells	
				Flowing (y/n):	
				N	
				Elevation Reliability:	
				Overburden/Bedrock:	
				Overburden	
				Casing Material:	
--- Details ---					
Thickness:		BLACK		Original Depth:	
Material Colour:		SAND, FILL, STONES		5 ft	
+				Material:	
Thickness:		BROWN		3 ft	
Material Colour:		COARSE SAND, STONES		Original Depth:	
				9 ft	
				Material:	
				4 ft	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	BROWN			Original Depth:	20 ft
Material Colour:	COARSE SAND, BOULDERS, STONES			Material:	11 ft
+					
Thickness:	GREY			Original Depth:	23 ft
Material Colour:	TILL, SILTY, STONES			Material:	3 ft
+					
Thickness:	BLACK			Original Depth:	2 ft
Material Colour:	GRAVEL, SAND, STONES			Material:	2 ft
<a href="#">247</a>	1 of 2	W/308.7	312.0	<b>ABERFOYLE COUNTRY YOGURT INC. 34 WELLINGTON ST E GUELPH ON N1H 3R8</b>	<b>SCT</b>
Established:	1988				
Plant Size (ft²):	2000				
Employment:	1				
--- Details ---					
SIC/NAICS Code:	3556				
Description:	FOOD PRODUCTS MACHINERY				
<a href="#">247</a>	2 of 2	W/308.7	312.0	<b>Millcreek Modular Homes 34 Wellington Rd E Aberfoyle ON N1H 3R8</b>	<b>SCT</b>
Established:	1997				
Plant Size (ft²):					
Employment:	9				
<a href="#">248</a>	1 of 3	W/305.6	312.0	<b>Hazco Environmental Services 7602 Wellington Road #34 Guelph ON N1H 6H9</b>	<b>GEN</b>
Generator #:	ON3239733				
Approval Yrs:	2010				
SIC Code:	562910				
SIC Description:	Remediation Services				
--- Details ---					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				
<a href="#">248</a>	2 of 3	W/305.6	312.0	<b>Tervita Corporation 7602 Wellington Road #34 Guelph ON N1H 6H9</b>	<b>GEN</b>
Generator #:	ON3239733				
Approval Yrs:	2011				
SIC Code:	562910				
SIC Description:	Remediation Services				
--- Details ---					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">248</a>	3 of 3	W/305.6	312.0	<b>Tervita Corporation 7602 Wellington Road #34 Guelph ON N1H 6H9</b>	<b>GEN</b>
Generator #:		ON3239733			
Approval Yrs:		2012			
SIC Code:		562910			
SIC Description:		Remediation Services			
--- Details ---					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">249</a>	1 of 2	W/307.3	312.0	<b>Daly's Wood Products Ltd. 5066 Wellington Rd 32 RR 7 Guelph ON N1H 6J4</b>	<b>SCT</b>
Established:		1984			
Plant Size (ft²):		3200			
Employment:					
--- Details ---					
SIC/NAICS Code:		337121			
Description:		Upholstered Household Furniture Manufacturing			
+					
SIC/NAICS Code:		337123			
Description:		Other Wood Household Furniture Manufacturing			
<a href="#">249</a>	2 of 2	W/307.3	312.0	<b>HAYES CUSTOM WOODWORKING 32 WELLINGTON ST W GUELPH ON N1H</b>	<b>SCT</b>
Established:		1993			
Plant Size (ft²):		0			
Employment:		2			
--- Details ---					
SIC/NAICS Code:		2521			
Description:		WOOD OFFICE FURNITURE			
<a href="#">250</a>	1 of 5	WSW/254.0	310.0	<b>Institute of Ichthyology Building No. 92, Gordon Street Guelph ON N1H 4H6</b>	<b>CA</b>
Certificate #:		3121-5C4N37			
Application Year:		02			
Issue Date:		7/21/02			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		New Certificate of Approval			
Client Name:		University of Guelph			
Client Address:		Ichthyology Building #92			
Client City:		Guelph			
Client Postal Code:		N1G 2W1			
Project Description:		The Institute of Ichthyology at The University of Guelph, an Academic Institution, seek a Certificate of Approval (Air) for the installation of Laboratory Fume Hoods for Building Nos. 117 and 12.			
Contaminants:					
Emission Control:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">250</a>	2 of 5	WSW/254.0	310.0	<b>PARKERS CLEANERS(OUT OF BUS.) 92 GORDON ST GUELPH ON N1H 4H6</b>	30-035 <b>GEN</b>
Generator #:		ON0208912			
Approval Yrs:		92,93,94,95,96,97			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">250</a>	3 of 5	WSW/254.0	310.0	<b>PARKERS CLEANERS(OUT OF BUS.) 92 GORDON ST GUELPH ON N1H 4H6</b>	<b>GEN</b>
Generator #:		ON0208912			
Approval Yrs:		88,89,90			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">250</a>	4 of 5	WSW/254.0	310.0	<b>PARKERS CLEANERS(OUT OF BUSINESS) 92 GORDON STREET GUELPH ON N1H 4H6</b>	<b>GEN</b>
Generator #:		ON0208912			
Approval Yrs:		98			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANERS			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">250</a>	5 of 5	WSW/254.0	310.0	<b>PARKERS CLEANERS 92 GORDON ST GUELPH ON N1H 4H6</b>	<b>GEN</b>
Generator #:		ON0208912			
Approval Yrs:		86,87			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANERS			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">251</a>	1 of 2	W/306.5	312.0	<b>AMEC Earth and Environmental 28 Wellington Street East Guelph ON N1H 3R8</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON2598797			
Approval Yrs:		07,08			
SIC Code:		541620			
SIC Description:		Environmental Consulting Services			
--- Details ---					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
<a href="#">251</a>	2 of 2	W/306.5	312.0	<b>TDL Group Ltd 28 Wellington Street East City of Guelph ON N1H 3R8</b>	ORD
Year:		2002			
EBR Registry No.:		IA02E1387			
Ministry Ref. No.:					
Type:		Instrument			
Instrument Type:		EPA s. 18 - Order for preventative measures.			
Proposal Date:		11/7/02			
Location:		28 Wellington Street East, Guelph, Ontario City of Guelph			
Proponent Address:		TDL Group Ltd 874 Sinclair Ave, Oakville, 874 Sinclair Ave, Oakville, Ontario, L6K 2Y1			
<a href="#">252</a>	1 of 1	NNE/370.3	313.0	<b>GUELPH ON</b>	WWIS
Well ID:		6714838		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		562815		Northing Nad83:	
Zone:		17		Utm Reliability:	
Primary Water Use:				Construction Date:	
Sec. Water Use:				Well Depth:	
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	
Construction Method:		Boring		Flowing (y/n):	
Elevation (m):		313.87		Elevation Reliability:	
Depth to Bedrock:		0		Overburden/Bedrock:	
Water Type:		FRESH		Casing Material:	
--- Details ---					
Thickness:		BROWN		Original Depth:	
Material Colour:		SAND, GRAVEL, ROCK		Material:	
+					
Thickness:		BROWN		Original Depth:	
Material Colour:		CLAY, SILT		Material:	
<a href="#">253</a>	1 of 1	W/313.8	312.0	<b>Guelph ON</b>	WWIS
Well ID:		7145091		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561046		Northing Nad83:	
Zone:		17		Utm Reliability:	
Primary Water Use:		Monitoring		Construction Date:	
Sec. Water Use:				Well Depth:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Pump Rate: Flow Rate: Specific Capacity: Construction Method: Boring Elevation (m): 312.58 Depth to Bedrock: Water Type: FRESH				Static Water Level: 1.5 m Clear/Cloudy: Final Well Status: Observation Wells Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material: Not stated	
--- Details ---					
Thickness: BROWN				Original Depth: .6 m	
Material Colour: SAND, GRAVEL, LOOSE				Material: .6 m	
+					
Thickness: BROWN				Original Depth: 1.2 m	
Material Colour: SAND, GRAVEL, LOOSE				Material: .6 m	
+					
Thickness: BROWN				Original Depth: 3.3 m	
Material Colour: SAND, GRAVEL, LOOSE				Material: 2.1 m	
+					
Thickness: GREY				Original Depth: 3.9 m	
Material Colour: SAND, GRAVEL, LOOSE				Material: .6 m	
<a href="#">254</a>	1 of 1	WSW/274.9	310.0	<b>STEVE'S VALU-MART 86 GORDON STREET GUELPH ON N1H 4H6</b>	<b>PES</b>
Licence No.:		Vendor			
Licence Type:					
<a href="#">255</a>	1 of 1	W/379.7	313.5	<b>The Corporation of the City of Guelph 47 Surrey Street East Guelph ON</b>	<b>GEN</b>
Generator #:		ON6815040			
Approval Yrs:		2013			
SIC Code:		913910			
SIC Description:					
--- Details ---					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
<a href="#">256</a>	1 of 86	NE/264.6	310.0	<b>HART CHEMICAL LIMITED 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1</b>	<b>CA</b>
Certificate #:		8-2264-86-			
Application Year:		86			
Issue Date:		5/13/1991			
Approval Type:		Industrial air			
Status:		Cancelled			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Project Description:</i>		LIQUID INDUSTRIAL WASTE INCINERATOR			
<i>Contaminants:</i>					
<i>Emission Control:</i>					
<a href="#">256</a>	2 of 86	NE/264.6	310.0	Huntsman Corporation Canada Inc. 256 Victoria Road South Guelph ON N1E 5R1	CA
<i>Certificate #:</i>		2139-6JFPKM			
<i>Application Year:</i>		2005			
<i>Issue Date:</i>		12/29/2005			
<i>Approval Type:</i>		Air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>					
<i>Contaminants:</i>					
<i>Emission Control:</i>					
<a href="#">256</a>	3 of 86	NE/264.6	310.0	HART CHEMICAL COMPANY 256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	CA
<i>Certificate #:</i>		8-2167-92-			
<i>Application Year:</i>		92			
<i>Issue Date:</i>		8/28/1992			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>		DIS. AIR FLOATATION TREATMENT, SLUDGE			
<i>Contaminants:</i>		Benzene (Carcinogen Requires Bact), Ethyl Benzene, Toluene(Pentyl Methane)(Methyl Benzene), Xylene			
<i>Emission Control:</i>					
<a href="#">256</a>	4 of 86	NE/264.6	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
<i>Certificate #:</i>		8-2293-93-946			
<i>Application Year:</i>		01			
<i>Issue Date:</i>		5/4/01			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>		Notice			
<i>Client Name:</i>		Huntsman Corporation Canada Inc.			
<i>Client Address:</i>		256 Victoria Road South			
<i>Client City:</i>		Guelph			
<i>Client Postal Code:</i>		N1E 5R1			
<i>Project Description:</i>		The company's name has changed from Texaco Chemical Canada to Huntsman Corporation Canada Inc.			
<i>Contaminants:</i>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Emission Control:</i>					
<a href="#">256</a>	5 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<i>Certificate #:</i>		8-2190-97-			
<i>Application Year:</i>		97			
<i>Issue Date:</i>		11/6/1997			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>		FUME EXTRACTION ARM WITH FAN & STACK			
<i>Contaminants:</i>		Acetic Acid, Sulphuric Acid, Potassium Hydroxide			
<i>Emission Control:</i>					
<a href="#">256</a>	6 of 86	NE/264.6	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
<i>Certificate #:</i>		8-2005-94-007			
<i>Application Year:</i>		01			
<i>Issue Date:</i>		5/4/01			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>		Notice			
<i>Client Name:</i>		Huntsman Corporation Canada Inc.			
<i>Client Address:</i>		256 Victoria Road South			
<i>Client City:</i>		Guelph			
<i>Client Postal Code:</i>		N1E 5R1			
<i>Project Description:</i>		The company's name has changes from Texaco Chemical Canada a Division of Canada Texaco Inc. to Huntsman Corporation Canada Inc.			
<i>Contaminants:</i>					
<i>Emission Control:</i>					
<a href="#">256</a>	7 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<i>Certificate #:</i>		8-2125-96-			
<i>Application Year:</i>		96			
<i>Issue Date:</i>		8/6/1996			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>		VENT SYSTEM FOR HYDROTROPE PLANT, BLDG.7			
<i>Contaminants:</i>		Toluene(Pentyl Methane)(Methyl Benzene), Xylene, Suspended Particulate Matter, Silica (Respirable)			
<i>Emission Control:</i>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<a href="#">256</a>	8 of 86	NE/264.6	310.0	<b>TEXACO CHEMICAL CANADA 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1</b>	CA
Certificate #:		8-2259-93-			
Application Year:		93			
Issue Date:		12/2/1993			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		FUME EXHAUST EQUIPMENT FOR R & D LAB.			
Contaminants:					
Emission Control:					
<a href="#">256</a>	9 of 86	NE/264.6	310.0	<b>256 Victoria Road South Guelph ON N1E 5R1</b>	CA
Certificate #:		8-2266-93-947			
Application Year:		01			
Issue Date:		5/4/01			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		Notice			
Client Name:		Huntsman Corporation Canada Inc.			
Client Address:		256 Victoria Road South			
Client City:		Guelph			
Client Postal Code:		N1E 5R1			
Project Description:		The company's name has changed from Texaco Chemical Canada Division of Canada Texaco Inc. to Huntsman Corporation Canada Inc.			
Contaminants:					
Emission Control:					
<a href="#">256</a>	10 of 86	NE/264.6	310.0	<b>HART CHEMICAL LTD. 256 VICTORIA RD.S. GUELPH CITY ON N1E 5R1</b>	CA
Certificate #:		8-2164-85-866			
Application Year:		85			
Issue Date:		1/10/86			
Approval Type:		Industrial air			
Status:		Received in 1985, Issued in 1986			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:		Hydrogen Chloride, Ammonia, Sulphur Dioxide, Sulphuric Acid, Formaldehyde, Other Organic Compounds			
Emission Control:		Centri. And/Or Cycl. Scr.			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<a href="#">256</a>	11 of 86	NE/264.6	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
<p>Certificate #: 8-2045-94-006  Application Year: 01  Issue Date: 5/4/01  Approval Type: Industrial air  Status: Approved  Application Type: Notice  Client Name: Huntsman Corporation Canada Inc.  Client Address: 256 Victoria Road South  Client City: Guelph  Client Postal Code: N1E 5R1  Project Description: The company's name has changed from Texaco Chemical Canada Division of Canada Texaco Inc. to Huntsman Corporation Canada Inc.</p> <p>Contaminants:  Emission Control:</p>					
<a href="#">256</a>	12 of 86	NE/264.6	310.0	HART CHEMICAL LIMITED 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<p>Certificate #: 8-2293-93-  Application Year: 93  Issue Date: 2/10/1994  Approval Type: Industrial air  Status: Approved in 1994  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: CHEMICAL PROCESS EXHAUSTS(4)  Contaminants: Ethylene Oxide, Propylene Oxide, Sulphur Dioxide  Emission Control: No Controls</p>					
<a href="#">256</a>	13 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<p>Certificate #: 8-2084-94-  Application Year: 94  Issue Date: 5/17/1994  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: PROCESS CHANGE - K32, K34, K35, K18, K22  Contaminants: Dioxane  Emission Control:</p>					
<a href="#">256</a>	14 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH	CA

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<b>GUELPH CITY ON N1E 5R1</b>					
Certificate #:		8-2154-97-			
Application Year:		97			
Issue Date:		9/23/1997			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		LOCAL VENT SYS. FOR BY-PRODUCT BULKING			
Contaminants:					
Emission Control:					
<a href="#">256</a>	15 of 86	NE/264.6	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
Certificate #:		8-2164-85-866			
Application Year:		01			
Issue Date:		9/20/01			
Approval Type:		Industrial air			
Status:		Revoked and/or Replaced			
Application Type:		Notice			
Client Name:		Huntsman Corporation Canada Inc.			
Client Address:		256 Victoria Road South			
Client City:		Guelph			
Client Postal Code:		N1E 5R1			
Project Description:		Administrative Name Change			
Contaminants:					
Emission Control:					
<a href="#">256</a>	16 of 86	NE/264.6	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
Certificate #:		8-2045-94-			
Application Year:		94			
Issue Date:		4/14/1994			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		MFG. PROCESS CHANGE ON KETTLE #27			
Contaminants:		Xylene			
Emission Control:		No Controls			
<a href="#">256</a>	17 of 86	NE/264.6	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
Certificate #:		8-2167-92-006			
Application Year:		01			

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<p>Issue Date: 3/8/01  Approval Type: Industrial air  Status: Approved  Application Type: Notice  Client Name: Huntsman Corporation Canada Incorporated  Client Address: 256 Victoria Road South  Client City: Guelph  Client Postal Code: N1E 5R1  Project Description: Ownership change from Hart Chemical Company  Contaminants:  Emission Control:</p>					
<a href="#">256</a>	18 of 86	NE/264.6	310.0	<b>HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1</b>	CA
<p>Certificate #: 8-2013-95-  Application Year: 95  Issue Date: 3/21/1995  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: FUMEHOOD/EXH. FAN FOR WELDING PROCESSES  Contaminants:  Emission Control:</p>					
<a href="#">256</a>	19 of 86	NE/264.6	310.0	<b>256 Victoria Road South Guelph ON N1E 5R1</b>	CA
<p>Certificate #: 5595-52QKPA  Application Year: 01  Issue Date: 9/20/01  Approval Type: Industrial air  Status: Approved  Application Type: Amended CofA  Client Name: Huntsman Corporation Canada Inc.  Client Address: 256 Victoria Road South  Client City: Guelph  Client Postal Code: N1E 5R1  Project Description: Replacement of the Waterloo scrubber with one (1) new scrubbing system, which consists of a venturi scrubber and a packed column in series utilizing a caustic scrubbing solution to scrub vent gases from one (1) enclosed, pressurized chemical reaction vessel and one (1) centrifuge.  Contaminants:  Emission Control:</p>					
<a href="#">256</a>	20 of 86	NE/264.6	310.0	<b>TEXACO CHEMICAL CANADA 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1</b>	CA
<p>Certificate #: 4-0070-93-  Application Year: 93  Issue Date: 11/26/1993  Approval Type: Industrial wastewater</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		EMERG.STOR.BASIN, HEADWALL & OUTLET SEW.			
<a href="#">256</a>	21 of 86	NE/264.6	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
Certificate #: 8-2259-93-947 Application Year: 01 Issue Date: 5/4/01 Approval Type: Industrial air Status: Approved Application Type: Notice Client Name: Huntsman Corporation Canada Inc. Client Address: 256 Victoria Road South Client City: Guelph Client Postal Code: N1E 5R1 Project Description: The company's name has changed from Texaco Chemical Canada Division of Canada Texaco Inc. to Huntsman Corporation Canada Inc. Contaminants: Emission Control:					
<a href="#">256</a>	22 of 86	NE/264.6	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	CA
Certificate #: 8-2005-94-94 Application Year: 94 Issue Date: 2/24/1994 Approval Type: Industrial air Status: Revised Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: (2) EXH. FANS FOR QUALITY ASSURANCE LAB. Contaminants: Xylene, Methyl Alcohol, Chloroform, Ethyl Acetate, Acetic Acid Emission Control: No Controls					
<a href="#">256</a>	23 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
Certificate #: 8-2133-96-96 Application Year: 96 Issue Date: 7/25/1996 Approval Type: Industrial air Status: Approved Application Type: Client Name:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Client Address:  Client City:  Client Postal Code:  Project Description: INSTALL/OPERATE PHENOL SCRUBBER  Contaminants: Phenol  Emission Control: Packed Tower,</p>					
<a href="#">256</a>	24 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<p>Certificate #: 8-2233-97-  Application Year: 97  Issue Date: 12/17/1997  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: CONTRACTOR FABRICATION SHOP VENT SYSTEM  Contaminants: Suspended Particulate Matter  Emission Control: No Controls</p>					
<a href="#">256</a>	25 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<p>Certificate #: 8-2176-94-  Application Year: 94  Issue Date: 10/13/1994  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:  Project Description: REPLACE SOLVENT/WATER SPILT TANK #500  Contaminants: Ethyl Benzene, Toluene(Pentyl Methane)(Methyl Benzene), Xylene  Emission Control: No Controls</p>					
<a href="#">256</a>	26 of 86	NE/264.6	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	CA
<p>Certificate #: 8-2266-93-  Application Year: 93  Issue Date: 12/13/1993  Approval Type: Industrial air  Status: Approved  Application Type:  Client Name:  Client Address:  Client City:  Client Postal Code:</p>					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Project Description:</i>		EO/PO SCRUBBER FOR GUELPH CHEMICAL PLANT			
<i>Contaminants:</i>					
<i>Emission Control:</i>					
<a href="#">256</a>	27 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<i>Certificate #:</i>		8-2259-96-			
<i>Application Year:</i>		96			
<i>Issue Date:</i>		1/29/1997			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>					
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>		VENT FOR HOT BOX DRUM HEATING SYSTEM			
<i>Contaminants:</i>		Other Contaminant, Odour/Fumes			
<i>Emission Control:</i>		No Controls			
<a href="#">256</a>	28 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	CA
<i>Certificate #:</i>		8-2005-98-			
<i>Application Year:</i>		98			
<i>Issue Date:</i>		2/27/1998			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>		LOCAL VENTILATION SYSTEM FOR MIX PLANT			
<i>Contaminants:</i>		Ethylene Oxide, Propylene Oxide			
<i>Emission Control:</i>		No Controls			
<a href="#">256</a>	29 of 86	NE/264.6	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
<i>Certificate #:</i>		8-2409-95-006			
<i>Application Year:</i>		95			
<i>Issue Date:</i>		12/11/95			
<i>Approval Type:</i>		Industrial air			
<i>Status:</i>		Approved			
<i>Application Type:</i>					
<i>Client Name:</i>					
<i>Client Address:</i>					
<i>Client City:</i>					
<i>Client Postal Code:</i>					
<i>Project Description:</i>		FLAMMABLE DRUM STORAGE ROOM VENTILATION			
<i>Contaminants:</i>		Acetone, Hexane, Ethyl Ether, N-Propyl Alcohol, Methyl Alcohol, N-Butanol(Butanol), Chloroform, Methyl Ethyl Ketone (Butanone), Methyl Isobutyl Ketone, Xylene			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Emission Control:		No Controls			
<a href="#">256</a>	30 of 86	NE/264.6	310.0	<b>HUNTSMAN CORPORATION CANADA INC 256 VICTORIA RD S GUELPH ON N1E 5R1</b>	<b>CHEM</b>
Mailing City: Mailing Address: Mailing Address 2: Business: Description:					
<a href="#">256</a>	31 of 86	NE/264.6	310.0	<b>Huntsman Corporation Canada 256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1</b>	<b>EBR</b>
Year: 1997 EBR Registry No.: IA7E1049 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 7/15/97 Location: City of Guelph Proponent Address: Huntsman Corporation Canada, Inc.,256 Victoria Road South,Guelph, Ontario,N1E 5R1					
<a href="#">256</a>	32 of 86	NE/264.6	310.0	<b>Mayflower Properties (Guelph) Inc 256 Victoria Street South Guelph ON N1E 5R1</b>	<b>EBR</b>
Year: 2007 EBR Registry No.: 010-0427 Ministry Ref. No.: 0751-72BKVR Type: Instrument Proposal Instrument Type: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9 Proposal Date: April 24, 2007 Location: 256 Victoria Street South Guelph County Of Wellington N1E 5R1 CITY OF GUELPH Proponent Address: 256 Victoria Road South Guelph Ontario Canada N1E 5R1					
<a href="#">256</a>	33 of 86	NE/264.6	310.0	<b>Huntsman Corporation Canada 256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1</b>	<b>EBR</b>
Year: 1997 EBR Registry No.: IA7E1267 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 8/27/97 Location: City of Guelph Proponent Address: Huntsman Corporation Canada, Inc.,256 Victoria Road South,Guelph, Ontario,N1E 5R1					
<a href="#">256</a>	34 of 86	NE/264.6	310.0	<b>Mayflower Properties (Guelph) Inc. 256 Victoria Road S</b>	<b>EBR</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>Guelph ON N1E 5R1</b>					
				Year: 2010 EBR Registry No.: 010-8956 Ministry Ref. No.: 9441-7ZNQZX Type: Instrument Proposal Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: January 25, 2010 Location: 256 Victoria Road South Guelph, County Of Wellington N1E 5R1 Proponent Address: 256 Victoria Road South Guelph Ontario Canada N1E 5R1	
<a href="#">256</a>	35 of 86	NE/264.6	310.0	<b>Huntsman Corporation Canada</b> <b>256 Victoria Road South</b> <b>City of Guelph ON N1E 5R1</b>	EBR
				Year: 1996 EBR Registry No.: IA6E0932 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 6/12/96 Location: City of Guelph Proponent Address: Huntsman Corporation Canada, Inc.256 Victoria Road South,Guelph, Ontario, N1E 5R1	
<a href="#">256</a>	36 of 86	NE/264.6	310.0	<b>Huntsman Corporation Canada</b> <b>256 VICTORIA ROAD SOUTH</b> <b>City of Guelph ON N1E 5R1</b>	EBR
				Year: 1996 EBR Registry No.: IA6E1719 Ministry Ref. No.: Type: Instrument Instrument Type: EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) Proposal Date: 11/28/96 Location: City of Guelph Proponent Address: Huntsman Corporation Canada, Inc.256 Victoria Road South,Guelph, Ontario, N1E 5R1	
<a href="#">256</a>	37 of 86	NE/264.6	310.0	<b>Mayflower Properties (Guelph) Inc.</b> <b>256 Victoria Rd S</b> <b>Guelph ON N1E 5R1</b>	ECA
				CofA Number: 4375-8QNLQE Date: 1/14/2013 Status: Approved Project Type: Air/Noise	
<a href="#">256</a>	38 of 86	NE/264.6	310.0	<b>256 Victoria Road South</b> <b>Guelph ON N1E 5R1</b>	EHS
				Order No.: 20051208040 Report Date: 12/12/2005 Report Type: Site Report Search Radius (km): 0.25 Addit. Info Ordered: Fire Insur. Maps and/or Site Plans, Aerials Photos and/or Topographical Maps, City Directory	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">256</a>	39 of 86	NE/264.6	310.0	<b>Polymer Distribution Inc. 256 Victoria Road South Guelph ON N1E 5R1</b>	<b>GEN</b>

Generator #: ON1846500  
Approval Yrs: 2012  
SIC Code: 484221  
SIC Description: Bulk Liquids Trucking Local

--- Details ---

Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 268  
Waste Description: AMINES  
+  
Waste Code: 331  
Waste Description: WASTE COMPRESSED GASES  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 113  
Waste Description: ACID WASTE - OTHER METALS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 251  
Waste Description: OIL SKIMMINGS & SLUDGES  
+  
Waste Code: 262  
Waste Description: DETERGENTS/SOAPS  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 232  
Waste Description: POLYMERIC RESINS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 266  
Waste Description: PHENOLIC WASTES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 114

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

<u>256</u>	<b>40 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>Mayflower Properties (Guelph) Inc. 256 Victoria Road South Guelph ON N1E 5R1</b>	<b>GEN</b>
------------	-----------------	-----------------	--------------	---	------------

Generator #: ON1846500  
 Approval Yrs: 2010  
 SIC Code: 484221  
 SIC Description: Bulk Liquids Trucking Local

--- Details ---

Waste Code:	267
Waste Description:	ORGANIC ACIDS
+	
Waste Code:	233
Waste Description:	OTHER POLYMERIC WASTES
+	
Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS
+	
Waste Code:	114
Waste Description:	OTHER INORGANIC ACID WASTES
+	
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
+	
Waste Code:	331
Waste Description:	WASTE COMPRESSED GASES
+	
Waste Code:	312
Waste Description:	PATHOLOGICAL WASTES
+	
Waste Code:	262
Waste Description:	DETERGENTS/SOAPS
+	
Waste Code:	252
Waste Description:	WASTE OILS & LUBRICANTS
+	
Waste Code:	263
Waste Description:	ORGANIC LABORATORY CHEMICALS
+	
Waste Code:	232
Waste Description:	POLYMERIC RESINS
+	
Waste Code:	212

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<i>Waste Description:</i> ALIPHATIC SOLVENTS + <i>Waste Code:</i> 241 <i>Waste Description:</i> HALOGENATED SOLVENTS + <i>Waste Code:</i> 213 <i>Waste Description:</i> PETROLEUM DISTILLATES + <i>Waste Code:</i> 251 <i>Waste Description:</i> OIL SKIMMINGS & SLUDGES + <i>Waste Code:</i> 122 <i>Waste Description:</i> ALKALINE WASTES - OTHER METALS + <i>Waste Code:</i> 268 <i>Waste Description:</i> AMINES + <i>Waste Code:</i> 270 <i>Waste Description:</i> OTHER SPECIFIED ORGANICS + <i>Waste Code:</i> 211 <i>Waste Description:</i> AROMATIC SOLVENTS + <i>Waste Code:</i> 266 <i>Waste Description:</i> PHENOLIC WASTES + <i>Waste Code:</i> 221 <i>Waste Description:</i> LIGHT FUELS + <i>Waste Code:</i> 113 <i>Waste Description:</i> ACID WASTE - OTHER METALS					
<a href="#">256</a>	41 of 86	NE/264.6	310.0	HART CHEMICAL LTD PO BOX 450 256 VICTORIA RD S GUELPLH ON N1E 5R1	GEN
Generator #: ON0095000 Approval Yrs: 86,87,88 SIC Code: 3712 SIC Description: IND. ORGANIC CHEM.					
--- Details ---					
<i>Waste Code:</i> 212 <i>Waste Description:</i> ALIPHATIC SOLVENTS + <i>Waste Code:</i> 232 <i>Waste Description:</i> POLYMERIC RESINS + <i>Waste Code:</i> 270 <i>Waste Description:</i> OTHER SPECIFIED ORGANICS					
<a href="#">256</a>	42 of 86	NE/264.6	310.0	TEXACO CHE(SEE & USE ON1846500) 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	GEN
Generator #: ON0005299 Approval Yrs: 98 SIC Code: 3712 SIC Description: IND. ORGANIC CHEM.					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Waste Code:	146			
	Waste Description:	OTHER SPECIFIED INORGANICS			
	+				
	Waste Code:	148			
	Waste Description:	INORGANIC LABORATORY CHEMICALS			
	+				
	Waste Code:	211			
	Waste Description:	AROMATIC SOLVENTS			
	+				
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
	+				
	Waste Code:	232			
	Waste Description:	POLYMERIC RESINS			
	+				
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
	+				
	Waste Code:	263			
	Waste Description:	ORGANIC LABORATORY CHEMICALS			
	+				
	Waste Code:	266			
	Waste Description:	PHENOLIC WASTES			
	+				
	Waste Code:	270			
	Waste Description:	OTHER SPECIFIED ORGANICS			

**256**    **43 of 86**    **NE/264.6**    **310.0**    **Polymer Distribution Inc.**    **GEN**  
**256 Victoria Road South**  
**Guelph ON N1E 5R1**

Generator #: ON1846500  
Approval Yrs: 2011  
SIC Code: 484221  
SIC Description: Bulk Liquids Trucking Local

--- Details ---	
Waste Code:	221
Waste Description:	LIGHT FUELS
+	
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS
+	
Waste Code:	122
Waste Description:	ALKALINE WASTES - OTHER METALS
+	
Waste Code:	213
Waste Description:	PETROLEUM DISTILLATES
+	
Waste Code:	113
Waste Description:	ACID WASTE - OTHER METALS
+	
Waste Code:	266
Waste Description:	PHENOLIC WASTES
+	
Waste Code:	268
Waste Description:	AMINES
+	
Waste Code:	270
Waste Description:	OTHER SPECIFIED ORGANICS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
+					
	Waste Code:	232			
	Waste Description:	POLYMERIC RESINS			
+					
	Waste Code:	267			
	Waste Description:	ORGANIC ACIDS			
+					
	Waste Code:	331			
	Waste Description:	WASTE COMPRESSED GASES			
+					
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
+					
	Waste Code:	114			
	Waste Description:	OTHER INORGANIC ACID WASTES			
+					
	Waste Code:	148			
	Waste Description:	INORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	262			
	Waste Description:	DETERGENTS/SOAPS			
+					
	Waste Code:	233			
	Waste Description:	OTHER POLYMERIC WASTES			
+					
	Waste Code:	251			
	Waste Description:	OIL SKIMMINGS & SLUDGES			
+					
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
+					
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
+					
	Waste Code:	263			
	Waste Description:	ORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	146			
	Waste Description:	OTHER SPECIFIED INORGANICS			

**256**      **44 of 86**      **NE/264.6**      **310.0**      **HUNTSMAN CORPORATION CANADA INC.**      **GEN**  
**256 VICTORIA ROAD SOUTH**  
**GUELPH ON N1E 5R1**

Generator #: ON1846500  
Approval Yrs: 99,00,01,02,03,04,05  
SIC Code: 3712  
SIC Description: IND. ORGANIC CHEM.

--- Details ---

Waste Code: 113  
Waste Description: ACID WASTE - OTHER METALS  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
	Waste Code:	211			
	Waste Description:	AROMATIC SOLVENTS			
+					
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
+					
	Waste Code:	213			
	Waste Description:	PETROLEUM DISTILLATES			
+					
	Waste Code:	232			
	Waste Description:	POLYMERIC RESINS			
+					
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
+					
	Waste Code:	263			
	Waste Description:	ORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	266			
	Waste Description:	PHENOLIC WASTES			
+					
	Waste Code:	267			
	Waste Description:	ORGANIC ACIDS			
+					
	Waste Code:	270			
	Waste Description:	OTHER SPECIFIED ORGANICS			
+					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
+					
	Waste Code:	114			
	Waste Description:	OTHER INORGANIC ACID WASTES			
+					
	Waste Code:	122			
	Waste Description:	ALKALINE WASTES - OTHER METALS			
+					
	Waste Code:	221			
	Waste Description:	LIGHT FUELS			
+					
	Waste Code:	233			
	Waste Description:	OTHER POLYMERIC WASTES			
+					
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
+					
	Waste Code:	251			
	Waste Description:	OIL SKIMMINGS & SLUDGES			
+					
	Waste Code:	268			
	Waste Description:	AMINES			
+					
	Waste Code:	331			
	Waste Description:	WASTE COMPRESSED GASES			

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NE/264.6

310.0

HART CHEMICAL (SEE&USE ON0005299)  
19-034  
256 VICTORIA RD. S.  
GUELPLH ON N1E 5R1

GEN

Generator #:

ON0095000

412

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Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Approval Yrs:		92,93,94,95,96,97			
SIC Code:		3712			
SIC Description:		IND. ORGANIC CHEM.			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			

<a href="#">256</a>	<b>46 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1</b>	<b>GEN</b>
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Generator #: ON1846500  
Approval Yrs: 94,95,96,97,98  
SIC Code: 3712  
SIC Description: IND. ORGANIC CHEM.

--- Details ---

Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 232  
Waste Description: POLYMERIC RESINS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 266  
Waste Description: PHENOLIC WASTES  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 270

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		OTHER SPECIFIED ORGANICS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">256</a>	47 of 86	NE/264.6	310.0	HART CHEMICALS LTD. 256 VICTORIA RD. S. GUELPLH ON N1E 5R1	GEN
Generator #:		ON0095000			
Approval Yrs:		89			
SIC Code:		3712			
SIC Description:		IND. ORGANIC CHEM.			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			
<a href="#">256</a>	48 of 86	NE/264.6	310.0	HART CHEMICAL (SEE&USE ON0005299) 256 VICTORIA RD. S. GUELPLH ON N1E 5R1	GEN
Generator #:		ON0095000			
Approval Yrs:		98			
SIC Code:		3712			
SIC Description:		IND. ORGANIC CHEM.			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			
<a href="#">256</a>	49 of 86	NE/264.6	310.0	TEXACO CHE(SEE & USE ON1846500) 19-034 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	GEN

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Generator #:		ON0005299			
Approval Yrs:		92,93,94,95,96,97			
SIC Code:		3712			
SIC Description:		IND. ORGANIC CHEM.			
--- Details ---					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		148			
Waste Description:		INORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		232			
Waste Description:		POLYMERIC RESINS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		263			
Waste Description:		ORGANIC LABORATORY CHEMICALS			
+					
Waste Code:		266			
Waste Description:		PHENOLIC WASTES			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			

**256**    **50 of 86**    **NE/264.6**    **310.0**    **Mayflower Properties (Guelph) Inc.**    **GEN**  
**256 Victoria Road South**  
**Guelph ON N1E 5R1**

Generator #:	ON1846500
Approval Yrs:	2009
SIC Code:	484221
SIC Description:	Bulk Liquids Trucking Local
--- Details ---	
Waste Code:	113
Waste Description:	ACID WASTE - OTHER METALS
+	
Waste Code:	114
Waste Description:	OTHER INORGANIC ACID WASTES
+	
Waste Code:	122
Waste Description:	ALKALINE WASTES - OTHER METALS
+	
Waste Code:	146
Waste Description:	OTHER SPECIFIED INORGANICS
+	
Waste Code:	148
Waste Description:	INORGANIC LABORATORY CHEMICALS
+	
Waste Code:	211
Waste Description:	AROMATIC SOLVENTS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
+					
	Waste Code:	213			
	Waste Description:	PETROLEUM DISTILLATES			
+					
	Waste Code:	221			
	Waste Description:	LIGHT FUELS			
+					
	Waste Code:	232			
	Waste Description:	POLYMERIC RESINS			
+					
	Waste Code:	233			
	Waste Description:	OTHER POLYMERIC WASTES			
+					
	Waste Code:	241			
	Waste Description:	HALOGENATED SOLVENTS			
+					
	Waste Code:	251			
	Waste Description:	OIL SKIMMINGS & SLUDGES			
+					
	Waste Code:	252			
	Waste Description:	WASTE OILS & LUBRICANTS			
+					
	Waste Code:	262			
	Waste Description:	DETERGENTS/SOAPS			
+					
	Waste Code:	263			
	Waste Description:	ORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	266			
	Waste Description:	PHENOLIC WASTES			
+					
	Waste Code:	267			
	Waste Description:	ORGANIC ACIDS			
+					
	Waste Code:	268			
	Waste Description:	AMINES			
+					
	Waste Code:	270			
	Waste Description:	OTHER SPECIFIED ORGANICS			
+					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
+					
	Waste Code:	331			
	Waste Description:	WASTE COMPRESSED GASES			

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NE/264.6

310.0

**Polymer Distribution Inc.  
256 Victoria Road South  
Guelph ON N1E 5R1**

**GEN**

Generator #: ON1846500  
Approval Yrs: As of April 2014  
SIC Code:  
SIC Description:

--- Details ---

Waste Code: 262  
Waste Description: Detergents and soaps

416

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Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Waste Code:		263			
Waste Description:		Misc. waste organic chemicals			
<a href="#">256</a>	52 of 86	NE/264.6	310.0	<b>Akzo Nobel Canada Inc.</b> <b>Lot: 1, Concession: 2 256 Victoria Road</b> <b>South</b> <b>Guelph ON N1E 5R1</b>	<b>PTTW</b>
Year:		2012			
EBR Registry No.:		011-6336			
Ministry Ref. No.:		3174-8U5R22			
Type:		Instrument Proposal			
Instrument Type:		(OWRA s. 34) - Permit to take water			
Proposal Date:		May 11, 2012			
Location:		Lot: 1, Concession: 2 256 Victoria Road South, City of Guelph, County of Wellington CITY OF GUELPH			
Proponent Address:		8200 Keele Street Vaughan Ontario Canada L4K 2A5			
<a href="#">256</a>	53 of 86	NE/264.6	310.0	<b>Nacan Products Ltd.</b> <b>256 Victoria Road</b> <b>City of Guelph ON</b>	<b>PTTW</b>
Year:		1999			
EBR Registry No.:		IA9E0579			
Ministry Ref. No.:					
Type:		Instrument			
Instrument Type:		OWRA s. 34 - Permit to take water			
Proposal Date:		5/5/99			
Location:		City of Guelph			
Proponent Address:		Nacan Products Ltd.60 West Drive,Brampton, Ontario, L6T 4W7			
<a href="#">256</a>	54 of 86	NE/264.6	310.0	<b>Nacan Products Limited</b> <b>256 Victoria Road South</b> <b>Guelph ON N1E 5R1</b>	<b>PTTW</b>
Year:		2005			
EBR Registry No.:		IA05E1691			
Ministry Ref. No.:		0017-6HQMER			
Type:		Instrument Decision			
Instrument Type:		Permit to take water - OWRA s. 34			
Proposal Date:					
Location:		256 Victoria Road South Guelph Ontario			
Proponent Address:		60 West Drive Brampton Ontario L6T 4W7			
<a href="#">256</a>	55 of 86	NE/264.6	310.0	<b>HUNTSMAN CORPORATION CANADA</b> <b>256 VICTORIA RD S</b> <b>GUELPH ON N1E 5R1</b>	<b>SCT</b>
Established:		1960			
Plant Size (ft²):		0			
Employment:		100			
--- Details ---					
SIC/NAICS Code:		325189			
Description:		All Other Basic Inorganic Chemical Manufacturing			
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>SIC/NAICS Code: 325210 Description: Resin and Synthetic Rubber Manufacturing + SIC/NAICS Code: 325610 Description: Soap and Cleaning Compound Manufacturing + SIC/NAICS Code: 325999 Description: All Other Miscellaneous Chemical Product Manufacturing + SIC/NAICS Code: 2819 Description: INDUSTRIAL INORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED + SIC/NAICS Code: 2821 Description: PLASTIC MATERIALS, SYNTHETIC RESINS, AND NONVULCANIZABLE ELASTOMERS + SIC/NAICS Code: 2843 Description: SURFACE ACTIVE AGENTS, FINISHING AGENTS, SULFONATED OILS, AND ASSISTANTS + SIC/NAICS Code: 2869 Description: INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED + SIC/NAICS Code: 2899 Description: CHEMICALS AND CHEMICAL PREPARATIONS, NOT ELSEWHERE CLASSIFIED</p>					
<a href="#">256</a>	56 of 86	NE/264.6	310.0	Huntsman Corporation Canada Inc. 256 Victoria Rd S Guelph ON N1E 5R1	SCT
<p>Established: 1985 Plant Size (ft²): Employment: 120</p> <p>--- Details --- SIC/NAICS Code: 325190 Description: Other Basic Organic Chemical Manufacturing + SIC/NAICS Code: 326150 Description: Urethane and Other Foam Product (except Polystyrene) Manufacturing + SIC/NAICS Code: 326198 Description: All Other Plastic Product Manufacturing</p>					
<a href="#">256</a>	57 of 86	NE/264.6	310.0	TEXACO CHEMICAL CANADA LTD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	SPL
<p>Ref No.: 104700 Incident Dt: 8/31/1994 MOE Reported Dt: 8/31/1994 Contaminant Name: Contaminant Quantity: Incident Summary: TEXACO CHEMICAL CANADA- &lt;30 KG ETHYLENE OXIDE TO ATM FROM BROKEN DISC,FD. Incident Cause: VALVE/FITTING LEAK OR FAILURE Incident Reason: UNKNOWN Nature of Impact: Receiving Medium: AIR Environmental Impact: NOT ANTICIPATED</p>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<a href="#">256</a>	58 of 86	NE/264.6	310.0	HUNTSMAN CORP GUELPH PLANT VICTORIA RD. GUELPH CITY ON	256 SPL
Ref No.:		147565			
Incident Dt:		10/8/1997			
MOE Reported Dt:		10/8/1997			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP.: 1350 L XYLENE TO CONTAINMENT DYKE.			
Incident Cause:		UNKNOWN			
Incident Reason:		UNKNOWN			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
Environmental Impact:		POSSIBLE			
<a href="#">256</a>	59 of 86	NE/264.6	310.0	HUNTSMAN CORP GUELPH PLANT VICTORIA RD. GUELPH CITY ON	256 SPL
Ref No.:		128646			
Incident Dt:		7/1/1996			
MOE Reported Dt:		7/1/1996			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP:440KG SOAP BASE AND 100KG ETHYL OXIDE DISCHARGED.			
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Reason:		EQUIPMENT FAILURE			
Nature of Impact:		Air Pollution			
Receiving Medium:		LAND / AIR			
Environmental Impact:		POSSIBLE			
<a href="#">256</a>	60 of 86	NE/264.6	310.0	HUNTSMAN CORP GUELPH PLANT VICTORIA RD. GUELPH CITY ON	256 SPL
Ref No.:		152195			
Incident Dt:		2/6/1998			
MOE Reported Dt:		2/6/1998			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP-NONENE TO SUMP AND ODOURS TO RESIDENCE.			
Incident Cause:		OTHER CAUSE (N.O.S.)			
Incident Reason:		OTHER			
Nature of Impact:		Air Pollution			
Receiving Medium:		AIR			
Environmental Impact:		POSSIBLE			
<a href="#">256</a>	61 of 86	NE/264.6	310.0	HUNTSMAN CORP 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Ref No.:		173804			
Incident Dt:		10/15/1999			
MOE Reported Dt:		10/15/1999			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN:SOLVENT & DETERG-ENT SPILL (ZYLENE) -CONT-AINED & BEING CLEANED			
Incident Cause:		CONTAINER OVERFLOW			
Incident Reason:		OTHER			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
Environmental Impact:		POSSIBLE			
<a href="#">256</a>	62 of 86	NE/264.6	310.0	<b>HART CHEMICALS 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
Ref No.:		35176			
Incident Dt:		5/24/1990			
MOE Reported Dt:		5/24/1990			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HART CHEMICALS- SULFUR DIOXIDE LEAK FROM A TANK TO ATMOSPHERE			
Incident Cause:		PIPE/HOSE LEAK			
Incident Reason:		GASKET/JOINT			
Nature of Impact:					
Receiving Medium:		AIR			
Environmental Impact:		NOT ANTICIPATED			
<a href="#">256</a>	63 of 86	NE/264.6	310.0	<b>HART CHEMICALS LTD. 256 VICTORIA RD. SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
Ref No.:		46171			
Incident Dt:		1/30/1991			
MOE Reported Dt:		1/30/1991			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HART CHEMICAL - UNKNOWN AMOUNT OF EFFLUENT TO STORM WATER TRENCH.			
Incident Cause:		CONTAINER OVERFLOW			
Incident Reason:		EQUIPMENT FAILURE			
Nature of Impact:		Soil contamination			
Receiving Medium:		LAND			
Environmental Impact:		POSSIBLE			
<a href="#">256</a>	64 of 86	NE/264.6	310.0	<b>HART CHEMICALS GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON</b>	<b>SPL</b>
Ref No.:		3772			
Incident Dt:		5/16/1988			
MOE Reported Dt:		5/16/1988			
Contaminant Name:					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<p><i>Contaminant Quantity:</i>  <i>Incident Summary:</i> HART CHEMICALS - ETHYLENEOXIDE FIRE  <i>Incident Cause:</i> PROCESS UPSET  <i>Incident Reason:</i> FIRE/EXPLOSION  <i>Nature of Impact:</i>  <i>Receiving Medium:</i> AIR  <i>Environmental Impact:</i></p>					
<a href="#">256</a>	65 of 86	NE/264.6	310.0	HUNTSMAN CORP 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
<p><i>Ref No.:</i> 121176  <i>Incident Dt:</i> 11/24/1995  <i>MOE Reported Dt:</i> 11/24/1995  <i>Contaminant Name:</i>  <i>Contaminant Quantity:</i>  <i>Incident Summary:</i> HUNTSMAN CORP-20-40 L OF LIQUID SO2 TO DIKE AREA.  <i>Incident Cause:</i> PIPE/HOSE LEAK  <i>Incident Reason:</i> UNKNOWN  <i>Nature of Impact:</i> Air Pollution  <i>Receiving Medium:</i> LAND / AIR  <i>Environmental Impact:</i> POSSIBLE</p>					
<a href="#">256</a>	66 of 86	NE/264.6	310.0	CANADIAN PACIFIC RAILWAYS 256 VICTORIA TRAIN GUELPH CITY ON N1E 5R1	SPL
<p><i>Ref No.:</i> 113812  <i>Incident Dt:</i> 5/30/1995  <i>MOE Reported Dt:</i> 5/30/1995  <i>Contaminant Name:</i>  <i>Contaminant Quantity:</i>  <i>Incident Summary:</i> CPR-500 GRAMS PHENOL TO RAILCAR SIDE AND GRAVEL DURING SHUNTING.CLEANED.  <i>Incident Cause:</i> CONTAINER OVERFLOW  <i>Incident Reason:</i> EQUIPMENT FAILURE  <i>Nature of Impact:</i> Soil contamination  <i>Receiving Medium:</i> LAND  <i>Environmental Impact:</i> CONFIRMED</p>					
<a href="#">256</a>	67 of 86	NE/264.6	310.0	HUNTSMAN CORP GUELPH PLANT VICTORIA RD. GUELPH CITY ON	256 SPL
<p><i>Ref No.:</i> 139013  <i>Incident Dt:</i> 4/3/1997  <i>MOE Reported Dt:</i> 4/3/1997  <i>Contaminant Name:</i>  <i>Contaminant Quantity:</i>  <i>Incident Summary:</i> HUNTSMAN CORP.-EXPLOSION BROWN &amp; GREY CLOUD TO AIRFD AND MOEE TO SITE.  <i>Incident Cause:</i> OTHER CAUSE (N.O.S.)  <i>Incident Reason:</i> FIRE/EXPLOSION  <i>Nature of Impact:</i> Air Pollution  <i>Receiving Medium:</i> AIR</p>					

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<i>Environmental Impact:</i>		POSSIBLE			
<a href="#">256</a>	<b>68 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>HUNTSMAN CORP 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
<i>Ref No.:</i>	168858				
<i>Incident Dt:</i>	6/13/1999				
<i>MOE Reported Dt:</i>	6/13/1999				
<i>Contaminant Name:</i>					
<i>Contaminant Quantity:</i>					
<i>Incident Summary:</i>	HUNTSMAN CORP-2-5000 KG SPILL OF SURFACTANT DOSS- 70MS TO GRD. CLEANING.				
<i>Incident Cause:</i>	VALVE/FITTING LEAK OR FAILURE				
<i>Incident Reason:</i>	UNKNOWN				
<i>Nature of Impact:</i>	Air Pollution				
<i>Receiving Medium:</i>	LAND / AIR				
<i>Environmental Impact:</i>	POSSIBLE				
<a href="#">256</a>	<b>69 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>HUNTSMAN CORP 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
<i>Ref No.:</i>	231824				
<i>Incident Dt:</i>	7/13/2002				
<i>MOE Reported Dt:</i>	7/13/2002				
<i>Contaminant Name:</i>					
<i>Contaminant Quantity:</i>					
<i>Incident Summary:</i>	HUNTSMAN:134,882 L OF HA-ZARDOUS WASTEWATER TO SA-NITARY SEWER.WORKS NOTIF.				
<i>Incident Cause:</i>	OTHER CAUSE (N.O.S.)				
<i>Incident Reason:</i>	ERROR				
<i>Nature of Impact:</i>	Water course or lake				
<i>Receiving Medium:</i>	LAND				
<i>Environmental Impact:</i>	POSSIBLE				
<a href="#">256</a>	<b>70 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>TEXACO CHEMICAL CANADA LTD. 256 VICTORIA RD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
<i>Ref No.:</i>	92277				
<i>Incident Dt:</i>	10/12/1993				
<i>MOE Reported Dt:</i>	10/12/1993				
<i>Contaminant Name:</i>					
<i>Contaminant Quantity:</i>					
<i>Incident Summary:</i>	TEXACO CHEMICAL: 900L DIRTY WATER TO ERAMOSIA RIVER				
<i>Incident Cause:</i>	PIPE/HOSE LEAK				
<i>Incident Reason:</i>	ERROR				
<i>Nature of Impact:</i>	Water course or lake				
<i>Receiving Medium:</i>	WATER				
<i>Environmental Impact:</i>	POSSIBLE				

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
<a href="#">256</a>	71 of 86	NE/264.6	310.0	HART CHEMICALS GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON	256 SPL
<p>Ref No.: 31639  Incident Dt: 3/5/1990  MOE Reported Dt: 3/5/1990  Contaminant Name:  Contaminant Quantity:  Incident Summary: HART CHEMICAL- 20 KG OF ETHYLENE OXIDE TO AIR.  Incident Cause: PROCESS UPSET  Incident Reason: OVERSTRESS/OVERPRESSURE  Nature of Impact:  Receiving Medium: AIR  Environmental Impact: NOT ANTICIPATED</p>					
<a href="#">256</a>	72 of 86	NE/264.6	310.0	HART CHEMICALS GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON	256 SPL
<p>Ref No.: 22225  Incident Dt: 7/15/1989  MOE Reported Dt: 7/18/1989  Contaminant Name:  Contaminant Quantity:  Incident Summary: HART CHEMICAL- 350 KG OF ETHYLENE OXIDE RELEASED FROM OUTSIDE TANK  Incident Cause: ABOVE-GROUND TANK LEAK  Incident Reason: ERROR  Nature of Impact: Other  Receiving Medium: AIR  Environmental Impact: POSSIBLE</p>					
<a href="#">256</a>	73 of 86	NE/264.6	310.0	TEXACO CHEMICAL CANADA LTD. 256 VICTORIA RD S GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	SPL
<p>Ref No.: 88972  Incident Dt: 7/26/1993  MOE Reported Dt: 7/26/1993  Contaminant Name:  Contaminant Quantity:  Incident Summary: TEXACO CHEMICAL - 25 L OFHCL TO AIR FROM LEAKING TANKER  Incident Cause: VALVE/FITTING LEAK OR FAILURE  Incident Reason: GASKET/JOINT  Nature of Impact:  Receiving Medium: AIR  Environmental Impact: NOT ANTICIPATED</p>					
<a href="#">256</a>	74 of 86	NE/264.6	310.0	HART CHEMICALS GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON	256 SPL

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Ref No.: 19669 Incident Dt: 6/4/1989 MOE Reported Dt: 6/4/1989 Contaminant Name: Contaminant Quantity: Incident Summary: HART CHEMICALS- HCL VAPOUR TO ATMOSPHERE. Incident Cause: VALVE/FITTING LEAK OR FAILURE Incident Reason: EQUIPMENT FAILURE Nature of Impact: Receiving Medium: AIR Environmental Impact: NOT ANTICIPATED					
<a href="#"><u>256</u></a>	<b>75 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>HUNTSMAN CORP 256 VICTORIA STREET GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
Ref No.: 117215 Incident Dt: 8/14/1995 MOE Reported Dt: 8/15/1995 Contaminant Name: Contaminant Quantity: Incident Summary: HUNTSMAN CORP-900 L OF UNTREATED PROCESS WATER TO HOLDING POND. Incident Cause: CONTAINER OVERFLOW Incident Reason: STORM/FLOOD/WIND Nature of Impact: Water course or lake Receiving Medium: WATER Environmental Impact: POSSIBLE					
<a href="#"><u>256</u></a>	<b>76 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>HUNTSMAN CORP GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
Ref No.: 180113 Incident Dt: 4/28/2000 MOE Reported Dt: 4/28/2000 Contaminant Name: Contaminant Quantity: Incident Summary: HUNTSMAN CORP-XYLENE BY- PRODUCTS(90%) LEAK FROM TANK INTO DYKE, FD. Incident Cause: VALVE/FITTING LEAK OR FAILURE Incident Reason: UNKNOWN Nature of Impact: Receiving Medium: AIR Environmental Impact: NOT ANTICIPATED					
<a href="#"><u>256</u></a>	<b>77 of 86</b>	<b>NE/264.6</b>	<b>310.0</b>	<b>TEXACO CHEMICAL CANADA LTD. 256 VICTORIA RD. S. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1</b>	<b>SPL</b>
Ref No.: 99134 Incident Dt: 4/26/1994 MOE Reported Dt: 4/26/1994 Contaminant Name:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Contaminant Quantity: Incident Summary: HUNTSMAN CANADA:BETWEEN 45-450L OF PROPYLENE TO PAVE GROUND-CONTAINED Incident Cause: VALVE/FITTING LEAK OR FAILURE Incident Reason: UNKNOWN Nature of Impact: Human health Receiving Medium: LAND Environmental Impact: POSSIBLE</p>					
<a href="#">256</a>	78 of 86	NE/264.6	310.0	HUNTSMAN CORP GUELPH PLANT VICTORIA RD. GUELPH CITY ON N1E 5R1	256 SPL
<p>Ref No.: 171179 Incident Dt: 8/6/1999 MOE Reported Dt: 8/6/1999 Contaminant Name: Contaminant Quantity: Incident Summary: HUNTSMAN CORP-1-2% NONENESOL'N VAPORS TO AIR, NON RESIDENTIAL. STABILIZING. Incident Cause: OTHER CAUSE (N.O.S.) Incident Reason: OTHER Nature of Impact: Air Pollution Receiving Medium: AIR Environmental Impact: CONFIRMED</p>					
<a href="#">256</a>	79 of 86	NE/264.6	310.0	HUNTSMAN CORP 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
<p>Ref No.: 125131 Incident Dt: 4/18/1996 MOE Reported Dt: 4/18/1996 Contaminant Name: Contaminant Quantity: Incident Summary: HUNTSMAN CORP - 67.5 M3 PHENOL,INDOOR &amp; OUTDOOR, VAPOURS TO ATM,EVACUATION Incident Cause: OTHER CONTAINER LEAK Incident Reason: EQUIPMENT FAILURE Nature of Impact: Air Pollution Receiving Medium: LAND / AIR Environmental Impact: CONFIRMED</p>					
<a href="#">256</a>	80 of 86	NE/264.6	310.0	HART CHEMICALS LTD. GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	256 SPL
<p>Ref No.: 53651 Incident Dt: 7/7/1991 MOE Reported Dt: 7/7/1991 Contaminant Name: Contaminant Quantity: Incident Summary: HART CHEMICAL LTD- 9 L SPILL OF FUEL ADDITIVE ONTO GROUND. CLEANED UP. Incident Cause: DYKE FAILURE Incident Reason: MATERIAL FAILURE Nature of Impact:</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Receiving Medium:		LAND			
Environmental Impact:		NOT ANTICIPATED			
<a href="#">256</a>	81 of 86	NE/264.6	310.0	HUNTSMAN CORP 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref No.:		147675			
Incident Dt:		10/10/1997			
MOE Reported Dt:		10/10/1997			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP- 12 KG OF LIQUID SO2 TO GROUND, NO VAPOUR OFFSITE.			
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Reason:		OVERSTRESS/OVERPRESSURE			
Nature of Impact:		Air Pollution			
Receiving Medium:		LAND / AIR			
Environmental Impact:		POSSIBLE			
<a href="#">256</a>	82 of 86	NE/264.6	310.0	HUNTSMAN CORP GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref No.:		115713			
Incident Dt:		7/14/1995			
MOE Reported Dt:		7/14/1995			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP-0.5 GAL OF ETHYLENE OXIDE TO ATM FROM VALVE: ERROR			
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Reason:		ERROR			
Nature of Impact:					
Receiving Medium:		AIR			
Environmental Impact:		NOT ANTICIPATED			
<a href="#">256</a>	83 of 86	NE/264.6	310.0	HUNTSMAN CORP 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref No.:		148786			
Incident Dt:		11/4/1997			
MOE Reported Dt:		11/4/1997			
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:		HUNTSMAN CORP- 10 KG OF LIQUID SO2 TO GROUND, NO VAPOUR OFFSITE.			
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Reason:		OVERSTRESS/OVERPRESSURE			
Nature of Impact:		Air Pollution			
Receiving Medium:		LAND / AIR			
Environmental Impact:		POSSIBLE			
<a href="#">256</a>	84 of 86	NE/264.6	310.0	HART CHEMICALS LTD. GUELPH PLANT	SPL
				256	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>VICTORIA ROAD SOUTH GUELPH CITY ON</b>					
Ref No.:	69954				
Incident Dt:	5/1/1992				
MOE Reported Dt:	5/1/1992				
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:	HART CHEMICAL LTD: 5-10KGHYDROGEN CHLORIDE TO ATM FROM SAFETY VENT.				
Incident Cause:	VALVE/FITTING LEAK OR FAILURE				
Incident Reason:	ERROR				
Nature of Impact:	Other				
Receiving Medium:	AIR				
Environmental Impact:	NOT ANTICIPATED				
<a href="#">256</a>	85 of 86	NE/264.6	310.0	<b>HART CHEMICALS GUELPH PLANT VICTORIA ROAD SOUTH GUELPH CITY ON</b>	256 SPL
Ref No.:	20738				
Incident Dt:	6/20/1989				
MOE Reported Dt:	6/20/1989				
Contaminant Name:					
Contaminant Quantity:					
Incident Summary:	HART CHEMICALS- PROPYLENEOXIDE TO ATMOSPHERE.				
Incident Cause:	VALVE/FITTING LEAK OR FAILURE				
Incident Reason:	OVERSTRESS/OVERPRESSURE				
Nature of Impact:					
Receiving Medium:	AIR				
Environmental Impact:					
<a href="#">256</a>	86 of 86	NE/264.6	310.0	<b>Polymer Distribution Inc. 256 Victoria Rd S 256 VICTORIA ROAD SOUTH Guelph ON N1E 5R1</b>	SPL
Ref No.:	3034-6VFPDS				
Incident Dt:	11/11/2006				
MOE Reported Dt:	11/11/2006				
Contaminant Name:	Unknown				
Contaminant Quantity:	Not Specified Not Specified				
Incident Summary:	Guelph: foam(white) spilling from silo				
Incident Cause:	Other Discharges				
Incident Reason:	Unknown - Reason not determined				
Nature of Impact:	Human Health/Safety; Other Impact(s)				
Receiving Medium:	Land				
Environmental Impact:	Possible				
<a href="#">257</a>	1 of 1	WSW/261.3	309.7	<b>Guelph ON</b>	WWIS
Well ID:	7210266			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561068			Northing Nad83:	4821077
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	22 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	12 ft
Material Colour:				Material:	12 ft
+					
Thickness:				Original Depth:	22 ft
Material Colour:	SAND, , SAND			Material:	10 ft

<a href="#">258</a>	1 of 1	NE/266.7	310.0	<b>Polymer Distribution Inc. 256 Victoria Road South Guelph ON</b>	<b>GEN</b>
Generator #:		ON1846500			
Approval Yrs:		2013			
SIC Code:		484221			
SIC Description:		BULK LIQUIDS TRUCKING, LOCAL			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					
Waste Code:		114			
Waste Description:		OTHER INORGANIC ACID WASTES			
+					
Waste Code:		268			
Waste Description:		AMINES			
+					
Waste Code:		262			
Waste Description:		DETERGENTS/SOAPS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
+					
	Waste Code:	263			
	Waste Description:	ORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	331			
	Waste Description:	WASTE COMPRESSED GASES			
+					
	Waste Code:	122			
	Waste Description:	ALKALINE WASTES - OTHER METALS			
+					
	Waste Code:	232			
	Waste Description:	POLYMERIC RESINS			
+					
	Waste Code:	233			
	Waste Description:	OTHER POLYMERIC WASTES			
+					
	Waste Code:	267			
	Waste Description:	ORGANIC ACIDS			
+					
	Waste Code:	148			
	Waste Description:	INORGANIC LABORATORY CHEMICALS			
+					
	Waste Code:	113			
	Waste Description:	ACID WASTE - OTHER METALS			
+					
	Waste Code:	212			
	Waste Description:	ALIPHATIC SOLVENTS			
+					
	Waste Code:	266			
	Waste Description:	PHENOLIC WASTES			

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1 of 1

WSW/263.2

309.7

Guelph ON

WWIS

Well ID: 7210268

Concession:

County: WELLINGTON

Easting Nad83: 561066

Zone: 17

Primary Water Use:

Sec. Water Use:

Pump Rate:

Flow Rate:

Specific Capacity:

Construction Method:

Elevation (m):

Depth to Bedrock:

Water Type:

Lot:

Concession Name:

Municipality: GUELPH CITY

Northing Nad83: 4821077

Utm Reliability: margin of error : 30 m - 100 m

Construction Date: 09-OCT-13

Well Depth: 75 ft

Static Water Level:

Clear/Cloudy:

Final Well Status: Abandoned-Supply

Flowing (y/n):

Elevation Reliability:

Overburden/Bedrock:

Casing Material:

--- Details ---

Thickness: GREY

Material Colour:

+

Thickness:

Material Colour: SAND, , SAND

Original Depth: 63 ft

Material: 63 ft

Original Depth: 75 ft

Material: 12 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">260</a>	1 of 1	W/321.2	311.9	<b>GUELPH ON</b>	WWIS
Well ID:	7191812			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561025			Northing Nad83:	4821225
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	13-NOV-12
Sec. Water Use:				Well Depth:	4.1 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	4.1 m
Material Colour:	SAND, STONES, OTHER			Material:	4.1 m

<a href="#">261</a>	1 of 1	WSW/261.3	309.0	<b>Guelph ON</b>	WWIS
Well ID:	7178983			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561079			Northing Nad83:	4821031
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	15-FEB-12
Sec. Water Use:				Well Depth:	3 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	.6 m
Material Colour:	TOPSOIL, FILL, LOOSE			Material:	.6 m
+					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, SILT, PACKED			Material:	2.4 m

<a href="#">262</a>	1 of 1	W/481.6	317.1	<b>MTE Consulting 36 Wyndham Street South Guelph ON</b>	GEN
Generator #:	ON7614094				
Approval Yrs:	2013				
SIC Code:	562210				
SIC Description:	WASTE TREATMENT AND DISPOSAL				
--- Details ---					
Waste Code:	221				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description:		LIGHT FUELS			
<a href="#">263</a>	1 of 2	WSW/290.9	310.0	<b>Alfred Schnurr Electric Company LTD. 64-80 Gordon Street Guelph ON N1H 4H4</b>	<b>GEN</b>
Generator #:		ON4398132			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		252			
Waste Description:		Waste crankcase oils and lubricants			
+					
Waste Code:		213			
Waste Description:		Petroleum distillates			
<a href="#">263</a>	2 of 2	WSW/290.9	310.0	<b>Alfred Schnurr Electric Company LTD. 64-80 Gordon Street Guelph ON</b>	<b>GEN</b>
Generator #:		ON4398132			
Approval Yrs:		2013			
SIC Code:		238210			
SIC Description:		ELECTRICAL CONTRACTORS, ELECTRICAL CONTRACTORS AND OTHER WIRING			
--- Details ---					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			
<a href="#">264</a>	1 of 1	W/486.6	317.4	<b>36 Wyndham Street GUELPH ON</b>	<b>EHS</b>
Order No.:		20060727012w			
Report Date:		7/27/2006			
Report Type:		Online Mapless			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">265</a>	1 of 1	WSW/269.3	309.7	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:		7210283		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561060		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:				4821076	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				09-OCT-13	
Construction Method:				Well Depth:	
Elevation (m):				10 ft	
				Static Water Level:	
				Clear/Cloudy:	
				Final Well Status:	
				Abandoned-Supply	
				Flowing (y/n):	
				Elevation Reliability:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Depth to Bedrock: Water Type:				Overburden/Bedrock: Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:				Original Depth:	10 ft
Material Colour:	SAND, , SAND			Material:	7 ft

<a href="#">266</a>	1 of 1	WSW/287.6	310.0	<b>ON</b>	<b>WWIS</b>
Well ID:	6713400			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561039			Northing Nad83:	4821121
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	23-FEB-00
Sec. Water Use:				Well Depth:	23 ft
Pump Rate:				Static Water Level:	7 ft
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	309.36			Elevation Reliability:	
Depth to Bedrock:	10			Overburden/Bedrock:	Bedrock
Water Type:				Casing Material:	FRESH, Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	10 ft
Material Colour:	SAND, COARSE GRAVEL			Material:	10 ft
+					
Thickness:	BROWN			Original Depth:	23 ft
Material Colour:	LIMESTONE			Material:	13 ft

<a href="#">267</a>	1 of 1	WSW/271.7	309.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210278			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561070			Northing Nad83:	4821025
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	10 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Thickness:	GREY			Original Depth:	10 ft
Material Colour:	SAND, , SAND			Material:	7 ft
<a href="#">268</a>	1 of 1	WSW/274.7	309.0	<b>Guelph ON</b>	WWIS
Well ID:	7210276			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561063			Northing Nad83:	4821037
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	10.5 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:	GREY			Original Depth:	10.5 ft
Material Colour:	SAND, , SAND			Material:	7.5 ft
<a href="#">269</a>	1 of 1	WSW/284.8	310.0	<b>ECONOMY LUBE INC 87 GORDON ST GUELPH ON N1H4H7</b>	RST
Facility:	OIL CHANGES & LUBRICATION SERVICE				
Description:					
<a href="#">270</a>	1 of 1	WSW/291.6	310.0	<b>ON</b>	WWIS
Well ID:	6713402			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561035			Northing Nad83:	4821121
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	23-FEB-00
Sec. Water Use:				Well Depth:	74 ft
Pump Rate:	7 GPM			Static Water Level:	7 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	309.35			Elevation Reliability:	
Depth to Bedrock:	10			Overburden/Bedrock:	Bedrock
Water Type:	FRESH			Casing Material:	FRESH, Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	10 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Material Colour:	COARSE SAND			Material:	10 ft
+					
Thickness:	BROWN			Original Depth:	74 ft
Material Colour:	LIMESTONE			Material:	64 ft

[271](#)    1 of 1       **W/340.7**    **312.2**    **20 Wellington Street East**    **EHS**  
**Guelph ON N1H 3R8**

Order No.: 20120510016  
Report Date: 5/18/2012 11:06:48 AM  
Report Type: Standard Report  
Search Radius (km): 0.25  
Addit. Info Ordered: Aerial Photos

[272](#)    1 of 1       **WSW/301.1**    **310.0**    **City of Guelph**    **SPL**  
**Corner of Wellington and Gordon**  
**Guelph ON**

Ref No.: 6148-93RRTQ  
Incident Dt: 08-JAN-13  
MOE Reported Dt: 08-JAN-13  
Contaminant Name: HYDRAULIC OIL  
Contaminant Quantity: 10 L  
Incident Summary: City of Guelph: 10L hydraulic oil to snowbank and 1 cb, clng  
Incident Cause: Leak/Break  
Incident Reason: Equipment Failure  
Nature of Impact: Soil Contamination  
Receiving Medium:  
Environmental Impact: Confirmed

[273](#)    1 of 1       **W/370.4**    **313.4**    **City of Guelph**    **SPL**  
**49 Surrey St**  
**Guelph ON**

Ref No.: 6001-94EJA4  
Incident Dt: 29-JAN-13  
MOE Reported Dt: 29-JAN-13  
Contaminant Name: COAL TAR  
Contaminant Quantity: 0 other - see incident description  
Incident Summary: City of Guelph: Water Main/Coal Tar  
Incident Cause: Unknown / N/A  
Incident Reason: Unknown / N/A  
Nature of Impact: Other Impact(s)  
Receiving Medium:  
Environmental Impact: Possible

[274](#)    1 of 1       **WSW/290.2**    **310.0**    **ECONOMY LUBE INC**    **RST**  
**87 GORDON ST**  
**GUELPH ON N1H 4H7**

Facility: OIL CHANGES & LUBRICATION SERVICE  
Description:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">275</a>	1 of 2	WSW/309.2	310.0	WELLINGTON ST AND GORDON ST, GUELPH ON	PINC

Incident ID:  
 Tank Status: RC Established  
 Attribute Category: Incorrect facility records/maps  
 Task Number: 5085367  
 SR Type: FS-Pipeline Incident  
 Incident Number: 1428296  
 Status Code: Pipeline Damage Reason Est  
 Summary: WELLINGTON ST AND GORDON ST, GUELPH - PIPELINE HIT - 1"  
 Spills Action Centre:  
 Reported By: Steve Harrison - Union Gas  
 Affiliation:  
 Method Details: E-mail  
 Fuel Category: Natural Gas  
 Fuel Occurrence Type:  
 Date of Occurrence:  
 Occurrence Start Date: 2014/07/08  
 Health Impact:  
 Occurrence Desc:  
 Environment Impact:  
 Property Damage: No  
 Service Interupt:  
 Fuel Type:  
 Enforce Policy: Yes  
 Operation Type:  
 Damage Reason: FS-Perform P-line Inc Invest  
 Public Relation:  
 Pipeline System:  
 Pipeline Type:  
 Depth:  
 Pipe Material:  
 Regualtor Location:  
 PSIG:  
 Regulator Type:  
 Notes:

<a href="#">275</a>	2 of 2	WSW/309.2	310.0	Wellington St. & Gordon St.<UNOFFICIAL> Guelph ON	SPL
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Ref No.: 8763-85CTX5  
 Incident Dt:  
 MOE Reported Dt: 5/11/2010  
 Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)  
 Contaminant Quantity:  
 Incident Summary: Guelph - oil in parking lot & road to c/b  
 Incident Cause: Unknown  
 Incident Reason: Unknown - Reason not determined  
 Nature of Impact: Soil Contamination; Surface Water Pollution  
 Receiving Medium:  
 Environmental Impact: Possible

<a href="#">276</a>	1 of 1	WSW/290.5	308.7	ON	WWIS
Well ID:	6713401	Lot:			



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561059			Northing Nad83:	4821001
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used			Construction Date:	24-FEB-00
Sec. Water Use:				Well Depth:	76 ft
Pump Rate:	15 GPM			Static Water Level:	6 ft
Flow Rate:				Clear/Cloudy:	CLEAR
Specific Capacity:				Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)			Flowing (y/n):	N
Elevation (m):	308.14			Elevation Reliability:	
Depth to Bedrock:	15			Overburden/Bedrock:	Bedrock
Water Type:	FRESH, SULPHUR			Casing Material:	FRESH, Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	4 ft
Material Colour:	CLAY, STONES, FILL			Material:	4 ft
+					
Thickness:	BLACK			Original Depth:	9 ft
Material Colour:	MUCK, SOFT			Material:	5 ft
+					
Thickness:	BROWN			Original Depth:	15 ft
Material Colour:	COARSE GRAVEL			Material:	6 ft
+					
Thickness:	BROWN			Original Depth:	76 ft
Material Colour:	LIMESTONE, HARD			Material:	61 ft

[277](#)    1 of 9       WSW/291.9    309.0    **FERCAN DEVELOPMENT CORPORATION**    CA  
**40 WELLINGTON STREET**  
**GUELPH CITY ON**

Certificate #: 4-0064-92-  
Application Year: 92  
Issue Date: 9/28/1993  
Approval Type: Industrial wastewater  
Status: Cancelled  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: G-WATER EXTRACTION & TREATMENT SYSTEM  
Contaminants:  
Emission Control:

[277](#)    2 of 9       WSW/291.9    309.0    **40 Wellington Street**    CA  
**Guelph ON**

Certificate #: 8-2120-99-006  
Application Year: 02  
Issue Date: 7/3/02  
Approval Type: Industrial air  
Status: Approved  
Application Type: Notice  
Client Name: BBL Environmental Services Inc.  
Client Address: 6723 Towpath Road, PO Box 66

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Client City:		Syracuse			
Client Postal Code:		13214-0066			
Project Description:		Change Lead Addressee to "BBL Environmental Services Inc."			
Contaminants:					
Emission Control:					
<a href="#">277</a>	3 of 9	WSW/291.9	309.0	<b>CRA CONTRACTING SERVICES &amp; ROCKWELL AUTO 40 WELLINGTON ST., RP 61R-5245 GUELPH CITY ON</b>	CA
Certificate #:		8-2120-99-			
Application Year:		99			
Issue Date:		8/17/1999			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		AIR STRIPPER FOR G-WATER REMEDIATION			
Contaminants:					
Emission Control:					
<a href="#">277</a>	4 of 9	WSW/291.9	309.0	<b>CRA Contracting Services &amp; Rockwell Automation of Canada Inc 40 Wellington Street City of Guelph ON</b>	EBR
Year:		1999			
EBR Registry No.:		IA9E0713			
Ministry Ref. No.:					
Type:		Instrument			
Instrument Type:		EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air)			
Proposal Date:		6/16/99			
Location:		City of Guelph			
Proponent Address:		CRA Contracting Services & Rockwell Automation of Canada Inc.651 Colby Drive,Waterloo, Ontario, N2V 1C2			
<a href="#">277</a>	5 of 9	WSW/291.9	309.0	<b>DELTA INTERNATIONAL MACHINERY 04-040 40 WELLINGTON STREET GUELPH ON N1H 6M7</b>	GEN
Generator #:		ON0203600			
Approval Yrs:		92,93,94,95,96,97			
SIC Code:		3193			
SIC Description:		SAWMILL, ETC. MACH.			
--- Details ---					
Waste Code:		123			
Waste Description:		ALKALINE PHOSPHATES			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Code:		146			
Waste Description:		OTHER SPECIFIED INORGANICS			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		253			
Waste Description:		EMULSIFIED OILS			

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<a href="#"><u>277</u></a>	<b>6 of 9</b>	<b>WSW/291.9</b>	<b>309.0</b>	<b>DELTA INTERNATIONAL MACHINERY 40 WELLINGTON STREET GUELPH ON N1H 6M7</b>	<b>GEN</b>
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Generator #: ON0203600  
Approval Yrs: 98  
SIC Code: 3193  
SIC Description: SAWMILL, ETC. MACH.

--- Details ---

Waste Code: 123  
Waste Description: ALKALINE PHOSPHATES  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+  
Waste Code: 253  
Waste Description: EMULSIFIED OILS

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<a href="#"><u>277</u></a>	<b>7 of 9</b>	<b>WSW/291.9</b>	<b>309.0</b>	<b>DELTA INTERNATIONAL MACHINERY 40 WELLINGTON STREET GUELPH ON N1H 6M7</b>	<b>GEN</b>
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Generator #: ON0203600  
Approval Yrs: 86,87,88,89,90  
SIC Code: 3193  
SIC Description: SAWMILL, ETC. MACH.

--- Details ---

Waste Code: 123  
Waste Description: ALKALINE PHOSPHATES  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 211

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description:		AROMATIC SOLVENTS  241 HALOGENATED SOLVENTS  253 EMULSIFIED OILS			
<a href="#">277</a>	8 of 9	WSW/291.9	309.0	<b>Rockwell Automation of Canada Inc.CRA Contracting Services 40 Wellington Street City of Guelph ON</b>	PTTW
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		1999 IA9E0727  Instrument OWRA s. 34 - Permit to take water 6/18/99 City of Guelph Rockwell Automation of Canada Inc.CRA Contracting Services, 651 Colby Drive,Waterloo, Ontario, N2V 1C2			
<a href="#">277</a>	9 of 9	WSW/291.9	309.0	<b>2065404 ONTARIO INC. 40 Wellington Street West, Guelph Guelph ON</b>	RSC
Date Submitted: Date Acknowledg.: Date Returned: Certification Date: Soil Type: Restoration Type: Registration #: Stratified (Y/N): Criteria: Consultant: District Office: Intended Prop Use: Current Property Use: Certificate Prop Use #: Applicable Standards:  Legal Description:  Prop. Identification #: Entire legal prop. (y/n): UTM Coordinates: Latitude & Longitude: Accuracy Estimate: Measurement Method: CPU Issued Sect 1686:		25-Nov-05   1-Nov-05   2508   GUELPH Commercial Industrial No CPU Background Site Conditions Standard, with Potable Ground Water, Coarse Textured Soil, for Industrial/Commercial/Community property use with Risk Asses Lots 1 to 11, DONNINTON Street (CLOSED BY JUDGES ORDER # 10W-4790) Plan 272, Lots 2 & 6 PT Lots 1 & PT Block A Plan 136, PT 2,3,4, & 5 61R2943, S/T ROS645144; S/T ROS251502; GUELPH; SUBJECT TO EXECUTION 95-07721, IF ENFORCEABLE.; SUBJECT TO EXECUTION 97-01832, IF ENFORCEABLE 71238-0003 (LT) Yes NAD83 17-561046-4821065 43.54003590N 80.24439620W (converted from UTM) 6 to 10 meters Digitized from a map No			
<a href="#">278</a>	1 of 1	WSW/292.5	308.4	Guelph ON	WWIS

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Well ID:	7210275			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561060			Northing Nad83:	4820994
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	10 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:				Original Depth:	10 ft
Material Colour:	SAND, , SAND			Material:	7 ft
<a href="#">279</a>	1 of 2	WSW/294.5	309.0	<b>Guelph ON</b>	<a href="#">WWIS</a>
Well ID:	7210281			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561043			Northing Nad83:	4821033
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	30 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	20 ft
Material Colour:				Material:	20 ft
+					
Thickness:				Original Depth:	30 ft
Material Colour:	SAND, , SAND			Material:	10 ft
<a href="#">279</a>	2 of 2	WSW/294.5	309.0	<b>Guelph ON</b>	<a href="#">WWIS</a>
Well ID:	7210271			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561044			Northing Nad83:	4821033
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Sec. Water Use:				Well Depth:	18 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	12 ft
Material Colour:				Material:	12 ft
+					
Thickness:				Original Depth:	18 ft
Material Colour:	SAND, , SAND			Material:	6 ft

<a href="#">280</a>	1 of 1	WSW/296.2	309.0	Guelph ON	WWIS
Well ID:	7210262			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561042			Northing Nad83:	4821032
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	10 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:				Original Depth:	10 ft
Material Colour:	SAND, , SAND			Material:	7 ft

<a href="#">281</a>	1 of 2	WSW/299.0	308.0	Guelph ON	WWIS
Well ID:	7210265			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561061			Northing Nad83:	4820976
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	12 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:				Original Depth:	12 ft
Material Colour:	SAND, , SAND			Material:	9 ft

<a href="#">281</a>	2 of 2	WSW/299.0	308.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210267			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561062			Northing Nad83:	4820976
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	33 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	22 ft
Material Colour:				Material:	22 ft
+					
Thickness:				Original Depth:	33 ft
Material Colour:	SAND, , SAND			Material:	11 ft

<a href="#">282</a>	1 of 1	WSW/299.9	308.5	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210279			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561051			Northing Nad83:	4820996
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	19-OCT-13
Sec. Water Use:				Well Depth:	12 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	2 ft
Material Colour:				Material:	2 ft
+					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:				Original Depth:	12 ft
Material Colour:	SAND, , SAND			Material:	10 ft

<a href="#">283</a>	1 of 1	W/441.8	316.0	Surrey St Ewyndham St S Guelph ON	EHS
Order No.:	20131105042				
Report Date:	14-NOV-13				
Report Type:	Standard Report				
Search Radius (km):	.25				
Addit. Info Ordered:					

<a href="#">284</a>	1 of 1	WSW/320.5	306.3	ON	WWIS
Well ID:	6715654			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561093			Northing Nad83:	4820895
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	30-JAN-06
Sec. Water Use:				Well Depth:	2.8 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):	305.89			Elevation Reliability:	
Depth to Bedrock:	6			Overburden/Bedrock:	Mixed in a Layer
Water Type:	FRESH			Casing Material:	Not stated

--- Details ---

Thickness:	BROWN			Original Depth:	1.8 m
Material Colour:	CLAY, SILT, GRAVEL			Material:	.9 m
+					
Thickness:	GREY			Original Depth:	2.8 m
Material Colour:	GRAVEL, SILT, LIMESTONE			Material:	1 m
+					
Thickness:	BROWN			Original Depth:	.9 m
Material Colour:	SAND, GRAVEL, DRY			Material:	.9 m

<a href="#">285</a>	1 of 1	WSW/306.7	309.0	Guelph ON	WWIS
Well ID:	7178982			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561036			Northing Nad83:	4821016
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	15-FEB-12
Sec. Water Use:				Well Depth:	3 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Test Hole
Construction Method:	Boring			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BLACK			Original Depth:	.3 m
Material Colour:	TOPSOIL, FILL, LOOSE			Material:	.3 m
+					
Thickness:	BROWN			Original Depth:	3 m
Material Colour:	SAND, SILT, PACKED			Material:	2.7 m

<a href="#">286</a>	1 of 1	WSW/310.2	309.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210272			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561024			Northing Nad83:	4821046
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	9 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:	GREY			Original Depth:	9 ft
Material Colour:	SAND			Material:	6 ft

<a href="#">287</a>	1 of 5	WSW/344.9	310.9	<b>Alfred Schnurr Electric Company LTD. 64-80 Gordon Street Guelph ON</b>	<b>GEN</b>
Generator #:	ON4398132				
Approval Yrs:	2009				
SIC Code:	238210				
SIC Description:	Electrical Contractors				
--- Details ---					
Waste Code:	213				
Waste Description:	PETROLEUM DISTILLATES				
+					
Waste Code:	252				
Waste Description:	WASTE OILS & LUBRICANTS				

<a href="#">287</a>	2 of 5	WSW/344.9	310.9	<b>Alfred Schnurr Electric Company LTD. 64-80 Gordon Street Guelph ON N1H 4H4</b>	<b>GEN</b>
Generator #:	ON4398132				
Approval Yrs:	04,06,07,08				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code: SIC Description:					
--- Details ---					
		Waste Code:	213		
		Waste Description:	PETROLEUM DISTILLATES		
		+			
		Waste Code:	252		
		Waste Description:	WASTE OILS & LUBRICANTS		
<a href="#">287</a>	3 of 5	WSW/344.9	310.9	Alfred Schnurr Electric Company LTD. 64-80 Gordon Street Guelph ON	GEN
Generator #:					
Approval Yrs:					
SIC Code:					
SIC Description:					
--- Details ---					
		Waste Code:	252		
		Waste Description:	WASTE OILS & LUBRICANTS		
		+			
		Waste Code:	213		
		Waste Description:	PETROLEUM DISTILLATES		
<a href="#">287</a>	4 of 5	WSW/344.9	310.9	Alfred Schnurr Electric Company LTD. 64-80 Gordon Street Guelph ON N1H 4H4	GEN
Generator #:					
Approval Yrs:					
SIC Code:					
SIC Description:					
--- Details ---					
		Waste Code:	252		
		Waste Description:	WASTE OILS & LUBRICANTS		
		+			
		Waste Code:	213		
		Waste Description:	PETROLEUM DISTILLATES		
<a href="#">287</a>	5 of 5	WSW/344.9	310.9	Alfred Schnurr Electric Company LTD. 64-80 Gordon Street Guelph ON	GEN
Generator #:					
Approval Yrs:					
SIC Code:					
SIC Description:					
--- Details ---					
		Waste Code:	213		
		Waste Description:	PETROLEUM DISTILLATES		
		+			
		Waste Code:	252		
		Waste Description:	WASTE OILS & LUBRICANTS		

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">288</a>	1 of 1	WSW/319.5	310.0	<b>Guelph ON</b>	WWIS
Well ID:	7207385			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561008			Northing Nad83:	4821090
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring			Construction Date:	23-AUG-13
Sec. Water Use:				Well Depth:	11 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Auger			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	8 ft
Material Colour:	GRAVEL, SAND, DRY			Material:	8 ft
+					
Thickness:	BROWN			Original Depth:	11 ft
Material Colour:	GRAVEL, SAND, LOOSE			Material:	3 ft

<a href="#">289</a>	1 of 1	WSW/311.2	308.0	<b>Guelph ON</b>	WWIS
Well ID:	7210277			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561052			Northing Nad83:	4820968
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	10 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:				Original Depth:	10 ft
Material Colour:	SAND, , SAND			Material:	7 ft

<a href="#">290</a>	1 of 1	WSW/315.6	309.0	<b>Guelph ON</b>	WWIS
Well ID:	7210280			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561028			Northing Nad83:	4821012

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Zone: Primary Water Use: Sec. Water Use: Pump Rate: Flow Rate: Specific Capacity: Construction Method: Elevation (m): Depth to Bedrock: Water Type:	17			Utm Reliability: margin of error : 30 m - 100 m Construction Date: 09-OCT-13 Well Depth: 10 ft Static Water Level: Clear/Cloudy: Final Well Status: Abandoned-Supply Flowing (y/n): Elevation Reliability: Overburden/Bedrock: Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth: 3 ft	
Material Colour:				Material: 3 ft	
+					
Thickness:				Original Depth: 10 ft	
Material Colour:	SAND, , SAND			Material: 7 ft	
<a href="#">291</a>	1 of 3	W/493.6	317.7	<b>GUELPH, CORPORATION OF THE CITY OF FOUNTAIN ST. &amp; WYNDAM ST., PARKING LOT C/O CITY HALL, 59 CARDEN STREET GUELPH ON N1H 3A1</b>	<b>GEN</b>
Generator #:	ON0349005				
Approval Yrs:	86,87,88,89,90				
SIC Code:	0000				
SIC Description:	*** NOT DEFINED ***				
--- Details ---					
Waste Code:	222				
Waste Description:	HEAVY FUELS				
<a href="#">291</a>	2 of 3	W/493.6	317.7	<b>GUELPH, CORPORATION OF THE CITY OF18-288 FOUNTAIN ST. &amp; WYNDAM ST., PARKING LOT C/O CITY HALL, 59 CARDEN STREET GUELPH ON N1H 3A1</b>	<b>GEN</b>
Generator #:	ON0349005				
Approval Yrs:	94,95,96				
SIC Code:	8371				
SIC Description:	TRANSPORTATION ADMIN				
--- Details ---					
Waste Code:	222				
Waste Description:	HEAVY FUELS				
<a href="#">291</a>	3 of 3	W/493.6	317.7	<b>GUELPH, CORPORATION OF THE CITY OF CORNER FOUNTAIN &amp; WYNDAM STREETS FOUNTAIN STREET PARKING LOT GUELPH ON</b>	<b>GEN</b>
Generator #:	ON0349005				
Approval Yrs:	92,93,97,98,99,00,01				
SIC Code:	8371				
SIC Description:	TRANSPORTATION ADMIN				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
<a href="#">292</a>	1 of 1	WSW/318.0	309.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210274			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561028			Northing Nad83:	4821005
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	4 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	4 ft
Material Colour:				Material:	4 ft
+					
Thickness:				Original Depth:	4 ft
Material Colour:	SAND, , SAND			Material:	0 ft
<a href="#">293</a>	1 of 1	WSW/319.6	308.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210282			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561041			Northing Nad83:	4820971
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	11 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	4 ft
Material Colour:				Material:	4 ft
+					
Thickness:				Original Depth:	11 ft
Material Colour:	SAND, , SAND			Material:	7 ft
<a href="#">294</a>	1 of 14	WSW/340.2	310.4	<b>73 Gordon St Guelph ON N1H 4H5</b>	<b>EHS</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Order No.: 20040105011  Report Date: 1/14/04  Report Type: Complete Report  Search Radius (km): 0.25  Addit. Info Ordered:</p>					
<a href="#">294</a>	2 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
<p>Instance ID:  TSSA Program Area:  Maximum Hazard Rank:  Instance Number: 10770219  Instance Type: FS Liquid Fuel Tank  Status: EXPIRED  Description:</p>					
<a href="#">294</a>	3 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON	EXP
<p>Instance ID: 37278  TSSA Program Area:  Maximum Hazard Rank:  Instance Number: 10770235  Instance Type: FS Liquid Fuel Tank  Status: EXPIRED  Description: FS Liquid Fuel Tank</p>					
<a href="#">294</a>	4 of 14	WSW/340.2	310.4	WELLINGTON ESSO 1990 73 GORDON ST GUELPH ON N1H 4H5	EXP
<p>Instance ID:  TSSA Program Area:  Maximum Hazard Rank:  Instance Number: 9755090  Instance Type: FS Facility  Status: EXPIRED  Description:</p>					
<a href="#">294</a>	5 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON	EXP
<p>Instance ID: 36733  TSSA Program Area:  Maximum Hazard Rank:  Instance Number: 10770259  Instance Type: FS Piping</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Status: Description:		EXPIRED FS Piping			
<a href="#">294</a>	6 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		9941431			
Instance Type:		FS Facility			
Status:		EXPIRED			
Description:					
<a href="#">294</a>	7 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON	EXP
Instance ID:		37837			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770226			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
<a href="#">294</a>	8 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON	EXP
Instance ID:		38397			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770274			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
<a href="#">294</a>	9 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON	EXP
Instance ID:		39334			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770244			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">294</a>	10 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
<p>Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 10770250 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:</p>					
<a href="#">294</a>	11 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
<p>Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 10770266 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:</p>					
<a href="#">294</a>	12 of 14	WSW/340.2	310.4	73 GORDON ST. GUELPH ON	PRT
<p>Location ID: 18275 Type: retail Expiry Date: Capacity (L): Licence #:</p>					
<a href="#">294</a>	13 of 14	WSW/340.2	310.4	WELLINGTON ESSO 1990 73 GORDON ST GUELPH ON	PRT
<p>Location ID: 5610 Type: retail Expiry Date: 1994-03-31 Capacity (L): 10000 Licence #: 0053239001</p>					
<a href="#">294</a>	14 of 14	WSW/340.2	310.4	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIM 73 GORDON ST GUELPH ON	PRT
<p>Location ID: 5610 Type: retail Expiry Date: 1993-08-31</p>					



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Capacity (L):		17971			
Licence #:		0060225001			
<a href="#">295</a>	1 of 4	WSW/340.4	310.3	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
Instance ID:		38448			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770266			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
<a href="#">295</a>	2 of 4	WSW/340.4	310.3	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
Instance ID:		37530			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770250			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
<a href="#">295</a>	3 of 4	WSW/340.4	310.3	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
Instance ID:		38326			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770219			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			
<a href="#">295</a>	4 of 4	WSW/340.4	310.3	GORDON ST ESSO A DIVISION OF 848869 ONTARIO LIMITED 73 GORDON ST GUELPH ON N1H 4H5	EXP
Instance ID:		37278			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770235			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		FS Gasoline Station - Full Serve			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">296</a>	1 of 1	WSW/321.8	307.9	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210263			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561041			Northing Nad83:	4820966
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	21 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Other
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	10 ft
Material Colour:				Material:	10 ft
+					
Thickness:				Original Depth:	21 ft
Material Colour:	SAND, , SAND			Material:	11 ft
<a href="#">297</a>	1 of 1	WSW/348.3	310.9	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:	7041944			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	560979			Northing Nad83:	4821137
Zone:	17			Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:				Construction Date:	19-DEC-06
Sec. Water Use:				Well Depth:	3 m
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Observation Wells
Construction Method:	Other Method			Flowing (y/n):	
Elevation (m):	310.84			Elevation Reliability:	
Depth to Bedrock:	10			Overburden/Bedrock:	Bedrock
Water Type:				Casing Material:	Not stated
--- Details ---					
Thickness:	BROWN			Original Depth:	2.4 m
Material Colour:	SAND, GRAVEL, LOOSE			Material:	.6 m
+					
Thickness:	BROWN			Original Depth:	1.8 m
Material Colour:	SAND, GRAVEL, LOOSE			Material:	1.8 m
+					
Thickness:	GREY			Original Depth:	3 m
Material Colour:	LIMESTONE			Material:	.1 m
+					
Thickness:	BROWN			Original Depth:	2.9 m
Material Colour:	SAND, GRAVEL, DENSE			Material:	.5 m

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">298</a>	1 of 1	WSW/326.7	308.0	<b>Guelph ON</b>	<b>WWIS</b>
Well ID:	7210269			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561035			Northing Nad83:	4820967
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	30 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:				Original Depth:	30 ft
Material Colour:	SAND, , SAND			Material:	9 ft
+					
Thickness:	GREY			Original Depth:	21 ft
Material Colour:				Material:	21 ft
<a href="#">299</a>	1 of 10	W/412.5	314.1	<b>UNION GAS LIMITED GUELPH SERVICE CENTRE 10 SURREY STREET GUELPH ON N1H 6J6</b>	<b>GEN</b>
Generator #:	ON0178217				
Approval Yrs:	88,89,90				
SIC Code:	0711				
SIC Description:	CONV. OIL & GAS IND.				
--- Details ---					
Waste Code:	222				
Waste Description:	HEAVY FUELS				
<a href="#">299</a>	2 of 10	W/412.5	314.1	<b>UNION GAS LIMITED GUELPH SERVICE CENTRE 10 SURREY STREET EAST_ GUELPH ON N1H 3P5</b>	<b>GEN</b>
Generator #:	ON0178217				
Approval Yrs:	98				
SIC Code:	0711				
SIC Description:	CONV. OIL & GAS IND.				
--- Details ---					
Waste Code:	145				
Waste Description:	PAINT/PIGMENT/COATING RESIDUES				
+					
Waste Code:	222				
Waste Description:	HEAVY FUELS				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">299</a>	3 of 10	W/412.5	314.1	UNION GAS LIMITED GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	GEN
Generator #:		ON0178217			
Approval Yrs:		2010			
SIC Code:		221210			
SIC Description:		Natural Gas Distribution			
--- Details ---					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
+					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
<a href="#">299</a>	4 of 10	W/412.5	314.1	UNION GAS LIMITED GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	GEN
Generator #:		ON0178217			
Approval Yrs:		2011			
SIC Code:		221210			
SIC Description:		Natural Gas Distribution			
--- Details ---					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
+					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
<a href="#">299</a>	5 of 10	W/412.5	314.1	UNION GAS LIMITED 39-245 GUELPH SERVICE CENTRE 10 SURREY STREET GUELPH ON N1H 6J6	GEN
Generator #:		ON0178217			
Approval Yrs:		92,93,94,95,96			
SIC Code:		0711			
SIC Description:		CONV. OIL & GAS IND.			
--- Details ---					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
<a href="#">299</a>	6 of 10	W/412.5	314.1	UNION GAS LIMITED 10 SURREY STREET EAST GUELPH SERVICE CENTRE GUELPH ON N1H 3P5	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON0178217			
Approval Yrs:		97			
SIC Code:		0711			
SIC Description:		CONV. OIL & GAS IND.			
--- Details ---					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
<a href="#">299</a>	7 of 10	W/412.5	314.1	UNION GAS LIMITED GUELPH SERVICE CENTER 10 SURREY ST. GUELPH ON N1H 6J6	GEN
Generator #:		ON1078214			
Approval Yrs:		88,89,90			
SIC Code:		0000			
SIC Description:		*** NOT DEFINED ***			
<a href="#">299</a>	8 of 10	W/412.5	314.1	UNION GAS LIMITED 39-245 GUELPH SERVICE CENTER 10 SURREY ST. GUELPH ON N1H 6J6	GEN
Generator #:		ON1078214			
Approval Yrs:		92,93,94			
SIC Code:		0000			
SIC Description:		*** NOT DEFINED ***			
<a href="#">299</a>	9 of 10	W/412.5	314.1	UNION GAS LIMITED GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 3P5	GEN
Generator #:		ON0178217			
Approval Yrs:		2009			
SIC Code:		221210			
SIC Description:		Natural Gas Distribution			
--- Details ---					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		222			
Waste Description:		HEAVY FUELS			
<a href="#">299</a>	10 of 10	W/412.5	314.1	UNION GAS LIMITED GUELPH SERVICE CENTRE 10 SURREY STREET EAST GUELPH ON N1H 6J6	GEN

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Generator #:		ON0178217			
Approval Yrs:		99,00,01,02,03,04,07,08			
SIC Code:		0711			
SIC Description:		CONV. OIL & GAS IND.			
--- Details ---					
Waste Code:		121			
Waste Description:		ALKALINE WASTES - HEAVY METALS			
+					
Waste Code:		145			
Waste Description:		PAINT/PIGMENT/COATING RESIDUES			
+					
Waste Code:		222			
Waste Description:		HEAVY FUELS			

<a href="#">300</a>	1 of 1	WSW/331.0	309.0	Guelph ON	WWIS
Well ID:	7210270			Lot:	
Concession:				Concession Name:	
County:	WELLINGTON			Municipality:	GUELPH CITY
Easting Nad83:	561007			Northing Nad83:	4821028
Zone:	17			Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:				Construction Date:	09-OCT-13
Sec. Water Use:				Well Depth:	9 ft
Pump Rate:				Static Water Level:	
Flow Rate:				Clear/Cloudy:	
Specific Capacity:				Final Well Status:	Abandoned-Supply
Construction Method:				Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	
--- Details ---					
Thickness:	GREY			Original Depth:	3 ft
Material Colour:				Material:	3 ft
+					
Thickness:				Original Depth:	9 ft
Material Colour:	SAND			Material:	6 ft

<a href="#">301</a>	1 of 2	WSW/370.3	312.0	ALFRED SCHNURR ELECTRIC CO. LTD. 64 GORDON STREET GUELPH ON N1H 4M4	GEN
Generator #:		ON2549000			
Approval Yrs:		00,01			
SIC Code:		3199			
SIC Description:		OTHER MACHINERY			
--- Details ---					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		252			
Waste Description:		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">301</a>	2 of 2	WSW/370.3	312.0	<b>Schnurr Electric Company Ltd. 64 Gordon St Guelph ON N1H 4H4</b>	<b>SCT</b>
Established:		01-SEP-44			
Plant Size (ft²):					
Employment:					
--- Details ---					
SIC/NAICS Code:		417230			
Description:		Industrial Machinery, Equipment and Supplies Wholesaler-Distributors			
+					
SIC/NAICS Code:		416110			
Description:		Electrical Wiring and Construction Supplies Wholesaler-Distributors			
<a href="#">302</a>	1 of 1	WSW/334.3	307.7	<b>GUELPH ON</b>	<b>WWIS</b>
Well ID:		7210264		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		561029		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:				4820962	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				09-OCT-13	
Construction Method:				Well Depth:	
Elevation (m):				12 ft	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
---		---		Final Well Status:	
Thickness:		GREY		Abandoned-Other	
Material Colour:				Flowing (y/n):	
+				Elevation Reliability:	
Thickness:				Overburden/Bedrock:	
Material Colour:		SAND		Casing Material:	
<a href="#">303</a>	1 of 7	NNE/488.1	312.1	<b>Standard Brass &amp; Aluminum Foundry Ltd 550 York Road Guelph ON N1E3J4</b>	<b>NPRI</b>
NPRI #:		0000010418			
Year:		2007			
Longitude:		-80.2224			
Latitude:		43.5537			
--- Details ---					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Aluminum (fume or dust)			
+					
Air:					
Water:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:		Copper (and its compounds)			
+					
Air:		4.06			
Water:					
Land:					
Units:		kg			
Substances Released:		Lead (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Zinc (and its compounds)			

<a href="#">303</a>	2 of 7	NNE/488.1	312.1	Standard Brass & Aluminum Foundry Ltd 550 York Road Guelph ON N1E3J4	NPRI
NPRI #:		0000010418			
Year:		2009			
Longitude:		-80.2224			
Latitude:		43.5537			
--- Details ---					
Air:		3.85			
Water:					
Land:					
Units:		kg			
Substances Released:		Lead (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Aluminum (fume or dust)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Copper (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Zinc (and its compounds)			

<a href="#">303</a>	3 of 7	NNE/488.1	312.1	Standard Brass & Aluminum Foundry Ltd. 550 York Rd. Guelph ON N1E 5T6	NPRI
NPRI #:		0000010418			
Year:		2002			
Longitude:		-80.2224			
Latitude:		43.5537			

--- Details ---



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Air:		.005			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Ethylene glycol			
+					
Air:		.095			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Nitrogen oxides (expressed as NO2)			
+					
Air:		.007			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM2.5 - Particulate Matter <= 2.5 Microns			
+					
Air:		.08			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Carbon monoxide			
+					
Air:		.01			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Sulphur dioxide			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Phosphorus (yellow or white)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Antimony (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Manganese (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Aluminum (fume or dust)			
+					
Air:					
Water:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:		Nickel (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Chromium (and its compounds)			
+					
Air:		24.4			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Copper (and its compounds)			
+					
Air:		1483			
Water:					
Land:					
Units:		kg			
Substances Released:		Lead (and its compounds)			
+					
Air:		2			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Zinc (and its compounds)			
+					
Air:		.007			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM - Total Particulate Matter			
+					
Air:		.007			
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			

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NNE/488.1

312.1

**Standard Brass & Aluminum Foundry Ltd**  
**550 York Road**  
**Guelph ON N1E3J4**

[NPRI](#)

NPRI #: 0000010418  
Year: 2006  
Longitude: -80.2224  
Latitude: 43.5537

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Aluminum (fume or dust)  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Copper (and its compounds)

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+					
Air:		4.3			
Water:					
Land:					
Units:		kg			
Substances Released:		Lead (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Zinc (and its compounds)			

[303](#)    5 of 7    **NNE/488.1**    312.1    **Standard Brass & Aluminum Foundry Ltd**    **NPRI**  
**550 York Road**  
**Guelph ON N1E3J4**

NPRI #: 0000010418  
Year: 2004  
Longitude: -80.2224  
Latitude: 43.5537

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Oxides of nitrogen (expressed as NO)

+

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

+

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

+

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

+

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

+

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

+

Air:  
Water:

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Land:					
Units:		tonnes			
Substances Released:		HFC-134a Hydrofluorocarbon			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Methane			
+					
Air:		.001			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Iron (and its compounds)			
+					
Air:		.003			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Tin (and its compounds)			
+					
Air:		3.88			
Water:					
Land:					
Units:		kg			
Substances Released:		Lead (and its compounds)			
+					
Air:		.145			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Copper (and its compounds)			
+					
Air:		.015			
Water:					
Land:					
Units:		tonnes			
Substances Released:		Zinc (and its compounds)			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM - Total Particulate Matter			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		PM10 - Particulate Matter <= 10 Microns			
+					
Air:					
Water:					
Land:					
Units:		tonnes			
Substances Released:		Volatile Organic Compounds (VOCs)			

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NNE/488.1

312.1

Standard Brass & Aluminum Foundry Ltd  
550 York Road  
Guelph ON N1E3J4

NPRI

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Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

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

NPRI #: 0000010418  
Year: 2005  
Longitude: -80.2224  
Latitude: 43.5537

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Aluminum (fume or dust)  
+  
Air: 4.7  
Water:  
Land:  
Units: kg  
Substances Released: Lead (and its compounds)  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Copper (and its compounds)  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Zinc (and its compounds)

[303](#)      7 of 7      NNE/488.1      312.1      **Standard Brass & Aluminum Foundry Ltd**      NPRI  
550 York Road  
Guelph ON N1E3J4

NPRI #: 0000010418  
Year: 2008  
Longitude: -80.2224  
Latitude: 43.5537

--- Details ---

Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Aluminum (fume or dust)  
+  
Air:  
Water:  
Land:  
Units: tonnes  
Substances Released: Copper (and its compounds)  
+  
Air: 3.74  
Water:  
Land:  
Units: kg  
Substances Released: Lead (and its compounds)  
+  
Air:  
Water:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Land:					
Units:		tonnes			
Substances Released:		Zinc (and its compounds)			

**304**      **1 of 1**                      **WSW/339.1**      **307.0**                      **ON**                      **WWIS**

Well ID:	6713403	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	561037	Northing Nad83:	4820938
Zone:	17	Utm Reliability:	margin of error : 10 - 30 m
Primary Water Use:	Not Used	Construction Date:	23-FEB-00
Sec. Water Use:		Well Depth:	80 ft
Pump Rate:	2 GPM	Static Water Level:	11 ft
Flow Rate:		Clear/Cloudy:	CLEAR
Specific Capacity:		Final Well Status:	Water Supply
Construction Method:	Rotary (Convent.)	Flowing (y/n):	N
Elevation (m):	306.49	Elevation Reliability:	
Depth to Bedrock:	20	Overburden/Bedrock:	Bedrock
Water Type:	SULPHUR	Casing Material:	FRESH, Not stated

--- Details ---

Thickness:	BROWN	Original Depth:	80 ft
Material Colour:	LIMESTONE, HARD	Material:	53 ft
+			
Thickness:	BROWN	Original Depth:	27 ft
Material Colour:	LIMESTONE	Material:	7 ft
+			
Thickness:	BROWN	Original Depth:	8 ft
Material Colour:	FILL	Material:	8 ft
+			
Thickness:	BROWN	Original Depth:	20 ft
Material Colour:	SAND, COARSE GRAVEL	Material:	12 ft

**305**      **1 of 1**                      **WSW/345.6**      **309.3**                      **Guelph ON**                      **WWIS**

Well ID:	7207384	Lot:	
Concession:		Concession Name:	
County:	WELLINGTON	Municipality:	GUELPH CITY
Easting Nad83:	560990	Northing Nad83:	4821036
Zone:	17	Utm Reliability:	margin of error : 30 m - 100 m
Primary Water Use:	Monitoring	Construction Date:	23-AUG-13
Sec. Water Use:		Well Depth:	10 ft
Pump Rate:		Static Water Level:	
Flow Rate:		Clear/Cloudy:	
Specific Capacity:		Final Well Status:	Observation Wells
Construction Method:	Auger	Flowing (y/n):	
Elevation (m):		Elevation Reliability:	
Depth to Bedrock:		Overburden/Bedrock:	
Water Type:		Casing Material:	Not stated

--- Details ---

Thickness:	BROWN	Original Depth:	6 ft
Material Colour:	GRAVEL, SAND, DRY	Material:	6 ft

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
+ Thickness: BROWN Original Depth: 10 ft Material Colour: GRAVEL, SAND, LOOSE Material: 4 ft					
<a href="#">306</a>	1 of 8	W/447.1	316.1	CENTRAL AUTO SUPPLY GUELPH INC 27 FOUNTAIN STREET GUELPH ON N1H3N5	GEN
Generator #: ON2904573 Approval Yrs: As of April 2014 SIC Code: SIC Description:					
--- Details --- Waste Code: 251 Waste Description: Waste oils/sludges (petroleum based) + Waste Code: 212 Waste Description: Aliphatic solvents and residues					
<a href="#">306</a>	2 of 8	W/447.1	316.1	CENTRAL AUTO SUPPLY GUELPH INC 27 FOUNTAIN STREET GUELPH ON	GEN
Generator #: ON2904573 Approval Yrs: 2009 SIC Code: 441310 SIC Description: Automotive Parts and Accessories Stores					
--- Details --- Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS + Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
<a href="#">306</a>	3 of 8	W/447.1	316.1	CENTRAL AUTO SUPPLY GUELPH INC 27 FOUNTAIN STREET GUELPH ON	GEN
Generator #: ON2904573 Approval Yrs: 06 SIC Code: 441310 SIC Description: Automotive Parts and Accessories Stores					
--- Details --- Waste Code: 212 Waste Description: ALIPHATIC SOLVENTS + Waste Code: 251 Waste Description: OIL SKIMMINGS & SLUDGES					
<a href="#">306</a>	4 of 8	W/447.1	316.1	CENTRAL AUTO SUPPLY GUELPH INC 27 FOUNTAIN STREET GUELPH ON	GEN
Generator #: ON2904573 Approval Yrs: 2011					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		441310			
SIC Description:		Automotive Parts and Accessories Stores			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
<a href="#">306</a>	5 of 8	W/447.1	316.1	<b>CENTRAL AUTO SUPPLY GUELPH INC 27 FOUNTAIN STREET GUELPH ON</b>	GEN
Generator #:		ON2904573			
Approval Yrs:		2012			
SIC Code:		441310			
SIC Description:		Automotive Parts and Accessories Stores			
--- Details ---					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">306</a>	6 of 8	W/447.1	316.1	<b>CENTRAL AUTO SUPPLY (GUELPH) LTD. 08-598 27 FOUNTAIN ST. E. GUELPH ON N1H 3N5</b>	GEN
Generator #:		ON1274700			
Approval Yrs:		92,93,94,95,96,97,98			
SIC Code:		3251			
SIC Description:		VEHICLE ENGINE IND.			
--- Details ---					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
<a href="#">306</a>	7 of 8	W/447.1	316.1	<b>CENTRAL AUTO SUPPLY GUELPH INC 27 FOUNTAIN STREET GUELPH ON</b>	GEN
Generator #:		ON2904573			
Approval Yrs:		2010			
SIC Code:		441310			
SIC Description:		Automotive Parts and Accessories Stores			
--- Details ---					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">306</a>	8 of 8	W/447.1	316.0	<b>CENTRAL AUTO SUPPLY GUELPH INC 27 FOUNTAIN STREET GUELPH ON</b>	GEN



<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
Generator #:		ON2904573			
Approval Yrs:		2013			
SIC Code:		441310			
SIC Description:		AUTOMOTIVE PARTS AND ACCESSORIES STORES			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
<a href="#">307</a>	1 of 5	WSW/369.5	311.0	<b>The Corporation of the City of Guelph 65 Gordon St Guelph ON N1H 4H5</b>	<a href="#">SPL</a>
Ref No.:		7865-826KNW			
Incident Dt:					
MOE Reported Dt:		1/29/2010			
Contaminant Name:		SEWAGE,RAW UNCHLORINATED			
Contaminant Quantity:		0 other - see incident description			
Incident Summary:		Sewage back up to storm sewer			
Incident Cause:		Unknown			
Incident Reason:		Spill			
Nature of Impact:		Soil Contamination; Surface Water Pollution			
Receiving Medium:					
Environmental Impact:		Not Anticipated			
<a href="#">307</a>	2 of 5	WSW/369.5	311.0	<b>The Corporation of the City of Guelph 65 Gordon Street, Guelph Guelph ON N1H 4H5</b>	<a href="#">SPL</a>
Ref No.:		1142-6BCPNG			
Incident Dt:		4/11/2005			
MOE Reported Dt:		4/11/2005			
Contaminant Name:		COOKING GREASE			
Contaminant Quantity:					
Incident Summary:		McDonalds: 200 L cooking grease to asphalt			
Incident Cause:		Pipe Or Hose Leak			
Incident Reason:					
Nature of Impact:		Soil Contamination			
Receiving Medium:		Land			
Environmental Impact:		Not Anticipated			
<a href="#">307</a>	3 of 5	WSW/369.5	311.0	<b>McDonald's Restaurants of Canada Limited 65 Gordon St., Guelph ON N1H 4H5</b>	<a href="#">SPL</a>
Ref No.:		1733-755Q2J			
Incident Dt:					
MOE Reported Dt:		7/15/2007			
Contaminant Name:		GREASE (N.O.S.)			
Contaminant Quantity:		40 L			
Incident Summary:		McDonalds - 40L of grease to grnd & c/b- con't			
Incident Cause:		Other Discharges			
Incident Reason:		Material Failure - Poor design or substandard materials			
Nature of Impact:		Soil Contamination			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB	
Receiving Medium: Environmental Impact:		Land Confirmed				
<a href="#">307</a>	4 of 5	WSW/369.5	311.0	65 Gordon St (McDonalds Restaurant) Guelph ON	SPL	
Ref No.:		4541-89WH73				
Incident Dt:						
MOE Reported Dt:		10/4/2010				
Contaminant Name:		SEWAGE,RAW UNCHLORINATED				
Contaminant Quantity:		0 other - see incident description				
Incident Summary:		McDonalds: Sewage surcharge from manhole to cb; clnd.				
Incident Cause:		Other Discharges				
Incident Reason:		Spill				
Nature of Impact:		Other Impact(s)				
Receiving Medium:						
Environmental Impact:		Not Anticipated				
<a href="#">307</a>	5 of 5	WSW/369.5	311.0	McDonald's Restaurants of Canada Limited 65 Gordon Street Guelph ON N1H 4H5	SPL	
Ref No.:		1101-7XGRTJ				
Incident Dt:						
MOE Reported Dt:		11/4/2009				
Contaminant Name:		GREASE (N.O.S.)				
Contaminant Quantity:		10 L				
Incident Summary:		McDonalds, overflowing grease trap to catchbasin, 10 L				
Incident Cause:						
Incident Reason:						
Nature of Impact:		Soil Contamination				
Receiving Medium:						
Environmental Impact:						
<a href="#">308</a>	1 of 1	WSW/352.7	308.0	Guelph ON	WWIS	
Well ID:		7210310		Lot:		
Concession:				Concession Name:		
County:		WELLINGTON		Municipality:		
Easting Nad83:		560998		GUELPH CITY		
Zone:		17		Northing Nad83:		
Primary Water Use:				4820986		
Sec. Water Use:				Utm Reliability:		
Pump Rate:				margin of error : 30 m - 100 m		
Flow Rate:				Construction Date:		
Specific Capacity:				09-OCT-13		
Construction Method:				Well Depth:		
Elevation (m):				10 ft		
Depth to Bedrock:				Static Water Level:		
Water Type:				Clear/Cloudy:		
---		---		Final Well Status:		
Thickness:		GREY		Abandoned-Supply		
Material Colour:				Flowing (y/n):		
---		---		Elevation Reliability:		
+		+		Overburden/Bedrock:		
				Casing Material:		
				Original Depth:		
				4 ft		
				Material:		
				4 ft		

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Thickness:				Original Depth:	10 ft
Material Colour:		SAND, , SAND	Material:		6 ft
<a href="#">309</a>	1 of 1	W/412.2	313.3	<b>Enterprise Rent A Car Canada Company 56 Gordon Street Guelph ON</b>	GEN
Generator #:		ON6796511			
Approval Yrs:		2013			
SIC Code:		532111			
SIC Description:					
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">310</a>	1 of 4	W/414.9	313.4	<b>MAPLE AYR ENTERPRISES LTD. 56 GORDON STREET GUELPH ON N1H 4H3</b>	GEN
Generator #:		ON2570100			
Approval Yrs:		00,01			
SIC Code:		9921			
SIC Description:		AUTO./TRUCK RENTAL			
--- Details ---					
Waste Code:		150			
Waste Description:		INERT INORGANIC WASTES			
<a href="#">310</a>	2 of 4	W/414.9	313.4	<b>Enterprise Rent A Car Canada Company 56 Gordon Street Guelph ON</b>	GEN
Generator #:		ON6796511			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		251			
Waste Description:		Waste oils/sludges (petroleum based)			
<a href="#">310</a>	3 of 4	W/414.9	313.4	<b>Maple Ayr Enterprises Ltd 56 Gordon St Guelph ON N1H 4H3</b>	GEN
Generator #:		ON5724481			
Approval Yrs:		03,04			
SIC Code:					
SIC Description:					
<a href="#">310</a>	4 of 4	W/414.9	313.4	<b>everton enterprises inc 56 gordon st guelph ON N1H 4H3</b>	GEN
Generator #:		ON8888314			
Approval Yrs:		04			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		448150			
SIC Description:		Clothing Accessories Stores			
<a href="#">311</a>	1 of 1	WSW/399.5	310.1	15 Surrey Street and 49 Gordon Street Guelph ON	EHS
Order No.:		20070523005			
Report Date:		5/31/2007			
Report Type:		CAN - Complete Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">312</a>	1 of 3	NNE/459.4	311.0	NASALI HOLDINGS LTD 587 YORK RD GUELPH ON N1E 3J3	FST
Instance Number:		64506249			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		100000			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Double Wall UST			
Install Year:		2010			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Type:		FS Liquid Fuel Tank			
<a href="#">312</a>	2 of 3	NNE/459.4	311.0	NASALI HOLDINGS LTD 587 YORK RD GUELPH ON N1E 3J3	FST
Instance Number:		64506250			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Diesel			
Status:		Active			
Capacity:		50000			
Tank Material:		Fiberglass (FRP)			
Corrosion Protection:		Fiberglass			
Tank Type:		Double Wall UST			
Install Year:		2010			
Parent Facility Type:		FS Gasoline Station - Self Serve			
Facility Type:		FS Liquid Fuel Tank			
<a href="#">312</a>	3 of 3	NNE/459.4	311.0	ESSO ON YORK 587 YORK RD GUELPH ON N1E3J3	RST
Facility Description:		SERVICE STATIONS GASOLINE OIL & NATURAL			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">313</a>	1 of 1	NNE/487.3	311.0	STRAUSS FUELS INC. CORNER OF YORK & WELLS STREET GUELPH GUELPH CITY ON	SPL

Ref No.: 83952  
 Incident Dt: 4/12/1993  
 MOE Reported Dt: 4/12/1993  
 Contaminant Name:  
 Contaminant Quantity:  
 Incident Summary: STRAUSS FUELS INC. - 50L FURNACE OIL TO LAND FROM BROKEN TANKER HOSE.  
 Incident Cause: PIPE/HOSE LEAK  
 Incident Reason: UNKNOWN  
 Nature of Impact:  
 Receiving Medium: LAND  
 Environmental Impact: NOT ANTICIPATED

<a href="#">314</a>	1 of 1	NNE/466.3	311.0	DURACHEM 587 YORK RD. POOL SUPPLY GUELPH CITY ON N1E 3J3	SPL
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Ref No.: 37410  
 Incident Dt: 7/7/1990  
 MOE Reported Dt: 7/7/1990  
 Contaminant Name:  
 Contaminant Quantity:  
 Incident Summary: DURACHEM - 4000 LTR POOL SHOCK (10 % CL) TO FIELD.  
 Incident Cause: ABOVE-GROUND TANK LEAK  
 Incident Reason: MATERIAL FAILURE  
 Nature of Impact: Soil contamination  
 Receiving Medium: LAND  
 Environmental Impact: POSSIBLE

<a href="#">315</a>	1 of 1	WSW/386.8	310.0	25 WELLINGTON ST W, GUELPH ON	PINC
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Incident ID:  
 Tank Status: RC Established  
 Attribute Category: Excavation practices not sufficient  
 Task Number: 5075689  
 SR Type: FS-Pipeline Incident  
 Incident Number: 1422726  
 Status Code: Pipeline Damage Reason Est  
 Summary: 25 WELLINGTON ST W, GUELPH - PIPELINE HIT - 1"  
 Spills Action Centre:  
 Reported By: Steve Harrison - Union Gas  
 Affiliation:  
 Method Details: E-mail  
 Fuel Category: Natural Gas  
 Fuel Occurrence Type:  
 Date of Occurrence:  
 Occurrence Start Date: 2014/07/16  
 Health Impact:  
 Occurrence Desc:  
 Environment Impact:  
 Property Damage: No  
 Service Interrupt:  
 Fuel Type:

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
Enforce Policy: Yes Operation Type: Damage Reason: FS-Perform P-line Inc Invest Public Relation: Pipeline System: Pipeline Type: Depth: Pipe Material: Regualtor Location: PSIG: Regulator Type: Notes:					
<a href="#">316</a>	1 of 6	W/445.4	314.3	<b>Budget Car Inc. 42 Gordon Street Guelph ON</b>	GEN
Generator #: ON9880845 Approval Yrs: As of April 2014 SIC Code: SIC Description:					
--- Details ---					
Waste Code: 251					
Waste Description: Waste oils/sludges (petroleum based)					
<a href="#">316</a>	2 of 6	W/445.4	314.3	<b>Budget Car Inc. 42 Gordon Street Guelph ON N1H 4H3</b>	GEN
Generator #: ON9880845 Approval Yrs: 2011 SIC Code: 441220 SIC Description: Motorcycle Boat and Other Motor Vehicle Dealers					
--- Details ---					
Waste Code: 251					
Waste Description: OIL SKIMMINGS & SLUDGES					
<a href="#">316</a>	3 of 6	W/445.4	314.3	<b>Budget Car Inc. 42 Gordon Street Guelph ON N1H 4H3</b>	GEN
Generator #: ON9880845 Approval Yrs: 2012 SIC Code: 441220 SIC Description: Motorcycle Boat and Other Motor Vehicle Dealers					
--- Details ---					
Waste Code: 251					
Waste Description: OIL SKIMMINGS & SLUDGES					
<a href="#">316</a>	4 of 6	W/445.4	314.3	<b>Budget Car Inc. 42 Gordon Street Guelph ON N1H 4H3</b>	GEN
Generator #: ON9880845 Approval Yrs: 2010					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		441220			
SIC Description:		Motorcycle Boat and Other Motor Vehicle Dealers			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">316</a>	5 of 6	W/445.4	314.3	<b>Budget Car Inc. 42 Gordon Street Guelph ON N1H 4H3</b>	GEN
Generator #:		ON9880845			
Approval Yrs:		2009			
SIC Code:		441220			
SIC Description:		Motorcycle Boat and Other Motor Vehicle Dealers			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">316</a>	6 of 6	W/445.4	314.3	<b>Budget Car Inc. 42 Gordon Street Guelph ON</b>	GEN
Generator #:		ON9880845			
Approval Yrs:		2013			
SIC Code:		441220			
SIC Description:		MOTORCYCLE, BOAT AND OTHER MOTOR VEHICLE DEALERS			
--- Details ---					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
<a href="#">317</a>	1 of 1	WSW/384.7	308.0	<b>Guelph ON</b>	WWIS
Well ID:		7207382		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		560972		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Monitoring		4820965	
Sec. Water Use:				Utm Reliability:	
Pump Rate:				margin of error : 30 m - 100 m	
Flow Rate:				Construction Date:	
Specific Capacity:				23-AUG-13	
Construction Method:		Auger		Well Depth:	
Elevation (m):				10 ft	
Depth to Bedrock:				Static Water Level:	
Water Type:				Clear/Cloudy:	
				Final Well Status:	
				Observation Wells	
				Flowing (y/n):	
				Elevation Reliability:	
				Overburden/Bedrock:	
				Casing Material:	
				Not stated	
--- Details ---					
Thickness:		BROWN		Original Depth:	
Material Colour:		GRAVEL, SAND, WATER-BEARING		7 ft	
+				Material:	
Thickness:		BROWN		7 ft	
Material Colour:		GRAVEL, SAND, LOOSE		Original Depth:	
				10 ft	
				Material:	
				3 ft	

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">318</a>	1 of 9	WSW/423.4	310.5	<b>KING CLEANERS 49 GORDON ST. GUELPH ON N1H 4H2</b>	23-234 <b>GEN</b>
Generator #:		ON0790500			
Approval Yrs:		94,95			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">318</a>	2 of 9	WSW/423.4	310.5	<b>930842 ONTARIO LIMITED O/A KING CLEANERS 49 GORDON STREET GUELPH ON N1H 4H2</b>	<b>GEN</b>
Generator #:		ON0790500			
Approval Yrs:		2011			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">318</a>	3 of 9	WSW/423.4	310.5	<b>930842 ONTARIO LIMITED O/A KING CLEANERS 49 GORDON STREET GUELPH ON N1H 4M2</b>	<b>GEN</b>
Generator #:		ON0790500			
Approval Yrs:		92,93,96,97,98,99,00,01,02,03,04,05,06,07,08			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANER			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">318</a>	4 of 9	WSW/423.4	310.5	<b>930842 ONTARIO LIMITED O/A KING CLEANERS 49 GORDON STREET GUELPH ON N1H 4M2</b>	<b>GEN</b>
Generator #:		ON0790500			
Approval Yrs:		2012			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">318</a>	5 of 9	WSW/423.4	310.5	<b>930842 ONTARIO LIMITED O/A KING CLEANERS 49 GORDON STREET</b>	<b>GEN</b>



Map Key	Number of Records	Direction/Distance m	Elevation m	Site	DB
<b>GUELPH ON N1H 4H2</b>					
Generator #:		ON0790500			
Approval Yrs:		2009			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">318</a>	6 of 9	WSW/423.4	310.5	<b>930842 ONTARIO LIMITED O/A KING CLEANERS 49 GORDON STREET GUELPH ON N1H 4H2</b>	<b>GEN</b>
Generator #:		ON0790500			
Approval Yrs:		2010			
SIC Code:		812320			
SIC Description:		Dry Cleaning and Laundry Services (except Coin-Operated)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">318</a>	7 of 9	WSW/423.4	310.5	<b>930842 ONTARIO LIMITED O/A KING CLEANERS 49 GORDON STREET GUELPH ON N1H 4H2</b>	<b>GEN</b>
Generator #:		ON0790500			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		212			
Waste Description:		Aliphatic solvents and residues			
+					
Waste Code:		241			
Waste Description:		Halogenated solvents and residues			
<a href="#">318</a>	8 of 9	WSW/423.4	310.5	<b>KING CLEANERS 49 GORDON ST. GUELPH ON N1H 4H2</b>	<b>GEN</b>
Generator #:		ON0790500			
Approval Yrs:		86,87,88,89,90			
SIC Code:		9721			
SIC Description:		POWER LAUND./CLEANERS			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
<a href="#">318</a>	9 of 9	WSW/423.4	310.5	<b>930842 ONTARIO LIMITED O/A KING CLEANERS 49 GORDON STREET</b>	<b>GEN</b>

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<b>GUELPH ON</b>					
Generator #:		ON0790500			
Approval Yrs:		2013			
SIC Code:		812320			
SIC Description:		DRY CLEANING AND LAUNDRY SERVICES (EXCEPT COIN-OPERATED)			
--- Details ---					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		212			
Waste Description:		ALIPHATIC SOLVENTS			
<a href="#">319</a>	1 of 1	W/446.8	313.8	42 Gordon Street Guelph ON N1H 4H3	EHS
Order No.:		20081031010			
Report Date:		11/10/2008			
Report Type:		Standard Report			
Search Radius (km):		0.25			
Addit. Info Ordered:					
<a href="#">320</a>	1 of 3	WSW/427.3	310.0	Oriental Healing Arts Research Inc. 15 Surrey St West Unit 3A Guelph ON N1H 3R3	GEN
Generator #:		ON7835931			
Approval Yrs:		04			
SIC Code:		621390			
SIC Description:		Offices of All Other Health Practitioners			
<a href="#">320</a>	2 of 3	WSW/427.3	310.0	Guelph Cat Clinic professional corporation 15 Surrey Street West Guelph ON	GEN
Generator #:		ON8913993			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		312			
Waste Description:		Pathological wastes			
+					
Waste Code:		261			
Waste Description:		Pharmaceuticals			
<a href="#">320</a>	3 of 3	WSW/427.3	310.0	Guelph Cat Clinic professional corporation 15 Surrey Street West Guelph ON	GEN
Generator #:		ON8913993			
Approval Yrs:		2013			
SIC Code:		541940			
SIC Description:		VETERINARY SERVICES			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Waste Code:	261			
	Waste Description:	PHARMACEUTICALS			
	+				
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
<a href="#">321</a>	1 of 3	WSW/453.7	312.1	810136 ONT LTD 35 GORDON ST GUELPH ON N1H 4H2	EXP
	Instance ID:	38444			
	TSSA Program Area:				
	Maximum Hazard Rank:				
	Instance Number:	10770175			
	Instance Type:	FS Liquid Fuel Tank			
	Status:	EXPIRED			
	Description:	FS Gasoline Station - Full Serve			
<a href="#">321</a>	2 of 3	WSW/453.7	312.1	810136 ONT LTD 35 GORDON ST GUELPH ON N1H 4H2	EXP
	Instance ID:	37522			
	TSSA Program Area:				
	Maximum Hazard Rank:				
	Instance Number:	10770160			
	Instance Type:	FS Liquid Fuel Tank			
	Status:	EXPIRED			
	Description:	FS Gasoline Station - Full Serve			
<a href="#">321</a>	3 of 3	WSW/453.7	312.1	810136 ONT LTD 35 GORDON ST GUELPH ON N1H 4H2	EXP
	Instance ID:	38668			
	TSSA Program Area:				
	Maximum Hazard Rank:				
	Instance Number:	10770193			
	Instance Type:	FS Liquid Fuel Tank			
	Status:	EXPIRED			
	Description:	FS Gasoline Station - Full Serve			
<a href="#">322</a>	1 of 9	WSW/455.3	312.2	810136 ONTARIO LTD. 35 GORDON STREET GUELPH CITY ON N1H 4H2	CA
	Certificate #:	8-2009-95-			
	Application Year:	95			
	Issue Date:	3/2/1995			
	Approval Type:	Industrial air			
	Status:	Approved			
	Application Type:				
	Client Name:				
	Client Address:				

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<p>Client City: Client Postal Code: Project Description: WASTE OIL FURNACE MODEL CB-2000 Contaminants: Suspended Particulate Matter, Sulphur Dioxide, Nitrogen Oxides, Zinc Emission Control: No Controls</p>					
<a href="#">322</a>	2 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON N1H 4H2	EXP
<p>Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 10770175 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:</p>					
<a href="#">322</a>	3 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON	EXP
<p>Instance ID: 38393 TSSA Program Area: Maximum Hazard Rank: Instance Number: 10770184 Instance Type: FS Piping Status: EXPIRED Description: FS Piping</p>					
<a href="#">322</a>	4 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON N1H 4H2	EXP
<p>Instance ID: TSSA Program Area: Maximum Hazard Rank: Instance Number: 10770193 Instance Type: FS Liquid Fuel Tank Status: EXPIRED Description:</p>					
<a href="#">322</a>	5 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON	EXP
<p>Instance ID: 384285 TSSA Program Area: Maximum Hazard Rank: Instance Number: 9585620 Instance Type: FS Facility Status: EXPIRED Description: FS Gasoline Station - Full Serve</p>					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">322</a>	6 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON	EXP
Instance ID:		38019			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770201			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
<a href="#">322</a>	7 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON	EXP
Instance ID:		36729			
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770169			
Instance Type:		FS Piping			
Status:		EXPIRED			
Description:		FS Piping			
<a href="#">322</a>	8 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON N1H 4H2	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Instance Number:		10770160			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:					
<a href="#">322</a>	9 of 9	WSW/455.3	312.2	810136 ONT LTD 35 GORDON ST GUELPH ON N1H4H2	PRT
Location ID:		5609			
Type:		retail			
Expiry Date:		1995-09-30			
Capacity (L):		49900			
Licence #:		0026683001			
<a href="#">323</a>	1 of 17	WSW/444.8	310.0	Guelph GI & Surgery Clinic 105-21 Surrey St.W Guelph ON N1H 3R3	GEN
Generator #:		ON3526337			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
	Waste Code:	312			
	Waste Description:	Pathological wastes			
	+				
	Waste Code:	261			
	Waste Description:	Pharmaceuticals			
<a href="#">323</a>	2 of 17	WSW/444.8	310.0	<b>Guelph GI &amp; Surgery Clinic 105-21 Surrey St.W Guelph ON N1H 3R3</b>	GEN
	Generator #:	ON3526337			
	Approval Yrs:	2010			
	SIC Code:	621110			
	SIC Description:	Offices of Physicians			
--- Details ---					
	Waste Code:	261			
	Waste Description:	PHARMACEUTICALS			
	+				
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
<a href="#">323</a>	3 of 17	WSW/444.8	310.0	<b>Guelph GI &amp; Surgery Clinic 105-21 Surrey St.W Guelph ON N1H 3R3</b>	GEN
	Generator #:	ON3526337			
	Approval Yrs:	2012			
	SIC Code:	621110			
	SIC Description:	Offices of Physicians			
--- Details ---					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
	+				
	Waste Code:	261			
	Waste Description:	PHARMACEUTICALS			
<a href="#">323</a>	4 of 17	WSW/444.8	310.0	<b>CANADIAN MEDICAL LABORATORIES 21 SURREY STREET GUELPH ON N1H 3R3</b>	GEN
	Generator #:	ON0245128			
	Approval Yrs:	95,96,97			
	SIC Code:	8681			
	SIC Description:	MEDICAL LABORATORIES			
--- Details ---					
	Waste Code:	312			
	Waste Description:	PATHOLOGICAL WASTES			
<a href="#">323</a>	5 of 17	WSW/444.8	310.0	<b>CML HEALTHCARE INC. 21 SURREY STREET GUELPH ON</b>	GEN
	Generator #:	ON0245128			
	Approval Yrs:	2009			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		621510			
SIC Description:		Medical and Diagnostic Laboratories			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">323</a>	6 of 17	WSW/444.8	310.0	<b>Guelph GI &amp; Surgery Clinic 105-21 Surrey St.W Guelph ON N1H 3R3</b>	GEN
Generator #:		ON3526337			
Approval Yrs:		2011			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">323</a>	7 of 17	WSW/444.8	310.0	<b>Surrey Family Practice 101-21 Surrey St. W. Guelph ON</b>	GEN
Generator #:		ON3585276			
Approval Yrs:		2012			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">323</a>	8 of 17	WSW/444.8	310.0	<b>CANADIAN MEDICAL LABORATORIES LIMITED 21 SURREY STREET GUELPH ON N1H 3R3</b>	GEN
Generator #:		ON0245128			
Approval Yrs:		98,99,00,01,02			
SIC Code:		8681			
SIC Description:		MEDICAL LABORATORIES			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">323</a>	9 of 17	WSW/444.8	310.0	<b>LifeLabs LP 21 SURREY STREET GUELPH ON N1H 3R3</b>	GEN
Generator #:		ON0245128			
Approval Yrs:		As of April 2014			
SIC Code:					
SIC Description:					

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
--- Details ---					
		Waste Code:	312		
		Waste Description:	Pathological wastes		
<a href="#">323</a>	10 of 17	WSW/444.8	310.0	<b>CML HEALTHCARE INC. 21 SURREY STREET GUELPH ON</b>	<b>GEN</b>
		Generator #:	ON0245128		
		Approval Yrs:	03,04,05,07,08		
		SIC Code:	621510		
		SIC Description:	Medical & Diagnostic Laboratories		
--- Details ---					
		Waste Code:	312		
		Waste Description:	PATHOLOGICAL WASTES		
<a href="#">323</a>	11 of 17	WSW/444.8	310.0	<b>CML HEALTHCARE INC. 21 SURREY STREET GUELPH ON</b>	<b>GEN</b>
		Generator #:	ON0245128		
		Approval Yrs:	2011		
		SIC Code:	621510		
		SIC Description:	Medical and Diagnostic Laboratories		
--- Details ---					
		Waste Code:	312		
		Waste Description:	PATHOLOGICAL WASTES		
<a href="#">323</a>	12 of 17	WSW/444.8	310.0	<b>Surrey Family Practice 101-21 Surrey St. W. Guelph ON N1H 3R3</b>	<b>GEN</b>
		Generator #:	ON3585276		
		Approval Yrs:	As of April 2014		
		SIC Code:			
		SIC Description:			
--- Details ---					
		Waste Code:	261		
		Waste Description:	Pharmaceuticals		
		+			
		Waste Code:	312		
		Waste Description:	Pathological wastes		
<a href="#">323</a>	13 of 17	WSW/444.8	310.0	<b>Surrey Family Practice 101-21 Surrey St. W. Guelph ON</b>	<b>GEN</b>
		Generator #:	ON3585276		
		Approval Yrs:	2010		
		SIC Code:	621110		
		SIC Description:	Offices of Physicians		
--- Details ---					
		Waste Code:	312		
		Waste Description:	PATHOLOGICAL WASTES		



Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
<a href="#">323</a>	14 of 17	WSW/444.8	310.0	Surrey Family Practice 101-21 Surrey St. W. Guelph ON	GEN
Generator #:		ON3585276			
Approval Yrs:		2011			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">323</a>	15 of 17	WSW/444.8	310.0	CML HEALTHCARE INC. 21 SURREY STREET GUELPH ON	GEN
Generator #:		ON0245128			
Approval Yrs:		2010			
SIC Code:		621510			
SIC Description:		Medical and Diagnostic Laboratories			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">323</a>	16 of 17	WSW/444.8	310.0	LifeLabs LP 21 SURREY STREET GUELPH ON N1H 3R3	GEN
Generator #:		ON0245128			
Approval Yrs:		2012			
SIC Code:		621510			
SIC Description:		Medical and Diagnostic Laboratories			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">323</a>	17 of 17	WSW/444.8	310.0	Surrey Family Practice 101-21 Surrey St. W. Guelph ON	GEN
Generator #:		ON3585276			
Approval Yrs:		2009			
SIC Code:		621110			
SIC Description:		Offices of Physicians			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">324</a>	1 of 3	WSW/456.5	310.0	Guelph GI & Surgery Clinic 105-21 Surrey St.W Guelph ON	GEN
Generator #:		ON3526337			
Approval Yrs:		2013			

Map Key	Number of Records	Direction/ Distance m	Elevation m	Site	DB
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
--- Details ---					
Waste Code:		261			
Waste Description:		PHARMACEUTICALS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">324</a>	2 of 3	WSW/456.5	310.0	LifeLabs LP 21 SURREY STREET GUELPH ON	GEN
Generator #:		ON0245128			
Approval Yrs:		2013			
SIC Code:		621510			
SIC Description:		MEDICAL AND DIAGNOSTIC LABORATORIES			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">324</a>	3 of 3	WSW/456.5	310.0	Surrey Family Practice 101-21 Surrey St. W. Guelph ON	GEN
Generator #:		ON3585276			
Approval Yrs:		2013			
SIC Code:		621110			
SIC Description:		OFFICES OF PHYSICIANS			
--- Details ---					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			
<a href="#">325</a>	1 of 1	W/495.0	315.2	31 Gordon St Guelph ON N1H 4G9	EHS
Order No.:		20121026032			
Report Date:		01-NOV-12			
Report Type:		Standard Report			
Search Radius (km):		.25			
Addit. Info Ordered:					
<a href="#">326</a>	1 of 1	WSW/458.0	310.0	Guelph ON	WWIS
Well ID:		7207383		Lot:	
Concession:				Concession Name:	
County:		WELLINGTON		Municipality:	
Easting Nad83:		560924		GUELPH CITY	
Zone:		17		Northing Nad83:	
Primary Water Use:		Monitoring		Utm Reliability:	
Sec. Water Use:				margin of error : 30 m - 100 m	
Pump Rate:				Construction Date:	
Flow Rate:				23-AUG-13	
Specific Capacity:				Well Depth:	
				15 ft	
				Static Water Level:	
				Clear/Cloudy:	
				Final Well Status:	
				Observation Wells	

<b>Map Key</b>	<b>Number of Records</b>	<b>Direction/ Distance m</b>	<b>Elevation m</b>	<b>Site</b>	<b>DB</b>
----------------	--------------------------	------------------------------	--------------------	-------------	-----------

Construction Method:	Auger			Flowing (y/n):	
Elevation (m):				Elevation Reliability:	
Depth to Bedrock:				Overburden/Bedrock:	
Water Type:				Casing Material:	Not stated

--- Details ---

Thickness:	BROWN			Original Depth:	7 ft
Material Colour:	GRAVEL, SAND, LOOSE			Material:	7 ft
+					
Thickness:	BROWN			Original Depth:	10 ft
Material Colour:	GRAVEL, SAND, LOOSE			Material:	3 ft
+					
Thickness:	GREY			Original Depth:	15 ft
Material Colour:	LIMESTONE, , DENSE			Material:	5 ft

# Unplottable Summary

DB	Company Name/Site Name	Address	City	Postal
CA	UNIVERSITY OF GUELPH	GORDON ST.	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	80RDON ST., ROOM #350	1081PH CITY ON	
CA	GUELPH CITY	FOUNTAIN STREET RECONSTRUCTION	GUELPH CITY ON	
CA	BRISTOL ENTERPRISES (GUELPH) LTD.	BRISTOL ST./LOTS 38-43,PLAN 34	GUELPH CITY ON	
CA	GUELPH CITY	ARTHUR ST., HOMEWOOD GROUNDS	GUELPH CITY ON	
CA	CITY	GORDON ST.	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH - NEW LAB.BLDG.	GORDON ST., NOT. DT. 29-4-92	GUELPH CITY ON	
CA	GUELPH CITY	GORDON ST., PINERIDGE SUBD.	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	GORDON ST.	GUELPH CITY ON	
CA	CITY	GORDON ST.	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	GORDON STREET	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	GORDON STREET	GUELPH CITY ON	
CA	GUELPH CITY	GORDON STREET	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	GORDON STREET/LOT 8, CONC. 2	GUELPH CITY ON	
CA	The Corporation of the City of Guelph	Gordon St (from Clair Avenue to approximately 350 metres south of Clair Avenue)	Guelph ON	
CA	The Corporation of the City of Guelph	York Rd	Guelph ON	
CA	University of Guelph	McNaughton Building No. 73, Gordon Street	Guelph ON	
CA	The Corporation of the City of Guelph	Johnston Street	Guelph ON	

CA	The Corporation of the City of Guelph	Johnston Street	Guelph ON
CA	MINISTRY OF GOVERNMENT SERVICES	LOT 12, CONC. 1, VICTORIA RD.	GUELPH CITY ON
CA	Victoria Road Watermain	Victoria Road South	Guelph ON
CA		Victoria Road South	Guelph ON
CA	GUELPH CITY	MEMBRO MUN.WELL/WATER ST/DENVE	GUELPH CITY ON
CA	The Corporation of the Township of Centre Wellington	Water Street (from Woolwich Street to Victoria Street)	Centre Wellington ON
CA	GUELPH CITY	WELLINGTON ST.	GUELPH CITY ON
CA	GUELPH CITY	WELLINGTON STREET	GUELPH CITY ON
CA	The Corporation of the City of Guelph	Wyndham St from Carden Street to Wellington Street	Guelph ON
CA	GUELPH CITY	YORK RD.	GUELPH CITY ON
CA	University of Guelph	MacNaughton Building No. 73, Gordon Street	Guelph ON
CA		Albert A. Thornborough Building No. 159	Guelph ON
EBR	Polycorp Inc.	33 York Street	Centre Wellington, ON
ECA	The Corporation of the City of Guelph	Morris Street	City of Guelph ON
ECA	The Corporation of the City of Guelph	Wellington Street	Guelph ON
ECA	The Corporation of the City of Guelph	Wellington Street	City of Guelph ON
ECA	The Corporation of the City of Guelph	Surrey Street	Guelph ON
ECA	The Corporation of the City of Guelph	Alice St	Guelph ON
GEN	UNIVERSITY OF GUELPH	MAIN CAMPUS	GUELPH ON
GEN	UNIVERSITY OF GUELPH 39-068	MAIN CAMPUS	GUELPH ON
GEN	Mennonite Central Committee (Ontario)	Parking Lot P30	Guelph ON

GEN	GUELPH, CORPORATION OF THE CITY OF	GORDON STREET RECYCLING DEPOT	GUELPH ON
GEN	GUELPH, CORPORATION OF THE CITY OF	GORDON STREET RECYCLING DEPOT	GUELPH ON
GEN	GUELPH, CITY OF 17-484	CARTER FARM-VICTORIA RD. S.	GUELPH ON
GEN	UNIVERSITY OF GUELPH	Main Campus Gordon Street	GUELPH ON
GEN	UNIVERSITY OF GUELPH	MAIN CAMPUS/GORDON STREET	GUELPH ON
GEN	CITY OF GUELPH ENGINEERING	WELLINGTON STREET	GUELPH ON
GEN	UNIVERSITY OF GUELPH	Main Campus Gordon Street	GUELPH ON
GEN	UNIVERSITY OF GUELPH		GUELPH ON
GEN	UNIVERSITY OF GUELPH	Main Campus Gordon Street	GUELPH ON
GEN	UNIVERSITY OF GUELPH	Main Campus Gordon Street	GUELPH ON
GEN	UNIVERSITY OF GUELPH	Main Campus Gordon Street	GUELPH ON
GEN	UNIVERSITY OF GUELPH	Main Campus Gordon Street	GUELPH ON
GEN	UNIVERSITY OF GUELPH	Main Campus Gordon Street	GUELPH ON
GEN	UNIVERSITY OF GUELPH	GORDON STREET	GUELPH ON
RSC	Arthur EMPC Four Limited	0 Arthur Street South, Guelph	ON
SPL	UNKNOWN	YORK ROAD, PAISLEY AND WELLINGTON.	GUELPH CITY ON
SPL	CONTRACTOR	PARK BEHIND UKRAINIAN CHURCH ON YORK RD	GUELPH CITY ON
SPL	PUC	AT THE GUELPH COMPOST FACILITY ON YORK ROAD	GUELPH CITY ON
SPL	Loblaws Inc.	Wyndham Street South, South of York Road	Guelph ON
SPL	UNKNOWN	DITCH ON WELLINGTON ST BTW ENDINBURGH RD S & MCCRAE BLVD - SPEED RIVER	GUELPH CITY ON
SPL		Along 10 City Blocks starting at Wellington St then	Guelph ON
SPL	City of Guelph	Gordon St. between Water St. and Terrace Lane	Guelph ON

SPL		STORM SEWER OUTFALL OFF WATER ST.	Guelph ON
SPL	PROVOST BULK CARRIERS INC.	TEXACO BULK STATION VICTORIA ST	GUELPH CITY ON
SPL	The Corporation of the City of Guelph	ON THE SPEED RIVER, APPROX 50 M NORTH OF NEEVE ST	Guelph ON
SPL	HYDRO ONE	MARTIN RD AND VICTORIS ST GUELPH TWP	GUELPH ERAMOSIA TOWNSHIP ON
SPL		Gordon St, Waterloo and Yorkshire	Guelph ON
SPL	The Corporation of the City of Guelph		Guelph ON
SPL	The Corporation of the City of Guelph	25 Waterworks Station, Guelph	Guelph ON
SPL	The Corporation of the City of Guelph	off of York Road in between Wyndham Street and Neeve Street	Guelph ON
SPL	The Corporation of the City of Guelph	at Martin St	Guelph ON
SPL	City of Guelph<UNOFFICIAL>	Wellington/Wyndham to York then out to HWY 7	Guelph ON
SPL	Drexler Construction Limited	Wellington & Gordon, Windham, York & Ontario	Guelph ON
SPL		Across from Briar Apts	Guelph ON
SPL	City of Guelph	100 meters South of York Road	Guelph ON
WWIS			Guelph ON
WWIS			Guelph ON
WWIS			Guelph ON

# Unplottable Report

**Site:** UNIVERSITY OF GUELPH  
GORDON ST. GUELPH CITY ON

**Database:**  
CA

Certificate #: 3-0825-89-  
Application Year: 89  
Issue Date: 8/10/1989  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

**Site:** UNIVERSITY OF GUELPH  
GORDON ST., ROOM #350 1081PH CITY ON

**Database:**  
CA

Certificate #: 8-2224-93-  
Application Year: 93  
Issue Date: 11/8/1993  
Approval Type: Industrial air  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: EXHAUST FAN/STACK FOR RESEARCH LAB.  
Contaminants: Hexane, Ethyl Acetate, Methylene Chloride, Ethyl Ether, Tetrahydrofuran, Pentane, Methyl Alcohol, Chloroform, Carbon Tetrachloride, Ethyl Alcohol, Denat,D  
Emission Control:

**Site:** GUELPH CITY  
FOUNTAIN STREET RECONSTRUCTION GUELPH CITY ON

**Database:**  
CA

Certificate #: 3-1349-89-  
Application Year: 89  
Issue Date: 8/10/1989  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:



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**Site:** BRISTOL ENTERPRISES (GUELPH) LTD.  
BRISTOL ST./LOTS 38-43,PLAN 34 GUELPH CITY ON

**Database:**  
CA

Certificate #: 7-0046-91-006  
Application Year: 91  
Issue Date: 3/27/91  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** GUELPH CITY  
ARTHUR ST., HOMEWOOD GROUNDS GUELPH CITY ON

**Database:**  
CA

Certificate #: 7-0684-99-  
Application Year: 99  
Issue Date: 9/13/1999  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** CITY  
GORDON ST. GUELPH CITY ON

**Database:**  
CA

Certificate #: 3-0004-85-006  
Application Year: 85  
Issue Date: 7/24/85  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** UNIVERSITY OF GUELPH - NEW LAB.BLDG.  
GORDON ST., NOT. DT. 29-4-92 GUELPH CITY ON

**Database:**  
CA

Certificate #: 8-2165-90-

Application Year: 90  
Issue Date: 3/13/1991  
Approval Type: Industrial air  
Status: Approved in 1991  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: LAB EXHAUST  
Contaminants: Nitritotriacetic Acid, Sulphuric Acid, Sodium Hydroxide, Phenol, Methylene Chloride, Methyl Alcohol, Hexane, Hydrogen Chloride, Hydrogen Peroxide, Acetic Acid  
Emission Control: No Controls

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**Site:** **GUELPH CITY**  
**GORDON ST., PINERIDGE SUBD. GUELPH CITY ON**

**Database:**  
**CA**

Certificate #: 3-1575-95-006  
Application Year: 95  
Issue Date: 11/23/95  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **UNIVERSITY OF GUELPH**  
**GORDON ST. GUELPH CITY ON**

**Database:**  
**CA**

Certificate #: 8-2002-95-  
Application Year: 95  
Issue Date: 3/31/1995  
Approval Type: Industrial air  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: FUMEHOOD FOR RESEARCH ON CHEMICALS  
Contaminants: Phenol, Chloroform, Methylene Chloride, Acetic Acid, Hydrogen Chloride, Methyl Alcohol, Mercaptoethanol, Dimethyl Sulfoxide, Dimethyl Formamide  
Emission Control: No Controls

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**Site:** **CITY**  
**GORDON ST. GUELPH CITY ON**

**Database:**  
**CA**

Certificate #: 3-0535-85-000  
Application Year: 85  
Issue Date: 7/19/85  
Approval Type: Municipal sewage  
Status: Application Cancelled  
Application Type:

---

Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** UNIVERSITY OF GUELPH  
GORDON STREET GUELPH CITY ON

**Database:**  
CA

Certificate #: 8-2243-92-  
Application Year: 92  
Issue Date: 11/26/1992  
Approval Type: Industrial air  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: NEW CHEM. FUMEHOOD NO. FH-112 IN RM. 318  
Contaminants: Phenol, Chloroform, Ethyl Acetate, Methyl Alcohol, Acetone, Toluene(Pentyl Methane)(Methyl Benzene)  
Emission Control: No Controls

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**Site:** UNIVERSITY OF GUELPH  
GORDON STREET GUELPH CITY ON

**Database:**  
CA

Certificate #: 8-2236-94-  
Application Year: 94  
Issue Date: 1/26/1995  
Approval Type: Industrial air  
Status: Cancelled  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: EXH. FAN/STACK FH-104 FOR AXELROD BLDG.  
Contaminants:  
Emission Control:

---

**Site:** GUELPH CITY  
GORDON STREET GUELPH CITY ON

**Database:**  
CA

Certificate #: 7-1127-86-  
Application Year: 86  
Issue Date: 9/18/1986  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:

Emission Control:

---

**Site:** UNIVERSITY OF GUELPH  
GORDON STREET/LOT 8, CONC. 2 GUELPH CITY ON

**Database:**  
CA

Certificate #: 8-2004-92-  
Application Year: 92  
Issue Date: 2/10/1992  
Approval Type: Industrial air  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description: INSTALL 2 NEW CHEMICAL FUMEHOODS  
Contaminants: Acetone, Methylene Chloride, Formaldehyde, Hydrogen Chloride, Xylene, Toluene(Pentyl Methane)(Methyl Benzene), Methyl Alcohol, Formic Acid, Sulphuric Acid, Acetic Acid  
Emission Control: No Controls

---

**Site:** The Corporation of the City of Guelph  
Gordon St (from Clair Avenue to approximately 350 metres south of Clair Avenue) Guelph ON

**Database:**  
CA

Certificate #: 2238-7UFGWY  
Application Year: 2009  
Issue Date: 8/4/2009  
Approval Type: Municipal and Private Sewage Works  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** The Corporation of the City of Guelph  
York Rd Guelph ON

**Database:**  
CA

Certificate #: 7435-777PSN  
Application Year: 2007  
Issue Date: 10/1/2007  
Approval Type: Municipal and Private Sewage Works  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** University of Guelph  
McNaughton Building No. 73, Gordon Street Guelph ON

**Database:**  
CA

Certificate #: 6031-5FERNG  
Application Year: 2002  
Issue Date: 11/14/2002  
Approval Type: Air  
Status: Revoked and/or Replaced  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** *The Corporation of the City of Guelph  
Johnston Street Guelph ON*

**Database:**  
*CA*

Certificate #: 8827-6FJGK5  
Application Year: 2005  
Issue Date: 8/29/2005  
Approval Type: Municipal and Private Sewage Works  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** *The Corporation of the City of Guelph  
Johnston Street Guelph ON*

**Database:**  
*CA*

Certificate #: 1798-5M6SXY  
Application Year: 2003  
Issue Date: 5/8/2003  
Approval Type: Municipal and Private Sewage Works  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** *MINISTRY OF GOVERNMENT SERVICES  
LOT 12, CONC. 1, VICTORIA RD. GUELPH CITY ON*

**Database:**  
*CA*

Certificate #: 8-2084-92-  
Application Year: 92  
Issue Date: 5/6/1992  
Approval Type: Industrial air  
Status: Approved  
Application Type:  
Client Name:

Client Address:  
Client City:  
Client Postal Code:  
Project Description: LAB. HOOD/FAN FOR TURFGRASS INSTITUTE  
Contaminants: Triaryl Phosphate, Tris(2,4-Di-Tert-Butylphenyl)Phosphite, Dichlorofluoromethane  
Emission Control: No Controls

---

**Site:** **Victoria Road Watermain  
Victoria Road South Guelph ON**

**Database:**  
**CA**

Certificate #: 8237-4FES2N  
Application Year: 00  
Issue Date: 1/11/00  
Approval Type: Municipal & Private water  
Status: Approved  
Application Type: New Certificate of Approval  
Client Name: Corporation Of The City Of Guelph  
Client Address: 59 Carden Street  
Client City: Guelph  
Client Postal Code: N1H 3A1  
Project Description: 400mm dia. watermain extension on Victoria Road South and Arkell Road 300mm dia. watermain extension Summerfield Drive Carter Well (Stub)  
Contaminants:  
Emission Control:

---

**Site:** **Victoria Road South Guelph ON**

**Database:**  
**CA**

Certificate #: 3600-4XXQL9  
Application Year: 01  
Issue Date: 7/3/01  
Approval Type: Municipal & Private water  
Status: Approved  
Application Type: New Certificate of Approval  
Client Name: Corporation of the City of Guelph  
Client Address: 59 Carden Street  
Client City: Guelph  
Client Postal Code: N1H 3A1  
Project Description: Extend 400 mm diameter watermain on Victoria Road from 30 metres south of York Road to connect with existing 450 mm watermain on Victoria Road South, 230 metres south of York Road at the entrance to Eramosa River Park.  
Contaminants:  
Emission Control:

---

**Site:** **GUELPH CITY  
MEMBRO MUN.WELL/WATER ST/DENVE GUELPH CITY ON**

**Database:**  
**CA**

Certificate #: 7-1074-93-  
Application Year: 93  
Issue Date: 2/7/1994  
Approval Type: Municipal water  
Status: Approved in 1994  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:

---

Contaminants:  
Emission Control:

---

**Site:** *The Corporation of the Township of Centre Wellington*  
*Water Street (from Woolwich Street to Victoria Street) Centre Wellington ON*

**Database:**  
*CA*

Certificate #: 1710-6J8KAV  
Application Year: 2005  
Issue Date: 11/29/2005  
Approval Type: Municipal and Private Sewage Works  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** *GUELPH CITY*  
*WELLINGTON ST. GUELPH CITY ON*

**Database:**  
*CA*

Certificate #: 7-1272-86-  
Application Year: 86  
Issue Date: 10/17/1986  
Approval Type: Municipal water  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** *GUELPH CITY*  
*WELLINGTON STREET GUELPH CITY ON*

**Database:**  
*CA*

Certificate #: 3-1465-86-  
Application Year: 86  
Issue Date: 10/7/1986  
Approval Type: Municipal sewage  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** *The Corporation of the City of Guelph*  
*Wyndham St from Carden Street to Wellington Street Guelph ON*

**Database:**  
*CA*

Certificate #: 9339-7P6NNT  
Application Year: 2009  
Issue Date: 2/11/2009  
Approval Type: Municipal and Private Sewage Works  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **GUELPH CITY**  
**YORK RD. GUELPH CITY ON**

**Database:**  
**CA**

Certificate #: 7-1619-88-  
Application Year: 88  
Issue Date: 2/7/1989  
Approval Type: Municipal water  
Status: Approved in 1989  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **University of Guelph**  
**MacNaughton Building No. 73, Gordon Street Guelph ON**

**Database:**  
**CA**

Certificate #: 3890-635JDS  
Application Year: 2004  
Issue Date: 9/20/2004  
Approval Type: Air  
Status: Approved  
Application Type:  
Client Name:  
Client Address:  
Client City:  
Client Postal Code:  
Project Description:  
Contaminants:  
Emission Control:

---

**Site:** **Albert A. Thornborough Building No. 159 Guelph ON**

**Database:**  
**CA**

Certificate #: 1232-4STJUD  
Application Year: 01  
Issue Date: 1/9/01  
Approval Type: Industrial air  
Status: Approved  
Application Type: New Certificate of Approval  
Client Name: University of Guelph



Client Address: Gordon Street  
Client City: Guelph  
Client Postal Code: N1G 2W1  
Project Description: This application is for the installation of three (3) laboratory fume hoods exhausting to atmosphere through individual stacks 10.70 metres above grade. Two of the fumehoods will serve the environmental engineering laboratory and the third fumehood will serve the biomedical engineering laboratory.  
Contaminants:  
Emission Control:

---

**Site:** Polycorp Inc.  
33 York Street Centre Wellington, ON

**Database:**  
EBR

Year: 2013  
EBR Registry No.: 011-9271  
Ministry Ref. No.: 5273-97WPFS  
Type: Instrument Proposal  
Instrument Type: (EPA Part II.1) - Environmental Compliance Approval (project type: air)  
Proposal Date: May 31, 2013  
Location: 33 York Street, Centre Wellington, County of Wellington N0B 1S0  
Proponent Address: 33 York Street, Elora Ontario, Canada N0B 1S0

---

**Site:** The Corporation of the City of Guelph  
Morris Street City of Guelph ON

**Database:**  
ECA

CofA Number: 0274-9KYKHE  
Date: 6/19/14  
Status: Approved  
Project Type: Municipal and Private Sewage

---

**Site:** The Corporation of the City of Guelph  
Wellington Street Guelph ON

**Database:**  
ECA

CofA Number: 3887-9ATHFZ  
Date: 30-AUG-13  
Status: Approved  
Project Type: Municipal and Private Sewage

---

**Site:** The Corporation of the City of Guelph  
Wellington Street City of Guelph ON

**Database:**  
ECA

CofA Number: 8403-9KYK3N  
Date: 6/19/14  
Status: Approved  
Project Type: Municipal and Private Sewage

---

**Site:** The Corporation of the City of Guelph  
Surrey Street Guelph ON

**Database:**  
ECA

CofA Number: 6064-9PJN9X  
Date: 10/7/14  
Status: Approved  
Project Type: Municipal and Private Sewage

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**Site:** **The Corporation of the City of Guelph**  
**Alice St Guelph ON**

**Database:**  
**ECA**

CofA Number: 7480-8WAKYQ  
Date: 7/19/2012  
Status: Approved  
Project Type: Municipal and Private Sewage

---

**Site:** **UNIVERSITY OF GUELPH**  
**MAIN CAMPUS GUELPH ON**

**Database:**  
**GEN**

Generator #: ON0179200  
Approval Yrs: 97,99,00,01  
SIC Code: 8531  
SIC Description: UNIVERSITY EDUCATION

--- Details ---

Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 269  
Waste Description: NON-HALOGENATED PESTICIDES  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 331  
Waste Description: WASTE COMPRESSED GASES  
+  
Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS  
+  
Waste Code: 114  
Waste Description: OTHER INORGANIC ACID WASTES  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 131  
Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213

Waste Description: PETROLEUM DISTILLATES  
 +  
 Waste Code: 222  
 Waste Description: HEAVY FUELS  
 +  
 Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 242  
 Waste Description: HALOGENATED PESTICIDES  
 +  
 Waste Code: 243  
 Waste Description: PCB'S  
 +  
 Waste Code: 251  
 Waste Description: OIL SKIMMINGS & SLUDGES  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 261  
 Waste Description: PHARMACEUTICALS

**Site:** UNIVERSITY OF GUELPH 39-068  
 MAIN CAMPUS GUELPH ON

**Database:**  
 GEN

Generator #: ON0179200  
 Approval Yrs: 92,93,94,95,96  
 SIC Code: 8531  
 SIC Description: UNIVERSITY EDUCATION

--- Details ---

Waste Code: 269  
 Waste Description: NON-HALOGENATED PESTICIDES  
 +  
 Waste Code: 312  
 Waste Description: PATHOLOGICAL WASTES  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES  
 +  
 Waste Code: 112  
 Waste Description: ACID WASTE - HEAVY METALS  
 +  
 Waste Code: 114  
 Waste Description: OTHER INORGANIC ACID WASTES  
 +  
 Waste Code: 121  
 Waste Description: ALKALINE WASTES - HEAVY METALS  
 +  
 Waste Code: 122  
 Waste Description: ALKALINE WASTES - OTHER METALS  
 +  
 Waste Code: 131  
 Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
 +  
 Waste Code: 145  
 Waste Description: PAINT/PIGMENT/COATING RESIDUES  
 +  
 Waste Code: 148  
 Waste Description: INORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 211

Waste Description: AROMATIC SOLVENTS  
 +  
 Waste Code: 212  
 Waste Description: ALIPHATIC SOLVENTS  
 +  
 Waste Code: 213  
 Waste Description: PETROLEUM DISTILLATES  
 +  
 Waste Code: 222  
 Waste Description: HEAVY FUELS  
 +  
 Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 242  
 Waste Description: HALOGENATED PESTICIDES  
 +  
 Waste Code: 243  
 Waste Description: PCB'S  
 +  
 Waste Code: 251  
 Waste Description: OIL SKIMMINGS & SLUDGES  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 261  
 Waste Description: PHARMACEUTICALS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 267  
 Waste Description: ORGANIC ACIDS

**Site:** Mennonite Central Committee (Ontario)  
Parking Lot P30 Guelph ON

**Database:**  
GEN

Generator #: ON7452102  
 Approval Yrs: 06  
 SIC Code: 311990  
 SIC Description: All Other Food Manufacturing

--- Details ---

Waste Code: 150  
 Waste Description: INERT INORGANIC WASTES

**Site:** GUELPH, CORPORATION OF THE CITY OF  
GORDON STREET RECYCLING DEPOT GUELPH ON

**Database:**  
GEN

Generator #: ON0349004  
 Approval Yrs: 92,93,97  
 SIC Code: 8373  
 SIC Description: ENVIRON. ADMIN.

--- Details ---

Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS

**Site:** GUELPH, CORPORATION OF THE CITY OF  
GORDON STREET RECYCLING DEPOT GUELPH ON

**Database:**  
GEN

Generator #: ON0349004  
Approval Yrs: 98,99,00,01  
SIC Code: 8373  
SIC Description: ENVIRON. ADMIN.

--- Details ---

Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS

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**Site:** **GUELPH, CITY OF** **17-484**  
**CARTER FARM-VICTORIA RD. S. GUELPH ON**

**Database:**  
**GEN**

Generator #: ON0349009  
Approval Yrs: 94,95  
SIC Code: 4931  
SIC Description: WATER SYSTEMS IND.

--- Details ---

Waste Code: 243  
Waste Description: PCB'S

---

**Site:** **UNIVERSITY OF GUELPH**  
**Main Campus Gordon Street GUELPH ON**

**Database:**  
**GEN**

Generator #: ON0179200  
Approval Yrs: 02,03,04,05,06,07,08  
SIC Code:  
SIC Description:

--- Details ---

Waste Code: 253  
Waste Description: EMULSIFIED OILS  
+  
Waste Code: 231  
Waste Description: LATEX WASTES  
+  
Waste Code: 262  
Waste Description: DETERGENTS/SOAPS  
+  
Waste Code: 270  
Waste Description: OTHER SPECIFIED ORGANICS  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 221  
Waste Description: LIGHT FUELS  
+  
Waste Code: 243  
Waste Description: PCB'S  
+  
Waste Code: 264  
Waste Description: PHOTOPROCESSING WASTES  
+  
Waste Code: 282  
Waste Description: NON-HALOGENATED LEAN ORGANICS  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS

+  
 Waste Code: 114  
 Waste Description: OTHER INORGANIC ACID WASTES  
 +  
 Waste Code: 121  
 Waste Description: ALKALINE WASTES - HEAVY METALS  
 +  
 Waste Code: 122  
 Waste Description: ALKALINE WASTES - OTHER METALS  
 +  
 Waste Code: 131  
 Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
 +  
 Waste Code: 145  
 Waste Description: PAINT/PIGMENT/COATING RESIDUES  
 +  
 Waste Code: 148  
 Waste Description: INORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 211  
 Waste Description: AROMATIC SOLVENTS  
 +  
 Waste Code: 212  
 Waste Description: ALIPHATIC SOLVENTS  
 +  
 Waste Code: 213  
 Waste Description: PETROLEUM DISTILLATES  
 +  
 Waste Code: 222  
 Waste Description: HEAVY FUELS  
 +  
 Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 242  
 Waste Description: HALOGENATED PESTICIDES  
 +  
 Waste Code: 251  
 Waste Description: OIL SKIMMINGS & SLUDGES  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 261  
 Waste Description: PHARMACEUTICALS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 267  
 Waste Description: ORGANIC ACIDS  
 +  
 Waste Code: 269  
 Waste Description: NON-HALOGENATED PESTICIDES  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES

**Site:** UNIVERSITY OF GUELPH  
 MAIN CAMPUS/GORDON STREET GUELPH ON

**Database:**  
 GEN

Generator #: ON0179200  
 Approval Yrs: 90  
 SIC Code: 8531

505

[erisinfo.com](http://erisinfo.com) | EcoLog ERIS Ltd.  
 Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

SIC Description: UNIVERSITY EDUCATION

--- Details ---

Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS  
+  
Waste Code: 114  
Waste Description: OTHER INORGANIC ACID WASTES  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS  
+  
Waste Code: 131  
Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 222  
Waste Description: HEAVY FUELS  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+  
Waste Code: 242  
Waste Description: HALOGENATED PESTICIDES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 269  
Waste Description: NON-HALOGENATED PESTICIDES  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES

---

**Site:** CITY OF GUELPH ENGINEERING  
WELLINGTON STREET GUELPH ON

**Database:**  
GEN

Generator #: ON5491434  
Approval Yrs: As of April 2014  
SIC Code:  
SIC Description:

--- Details ---

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[erisinfo.com](http://erisinfo.com) | EcoLog ERIS Ltd.  
Guelph Paisley Phase 2 PTTW York Rd Guelph ON

Order #: 20150514049

Waste Code: 146  
Waste Description: Other specified inorganic sludges, slurries or solids

**Site: UNIVERSITY OF GUELPH**  
**Main Campus Gordon Street GUELPH ON**

**Database:**  
**GEN**

Generator #: ON0179200  
Approval Yrs: 2011  
SIC Code: 611310  
SIC Description: Universities

--- Details ---

Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 131  
Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
+  
Waste Code: 222  
Waste Description: HEAVY FUELS  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 243  
Waste Description: PCBS  
+  
Waste Code: 270  
Waste Description: OTHER SPECIFIED ORGANICS  
+  
Waste Code: 282  
Waste Description: NON-HALOGENATED LEAN ORGANICS  
+  
Waste Code: 269  
Waste Description: NON-HALOGENATED PESTICIDES  
+  
Waste Code: 261  
Waste Description: PHARMACEUTICALS  
+  
Waste Code: 264  
Waste Description: PHOTOPROCESSING WASTES  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS  
+  
Waste Code: 253  
Waste Description: EMULSIFIED OILS  
+  
Waste Code: 242  
Waste Description: HALOGENATED PESTICIDES  
+



Waste Code: 221  
 Waste Description: LIGHT FUELS  
 +  
 Waste Code: 146  
 Waste Description: OTHER SPECIFIED INORGANICS  
 +  
 Waste Code: 148  
 Waste Description: INORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 251  
 Waste Description: OIL SKIMMINGS & SLUDGES  
 +  
 Waste Code: 114  
 Waste Description: OTHER INORGANIC ACID WASTES  
 +  
 Waste Code: 213  
 Waste Description: PETROLEUM DISTILLATES  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES  
 +  
 Waste Code: 112  
 Waste Description: ACID WASTE - HEAVY METALS  
 +  
 Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 231  
 Waste Description: LATEX WASTES  
 +  
 Waste Code: 212  
 Waste Description: ALIPHATIC SOLVENTS

**Site: UNIVERSITY OF GUELPH  
GUELPH ON**

**Database:  
GEN**

Generator #: ON0179200  
 Approval Yrs: 86,87,88,89  
 SIC Code: 8531  
 SIC Description: UNIVERSITY EDUCATION

--- Details ---

Waste Code: 112  
 Waste Description: ACID WASTE - HEAVY METALS  
 +  
 Waste Code: 114  
 Waste Description: OTHER INORGANIC ACID WASTES  
 +  
 Waste Code: 121  
 Waste Description: ALKALINE WASTES - HEAVY METALS  
 +  
 Waste Code: 131  
 Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
 +  
 Waste Code: 148  
 Waste Description: INORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 211  
 Waste Description: AROMATIC SOLVENTS  
 +

Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 222  
Waste Description: HEAVY FUELS  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+  
Waste Code: 242  
Waste Description: HALOGENATED PESTICIDES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 269  
Waste Description: NON-HALOGENATED PESTICIDES  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES

---

**Site:** UNIVERSITY OF GUELPH  
Main Campus Gordon Street GUELPH ON

**Database:**  
GEN

Generator #: ON0179200  
Approval Yrs: 2013  
SIC Code: 611310  
SIC Description: UNIVERSITIES

--- Details ---

Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 114  
Waste Description: OTHER INORGANIC ACID WASTES  
+  
Waste Code: 282  
Waste Description: NON-HALOGENATED LEAN ORGANICS  
+  
Waste Code: 253  
Waste Description: EMULSIFIED OILS  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 266  
Waste Description: PHENOLIC WASTES  
+  
Waste Code: 251  
Waste Description: OIL SKIMMINGS & SLUDGES  
+

Waste Code: 122  
 Waste Description: ALKALINE WASTES - OTHER METALS  
 +  
 Waste Code: 267  
 Waste Description: ORGANIC ACIDS  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES  
 +  
 Waste Code: 131  
 Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
 +  
 Waste Code: 261  
 Waste Description: PHARMACEUTICALS  
 +  
 Waste Code: 148  
 Waste Description: INORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 213  
 Waste Description: PETROLEUM DISTILLATES  
 +  
 Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 112  
 Waste Description: ACID WASTE - HEAVY METALS  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 269  
 Waste Description: NON-HALOGENATED PESTICIDES  
 +  
 Waste Code: 270  
 Waste Description: OTHER SPECIFIED ORGANICS  
 +  
 Waste Code: 242  
 Waste Description: HALOGENATED PESTICIDES  
 +  
 Waste Code: 264  
 Waste Description: PHOTOPROCESSING WASTES  
 +  
 Waste Code: 146  
 Waste Description: OTHER SPECIFIED INORGANICS  
 +  
 Waste Code: 147  
 Waste Description: CHEMICAL FERTILIZER WASTES  
 +  
 Waste Code: 212  
 Waste Description: ALIPHATIC SOLVENTS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 221  
 Waste Description: LIGHT FUELS  
 +  
 Waste Code: 243  
 Waste Description: PCBS  
 +  
 Waste Code: 231  
 Waste Description: LATEX WASTES  
 +  
 Waste Code: 222

Waste Description: HEAVY FUELS  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS

**Site:** UNIVERSITY OF GUELPH  
Main Campus Gordon Street GUELPH ON

**Database:**  
GEN

Generator #: ON0179200  
Approval Yrs: 2009  
SIC Code: 611310  
SIC Description: Universities

--- Details ---

Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS  
+  
Waste Code: 114  
Waste Description: OTHER INORGANIC ACID WASTES  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 131  
Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 221  
Waste Description: LIGHT FUELS  
+  
Waste Code: 222  
Waste Description: HEAVY FUELS  
+  
Waste Code: 231  
Waste Description: LATEX WASTES  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+  
Waste Code: 242  
Waste Description: HALOGENATED PESTICIDES  
+  
Waste Code: 243

Waste Description: PCBS  
 +  
 Waste Code: 251  
 Waste Description: OIL SKIMMINGS & SLUDGES  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 253  
 Waste Description: EMULSIFIED OILS  
 +  
 Waste Code: 261  
 Waste Description: PHARMACEUTICALS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 264  
 Waste Description: PHOTOPROCESSING WASTES  
 +  
 Waste Code: 267  
 Waste Description: ORGANIC ACIDS  
 +  
 Waste Code: 269  
 Waste Description: NON-HALOGENATED PESTICIDES  
 +  
 Waste Code: 270  
 Waste Description: OTHER SPECIFIED ORGANICS  
 +  
 Waste Code: 282  
 Waste Description: NON-HALOGENATED LEAN ORGANICS  
 +  
 Waste Code: 312  
 Waste Description: PATHOLOGICAL WASTES  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES

**Site:** UNIVERSITY OF GUELPH  
 Main Campus Gordon Street GUELPH ON

**Database:**  
 GEN

Generator #: ON0179200  
 Approval Yrs: As of April 2014  
 SIC Code:  
 SIC Description:

--- Details ---

Waste Code: 112  
 Waste Description: Acid solutions - containing heavy metals  
 +  
 Waste Code: 114  
 Waste Description: Other inorganic acid wastes  
 +  
 Waste Code: 121  
 Waste Description: Alkaline slutions - containing heavy metals  
 +  
 Waste Code: 122  
 Waste Description: Alkaline slutions - containing other metals and non-metals (not cyanide)  
 +  
 Waste Code: 148  
 Waste Description: Misc. wastes and inorganic chemicals  
 +  
 Waste Code: 263

*Waste Description:* Misc. waste organic chemicals  
 +  
*Waste Code:* 147  
*Waste Description:* Chemical fertilizer wastes  
 +  
*Waste Code:* 270  
*Waste Description:* Other specified organic sludges, slurries or solids  
 +  
*Waste Code:* 242  
*Waste Description:* Halogenated pesticides and herbicides  
 +  
*Waste Code:* 251  
*Waste Description:* Waste oils/sludges (petroleum based)  
 +  
*Waste Code:* 211  
*Waste Description:* Aromatic solvents and residues  
 +  
*Waste Code:* 331  
*Waste Description:* Waste compressed gases including cylinders  
 +  
*Waste Code:* 261  
*Waste Description:* Pharmaceuticals  
 +  
*Waste Code:* 146  
*Waste Description:* Other specified inorganic sludges, slurries or solids  
 +  
*Waste Code:* 266  
*Waste Description:* Phenolic waste streams  
 +  
*Waste Code:* 253  
*Waste Description:* Emulsified oils  
 +  
*Waste Code:* 241  
*Waste Description:* Halogenated solvents and residues  
 +  
*Waste Code:* 267  
*Waste Description:* Organic acids  
 +  
*Waste Code:* 221  
*Waste Description:* Light fuels  
 +  
*Waste Code:* 252  
*Waste Description:* Waste crankcase oils and lubricants  
 +  
*Waste Code:* 145  
*Waste Description:* Wastes from the use of pigments, coatings and paints  
 +  
*Waste Code:* 131  
*Waste Description:* Neutralized solutions - containing heavy metals  
 +  
*Waste Code:* 243  
*Waste Description:* PCB  
 +  
*Waste Code:* 231  
*Waste Description:* Latex wastes  
 +  
*Waste Code:* 264  
*Waste Description:* Photoprocessing wastes  
 +  
*Waste Code:* 269  
*Waste Description:* Organic non-halogenated pesticide and herbicide wastes  
 +  
*Waste Code:* 212  
*Waste Description:* Aliphatic solvents and residues

+  
Waste Code: 312  
Waste Description: Pathological wastes

---

**Site:** UNIVERSITY OF GUELPH  
Main Campus Gordon Street GUELPH ON

**Database:**  
GEN

Generator #: ON0179200  
Approval Yrs: 2012  
SIC Code: 611310  
SIC Description: Universities

--- Details ---

Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 222  
Waste Description: HEAVY FUELS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 282  
Waste Description: NON-HALOGENATED LEAN ORGANICS  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 242  
Waste Description: HALOGENATED PESTICIDES  
+  
Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS  
+  
Waste Code: 243  
Waste Description: PCBS  
+  
Waste Code: 146  
Waste Description: OTHER SPECIFIED INORGANICS  
+  
Waste Code: 261  
Waste Description: PHARMACEUTICALS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 264  
Waste Description: PHOTOPROCESSING WASTES  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 221  
Waste Description: LIGHT FUELS  
+  
Waste Code: 251  
Waste Description: OIL SKIMMINGS & SLUDGES

+  
 Waste Code: 231  
 Waste Description: LATEX WASTES  
 +  
 Waste Code: 213  
 Waste Description: PETROLEUM DISTILLATES  
 +  
 Waste Code: 269  
 Waste Description: NON-HALOGENATED PESTICIDES  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 270  
 Waste Description: OTHER SPECIFIED ORGANICS  
 +  
 Waste Code: 114  
 Waste Description: OTHER INORGANIC ACID WASTES  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES  
 +  
 Waste Code: 122  
 Waste Description: ALKALINE WASTES - OTHER METALS  
 +  
 Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 131  
 Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
 +  
 Waste Code: 253  
 Waste Description: EMULSIFIED OILS  
 +  
 Waste Code: 121  
 Waste Description: ALKALINE WASTES - HEAVY METALS

**Site:** UNIVERSITY OF GUELPH  
 Main Campus Gordon Street GUELPH ON

**Database:**  
 GEN

Generator #: ON0179200  
 Approval Yrs: 2010  
 SIC Code: 611310  
 SIC Description: Universities

--- Details ---

Waste Code: 241  
 Waste Description: HALOGENATED SOLVENTS  
 +  
 Waste Code: 222  
 Waste Description: HEAVY FUELS  
 +  
 Waste Code: 243  
 Waste Description: PCBS  
 +  
 Waste Code: 267  
 Waste Description: ORGANIC ACIDS  
 +  
 Waste Code: 213  
 Waste Description: PETROLEUM DISTILLATES  
 +  
 Waste Code: 148  
 Waste Description: INORGANIC LABORATORY CHEMICALS



+  
 Waste Code: 282  
 Waste Description: NON-HALOGENATED LEAN ORGANICS  
 +  
 Waste Code: 270  
 Waste Description: OTHER SPECIFIED ORGANICS  
 +  
 Waste Code: 312  
 Waste Description: PATHOLOGICAL WASTES  
 +  
 Waste Code: 253  
 Waste Description: EMULSIFIED OILS  
 +  
 Waste Code: 211  
 Waste Description: AROMATIC SOLVENTS  
 +  
 Waste Code: 221  
 Waste Description: LIGHT FUELS  
 +  
 Waste Code: 252  
 Waste Description: WASTE OILS & LUBRICANTS  
 +  
 Waste Code: 145  
 Waste Description: PAINT/PIGMENT/COATING RESIDUES  
 +  
 Waste Code: 331  
 Waste Description: WASTE COMPRESSED GASES  
 +  
 Waste Code: 131  
 Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
 +  
 Waste Code: 146  
 Waste Description: OTHER SPECIFIED INORGANICS  
 +  
 Waste Code: 242  
 Waste Description: HALOGENATED PESTICIDES  
 +  
 Waste Code: 264  
 Waste Description: PHOTOPROCESSING WASTES  
 +  
 Waste Code: 114  
 Waste Description: OTHER INORGANIC ACID WASTES  
 +  
 Waste Code: 121  
 Waste Description: ALKALINE WASTES - HEAVY METALS  
 +  
 Waste Code: 251  
 Waste Description: OIL SKIMMINGS & SLUDGES  
 +  
 Waste Code: 112  
 Waste Description: ACID WASTE - HEAVY METALS  
 +  
 Waste Code: 231  
 Waste Description: LATEX WASTES  
 +  
 Waste Code: 212  
 Waste Description: ALIPHATIC SOLVENTS  
 +  
 Waste Code: 263  
 Waste Description: ORGANIC LABORATORY CHEMICALS  
 +  
 Waste Code: 269  
 Waste Description: NON-HALOGENATED PESTICIDES  
 +

Waste Code: 261  
Waste Description: PHARMACEUTICALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS

**Site:** UNIVERSITY OF GUELPH  
GORDON STREET GUELPH ON

**Database:**  
GEN

Generator #: ON0179200  
Approval Yrs: 98  
SIC Code: 8531  
SIC Description: UNIVERSITY EDUCATION

--- Details ---

Waste Code: 112  
Waste Description: ACID WASTE - HEAVY METALS  
+  
Waste Code: 114  
Waste Description: OTHER INORGANIC ACID WASTES  
+  
Waste Code: 121  
Waste Description: ALKALINE WASTES - HEAVY METALS  
+  
Waste Code: 122  
Waste Description: ALKALINE WASTES - OTHER METALS  
+  
Waste Code: 131  
Waste Description: NEUTRALIZED WASTES - HEAVY METALS  
+  
Waste Code: 145  
Waste Description: PAINT/PIGMENT/COATING RESIDUES  
+  
Waste Code: 148  
Waste Description: INORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 211  
Waste Description: AROMATIC SOLVENTS  
+  
Waste Code: 212  
Waste Description: ALIPHATIC SOLVENTS  
+  
Waste Code: 213  
Waste Description: PETROLEUM DISTILLATES  
+  
Waste Code: 222  
Waste Description: HEAVY FUELS  
+  
Waste Code: 241  
Waste Description: HALOGENATED SOLVENTS  
+  
Waste Code: 242  
Waste Description: HALOGENATED PESTICIDES  
+  
Waste Code: 243  
Waste Description: PCB'S  
+  
Waste Code: 251  
Waste Description: OIL SKIMMINGS & SLUDGES  
+  
Waste Code: 252  
Waste Description: WASTE OILS & LUBRICANTS  
+

Waste Code: 261  
Waste Description: PHARMACEUTICALS  
+  
Waste Code: 263  
Waste Description: ORGANIC LABORATORY CHEMICALS  
+  
Waste Code: 267  
Waste Description: ORGANIC ACIDS  
+  
Waste Code: 269  
Waste Description: NON-HALOGENATED PESTICIDES  
+  
Waste Code: 312  
Waste Description: PATHOLOGICAL WASTES  
+  
Waste Code: 331  
Waste Description: WASTE COMPRESSED GASES

---

**Site:** Arthur EMPC Four Limited  
0 Arthur Street South, Guelph ON

**Database:**  
RSC

Date Submitted: 2013-10-17  
Date Acknowledg.:  
Date Returned:  
Certification Date:  
Soil Type:  
Restoration Type:  
Registration #: 210314  
Stratified (Y/N):  
Criteria:  
Consultant:  
District Office: Guelph  
Intended Prop Use: Residential  
Current Property Use:  
Certificate Prop Use #:  
Applicable Standards:  
Legal Description:  
Prop. Identification #:  
Entire legal prop. (y/n):  
UTM Coordinates:  
Latitude & Longitude:  
Accuracy Estimate:  
Measurement Method:  
CPU Issued Sect 1686:

---

**Site:** UNKNOWN  
YORK ROAD, PAISLEY AND WELLINGTON. GUELPH CITY ON

**Database:**  
SPL

Ref No.: 113865  
Incident Dt: 5/31/1995  
MOE Reported Dt: 5/31/1995  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: UNKNOWN SOURCE-OILY MAT'L TO SEVERAL STREETS. FD AND WORKS RESPONDING.  
Incident Cause: OTHER CONTAINER LEAK  
Incident Reason: UNKNOWN  
Nature of Impact: Water course or lake  
Receiving Medium: LAND  
Environmental Impact: POSSIBLE

**Site:** **CONTRACTOR**  
**PARK BEHIND UKRAINIAN CHURCH ON YORK RD GUELPH CITY ON**

**Database:**  
**SPL**

Ref No.: 93498  
Incident Dt: 11/15/1993  
MOE Reported Dt: 11/15/1993  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: FRED E. PRIORS & SONS - 25 L OF HYDRAULIC OIL TO GROUND AND DITCH  
Incident Cause: PIPE/HOSE LEAK  
Incident Reason: ERROR  
Nature of Impact: Soil contamination  
Receiving Medium: WATER  
Environmental Impact: CONFIRMED

**Site:** **PUC**  
**AT THE GUELPH COMPOST FACILITY ON YORK ROAD GUELPH CITY ON**

**Database:**  
**SPL**

Ref No.: 180986  
Incident Dt: 5/18/2000  
MOE Reported Dt: 5/18/2000  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: CITY OF GUELPH: 4500 L OF COMPOST PAD RUN-OFF  
TODITCH,CONTAINED,CLEANING.  
Incident Cause: CONTAINER OVERFLOW  
Incident Reason: EQUIPMENT FAILURE  
Nature of Impact: Soil contamination  
Receiving Medium: LAND  
Environmental Impact: POSSIBLE

**Site:** **Loblaws Inc.**  
**Wydham Street South, South of York Road Guelph ON**

**Database:**  
**SPL**

Ref No.: 6300-8WQQAG  
Incident Dt: 31-JUL-12  
MOE Reported Dt: 27-JUL-12  
Contaminant Name: GLYCOL/WATER SOLUTION  
Contaminant Quantity:  
Incident Summary: MVA: Operating Fluids to wet pavement and CB  
Incident Cause:  
Incident Reason:  
Nature of Impact: Surface Water Pollution  
Receiving Medium: Sewage - Municipal/Private and Commercial  
Environmental Impact: Confirmed

**Site:** **UNKNOWN**  
**DITCH ON WELLINGTON ST BTW ENDINBURGH RD S & MCCRAE BLVD - SPEED RIVER GUELPH CITY ON**

**Database:**  
**SPL**

Ref No.: 223404  
Incident Dt: 3/21/2002  
MOE Reported Dt: 3/21/2002  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: SOURCE UNK-UKN QTY HYDRAULIC OIL IN DITCH, CONTAINED,CLEANED-UP.  
Incident Cause: UNKNOWN  
Incident Reason: UNKNOWN

Nature of Impact: Water course or lake  
Receiving Medium: LAND / WATER  
Environmental Impact: POSSIBLE

---

**Site:** **Along 10 City Blocks starting at Wellington St then Guelph ON**

**Database:**  
**SPL**

Ref No.: 5832-6FCQ9K  
Incident Dt: 8/17/2005  
MOE Reported Dt: 8/17/2005  
Contaminant Name: HYDRAULIC OIL  
Contaminant Quantity: 100 L  
Incident Summary: Source UNK-70 L Hydraulic oil along Rd.  
Incident Cause: Other Discharges  
Incident Reason: Unknown - Reason not determined  
Nature of Impact: Soil Contamination  
Receiving Medium: Land  
Environmental Impact: Possible

---

**Site:** **City of Guelph**  
**Gordon St. between Water St. and Terrace Lane Guelph ON**

**Database:**  
**SPL**

Ref No.: 2268-8XNHEJ  
Incident Dt: 30-AUG-12  
MOE Reported Dt: 30-AUG-12  
Contaminant Name: COOLANT (N.O.S.)  
Contaminant Quantity: 30 L  
Incident Summary: Guelph Transit: 30 L Coolant to street, CB  
Incident Cause: Pipe Or Hose Leak  
Incident Reason:  
Nature of Impact: Other Impact(s)  
Receiving Medium:  
Environmental Impact:

---

**Site:** **STORM SEWER OUTFALL OFF WATER ST. Guelph ON**

**Database:**  
**SPL**

Ref No.: 3862-64E3WY  
Incident Dt: 8/31/2004  
MOE Reported Dt: 8/31/2004  
Contaminant Name: TAR  
Contaminant Quantity:  
Incident Summary: Source unk. - tar in storm sewer.  
Incident Cause:  
Incident Reason:  
Nature of Impact:  
Receiving Medium: Water  
Environmental Impact:

---

**Site:** **PROVOST BULK CARRIERS INC.**  
**TEXACO BULK STATION VICTORIA ST GUELPH CITY ON**

**Database:**  
**SPL**

Ref No.: 3902  
Incident Dt: 5/19/1988  
MOE Reported Dt: 5/19/1988  
Contaminant Name:

---

Contaminant Quantity:  
Incident Summary: PROVOST CARTAGE - 600 L DIESEL FUEL TO CONCRETE DYKE.  
Incident Cause: CONTAINER OVERFLOW  
Incident Reason: ERROR  
Nature of Impact:  
Receiving Medium: LAND  
Environmental Impact: NOT ANTICIPATED

---

**Site:** **The Corporation of the City of Guelph**  
**ON THE SPEED RIVER, APPROX 50 M NORTH OF NEEVE ST Guelph ON**

**Database:**  
**SPL**

Ref No.: 4148-6UNN6H  
Incident Dt: 10/17/2006  
MOE Reported Dt: 10/17/2006  
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)  
Contaminant Quantity: 20 L  
Incident Summary: Speed River: 20 L unk oil based product from storm sewer  
Incident Cause: Discharge Or Bypass To A Watercourse  
Incident Reason: Unknown - Reason not determined  
Nature of Impact: Surface Water Pollution  
Receiving Medium: Water  
Environmental Impact: Possible

---

**Site:** **HYDRO ONE**  
**MARTIN RD AND VICTORIS ST GUELPH TWP GUELPH ERAMOSIA TOWNSHIP ON**

**Database:**  
**SPL**

Ref No.: 196938  
Incident Dt: 3/23/2001  
MOE Reported Dt: 3/23/2001  
Contaminant Name:  
Contaminant Quantity:  
Incident Summary: HYDRO ONE: TRANSFORMER, 10L OIL SPILLED SAMPLE TAKEN FOR ANALYSIS.  
Incident Cause: OTHER CAUSE (N.O.S.)  
Incident Reason: OTHER  
Nature of Impact: Multi Media Pollution  
Receiving Medium: Land  
Environmental Impact: Possible

---

**Site:** **Gordon St, Waterloo and Yorkshire Guelph ON**

**Database:**  
**SPL**

Ref No.: 0443-6D8NAW  
Incident Dt: 6/10/2005  
MOE Reported Dt: 6/10/2005  
Contaminant Name: DIESEL FUEL  
Contaminant Quantity: 90.9 L  
Incident Summary: diesel on road being cleaned by city  
Incident Cause:  
Incident Reason:  
Nature of Impact:  
Receiving Medium: Land  
Environmental Impact: Not Anticipated

---

**Site:** **The Corporation of the City of Guelph**  
**Guelph ON**

**Database:**  
**SPL**

Ref No.: 6723-6QGPEX  
Incident Dt: 6/5/2006  
MOE Reported Dt: 6/5/2006  
Contaminant Name: SEWAGE,RAW UNCHLORINATED  
Contaminant Quantity: 2724 L  
Incident Summary: Guelph - unknown quantity of sewage to Speed River  
Incident Cause: Unknown  
Incident Reason: Unknown - Reason not determined  
Nature of Impact: Surface Water Pollution  
Receiving Medium: Water  
Environmental Impact: Confirmed

---

**Site:** **The Corporation of the City of Guelph**  
**25 Waterworks Station, Guelph Guelph ON**

**Database:**  
**SPL**

Ref No.: 7075-6T7JMZ  
Incident Dt: 8/31/2006  
MOE Reported Dt: 8/31/2006  
Contaminant Name: HYDRAULIC OIL  
Contaminant Quantity: 20 L  
Incident Summary: FM Woods Pumping Station: 20 L hydraulic oil to ground  
Incident Cause: Pipe Or Hose Leak  
Incident Reason:  
Nature of Impact: Soil Contamination  
Receiving Medium: Land  
Environmental Impact: Possible

---

**Site:** **The Corporation of the City of Guelph**  
**off of York Road in between Wyndham Street and Neeve Street Guelph ON**

**Database:**  
**SPL**

Ref No.: 0372-8G9LUT  
Incident Dt: 4/25/2011  
MOE Reported Dt: 4/25/2011  
Contaminant Name: SILT  
Contaminant Quantity: 0 other - see incident description  
Incident Summary: Guelph: sediment into Eramosa River  
Incident Cause: Discharge Or Bypass To A Watercourse  
Incident Reason:  
Nature of Impact: Surface Water Pollution  
Receiving Medium:  
Environmental Impact: Confirmed

---

**Site:** **The Corporation of the City of Guelph**  
**at Martin St Guelph ON**

**Database:**  
**SPL**

Ref No.: 0870-89QH63  
Incident Dt:  
MOE Reported Dt: 9/28/2010  
Contaminant Name: ENGINE OIL  
Contaminant Quantity: 0 other - see incident description  
Incident Summary: City of Guelph: small amnt engine oil to rd, clng  
Incident Cause: Other Discharges  
Incident Reason:  
Nature of Impact: Surface Water Pollution  
Receiving Medium:  
Environmental Impact: Possible

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**Site:** *City of Guelph<UNOFFICIAL>  
Wellington/Wyndham to York then out to HWY 7 Guelph ON*

**Database:**  
*SPL*

Ref No.: 2115-8WA3M9  
Incident Dt: 16-JUL-12  
MOE Reported Dt: 16-JUL-12  
Contaminant Name: WHEAT (GROUND)  
Contaminant Quantity:  
Incident Summary: Guelph- Wheat seed to roadway- cleaning  
Incident Cause: Other Transport Accident  
Incident Reason: Spill  
Nature of Impact: Other Impact(s)  
Receiving Medium: Sewage - Municipal/Private and Commercial  
Environmental Impact: Confirmed

---

**Site:** *Drexler Construction Limited  
Wellington & Gordon, Windham, York & Ontario Guelph ON*

**Database:**  
*SPL*

Ref No.: 7170-84QHS6  
Incident Dt:  
MOE Reported Dt: 4/21/2010  
Contaminant Name: ENGINE OIL  
Contaminant Quantity: 45 L  
Incident Summary: Drexler Construction - 45L engine oil roadways.  
Incident Cause: Pipe Or Hose Leak  
Incident Reason: Equipment/Vehicles  
Nature of Impact: Other Impact(s)  
Receiving Medium:  
Environmental Impact: Not Anticipated

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**Site:** *Across from Briar Apts Guelph ON*

**Database:**  
*SPL*

Ref No.: 5368-7G3UWB  
Incident Dt:  
MOE Reported Dt: 6/29/2008  
Contaminant Name: SEWAGE,RAW UNCHLORINATED  
Contaminant Quantity: 0 other - see incident description  
Incident Summary: Guelph: Sanitary Sewer Surcharge  
Incident Cause: Other Discharges  
Incident Reason: Spill  
Nature of Impact: Soil Contamination  
Receiving Medium:  
Environmental Impact: Possible

---

**Site:** *City of Guelph  
100 meters South of York Road Guelph ON*

**Database:**  
*SPL*

Ref No.: 8158-9ECFAH  
Incident Dt: 2013/12/13  
MOE Reported Dt: 2013/12/13  
Contaminant Name: SEWAGE,RAW UNCHLORINATED  
Contaminant Quantity: 0 other - see incident description  
Incident Summary: Guelph manhole surcharging, raw sewage to cb  
Incident Cause: Overflow/Surcharge  
Incident Reason: Blockage  
Nature of Impact: Surface Water Pollution  
Receiving Medium:



Environmental Impact: Confirmed

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**Site:** **Guelph ON** **Database:**  
**WWIS**

Well ID:	7116477	Lot:	
Concession:		Concession	
County:	WELLINGTON	Name:	
Easting Nad83:	561908	Municipality:	GUELPH CITY
Zone:	17	Northing	4819799
Primary Water Use:	Not Used	Nad83:	
Sec. Water Use:		Utm Reliability:	margin of error : 10 - 30 m
Pump Rate:		Construction	04-SEP-08
Flow Rate:		Date:	
Specific Capacity:		Well Depth:	
Construction Method:		Static Water	
Elevation (m):	330.65	Level:	
Depth to Bedrock:		Clear/Cloudy:	
Water Type:	Not stated	Final Well	Abandoned-Other
		Status:	
		Flowing (y/n):	
		Elevation	
		Reliability:	
		Overburden/Bedrock:	
		Casing	
		Material:	

---

**Site:** **Guelph ON** **Database:**  
**WWIS**

Well ID:	7125129	Lot:	
Concession:		Concession	
County:	WELLINGTON	Name:	
Easting Nad83:		Municipality:	GUELPH CITY
Zone:		Northing	
Primary Water Use:	Monitoring	Nad83:	
Sec. Water Use:		Utm Reliability:	unknown UTM
Pump Rate:		Construction	01-JUN-09
Flow Rate:		Date:	
Specific Capacity:		Well Depth:	m
Construction Method:		Static Water	
Elevation (m):		Level:	
Depth to Bedrock:		Clear/Cloudy:	
Water Type:		Final Well	Abandoned-Other
		Status:	
		Flowing (y/n):	
		Elevation	
		Reliability:	
		Overburden/Bedrock:	
		Casing	Not stated
		Material:	

--- Details ---

Thickness:		Original Depth:	m
Material Colour:		Material:	m

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**Site:** **Database:**  
**WWIS**

**Guelph ON**

<i>Well ID:</i>	7145092	<i>Lot:</i>	
<i>Concession:</i>		<i>Concession Name:</i>	
<i>County:</i>	WELLINGTON	<i>Municipality:</i>	GUELPH CITY
<i>Easting Nad83:</i>	561045	<i>Northing Nad83:</i>	4821255
<i>Zone:</i>	17	<i>Utm Reliability:</i>	margin of error : 30 m - 100 m
<i>Primary Water Use:</i>	Monitoring	<i>Construction Date:</i>	26-APR-10
<i>Sec. Water Use:</i>		<i>Well Depth:</i>	
<i>Pump Rate:</i>		<i>Static Water Level:</i>	1.5 m
<i>Flow Rate:</i>		<i>Clear/Cloudy:</i>	
<i>Specific Capacity:</i>		<i>Final Well Status:</i>	Abandoned-Other
<i>Construction Method:</i>	Boring	<i>Flowing (y/n):</i>	
<i>Elevation (m):</i>	312.6	<i>Elevation Reliability:</i>	
<i>Depth to Bedrock:</i>		<i>Overburden/Bedrock:</i>	
<i>Water Type:</i>		<i>Casing Material:</i>	Not stated

## Appendix: Database Descriptions

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

### **Abandoned Aggregate Inventory:**

Provincial [AAGR](#)

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

*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 Aug 2012*

### **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-Jan 2014*

### **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 all known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

*Government Publication Date: 2001-Jul 2014*

**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: 1948-2014*

**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: 1992, 1999-Jul 2014*

**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-Feb 2014*

**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 2015*

**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 MNM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

*Government Publication Date: 1886-Jan 2014*

**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 31 2011-Apr 2015*

**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 2015*

**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 CofA's 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 31, 2011-Apr 2015*

**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](#)

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

*Government Publication Date: 1999-Aug 2014*

**Environmental Issues Inventory System:**

Federal EIS

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 EIS 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\**

**List of TSSA Expired Facilities:**

Provincial EXP

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

*Government Publication Date: Current to Nov 2014*

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

*Government Publication Date: June 2000-Apr 2015*

**Fisheries & Oceans Fuel Tanks:**

Federal FOFT

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

*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: 2010-Nov 2014*

**Fuel Storage Tank - Historic:**

Provincial FSTH

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: 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-Apr 2014*

**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 all aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

*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: June 2009-2014*

**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: 2012*



**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 planimetric (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-Apr 2013*

**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: 1994-2012*

**National Defence & Canadian Forces Fuel Tanks:**

Federal NDFT

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

*Government Publication Date: Up to May 2001\**

**National Defence & Canadian Forces Spills:**

Federal NDSP

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

*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 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 all previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

*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. All federal out-of-service PCB containing equipment and all PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. 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: 1993-2013*

**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](http://www.nickles.com).

*Government Publication Date: 1988-Mar 2015*

**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, well cap date, licence no., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

*Government Publication Date: 1800-2013*

**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*

**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 2015*

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

*Government Publication Date: 1920-Jan 2005\**

**Pesticide Register:**

Provincial [PES](#)

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

*Government Publication Date: 1988-Jun 2013*

**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: June 2009-2014*

**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 2015*

**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-Mar 2015*

**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-Jul 2014*

**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-Feb 2014*

**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: 1990-2011*

**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-Mar 2007*

**TSSA Variances for Abandonment of Underground Storage Tanks:**

Provincial VAR

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

*Government Publication Date: Current to Nov 2014*

**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-Apr 2015*

**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: 1955-Mar 2014*

# 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.

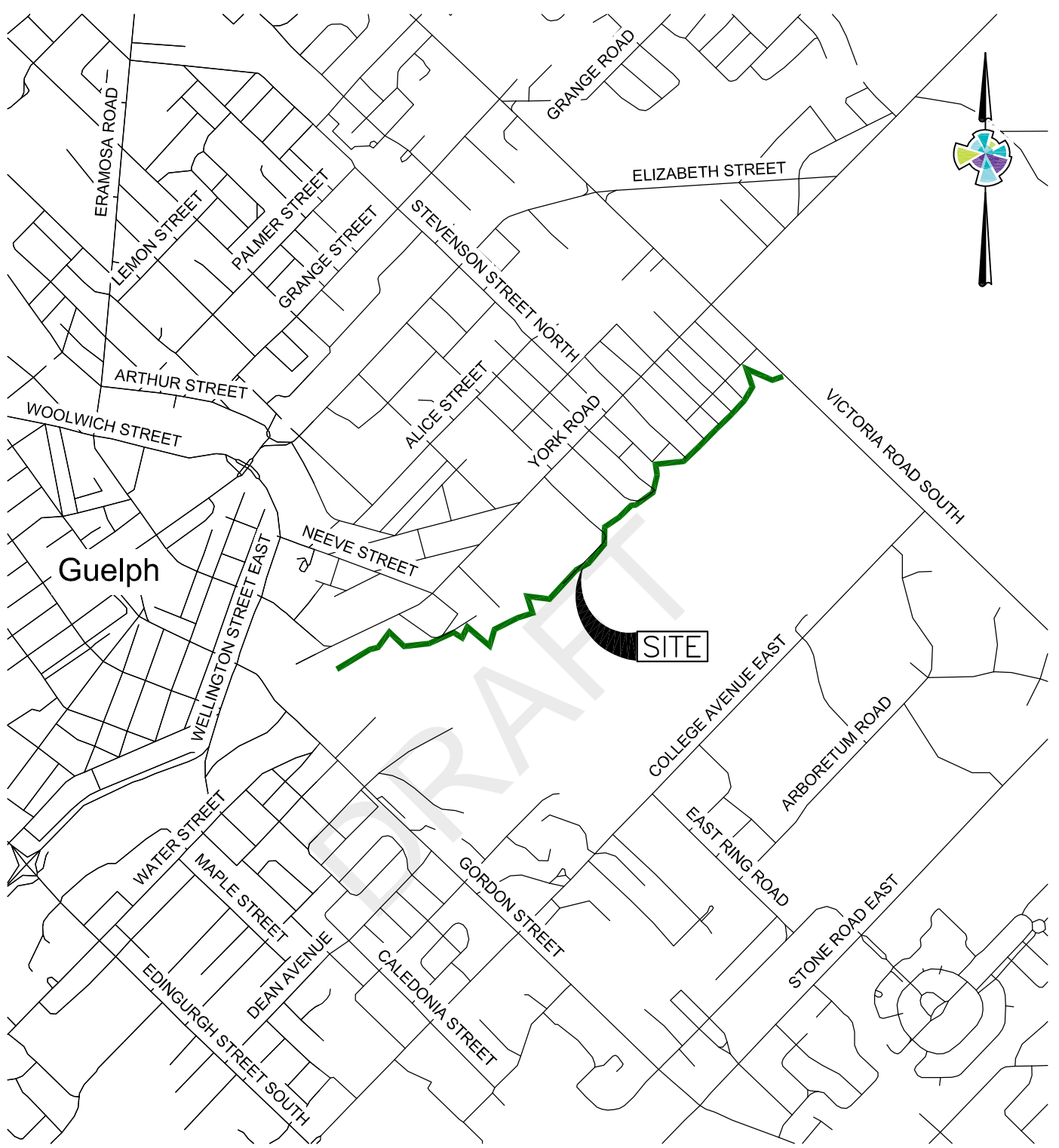
'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

**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 were included as reference.

## **APPENDIX B – Amec Foster Wheeler Borehole and Testpit Locations and Logs**



Guelph

SITE

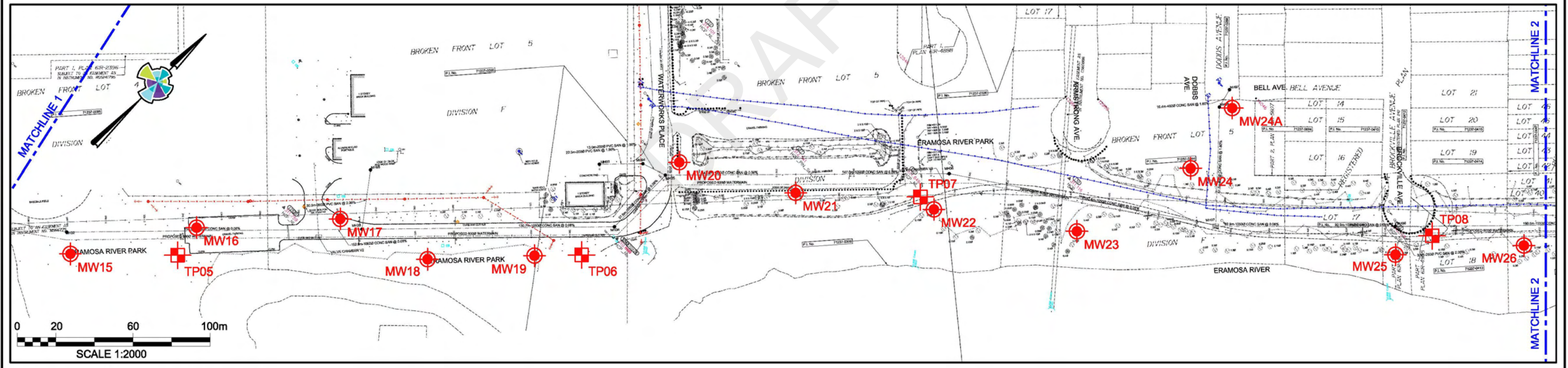
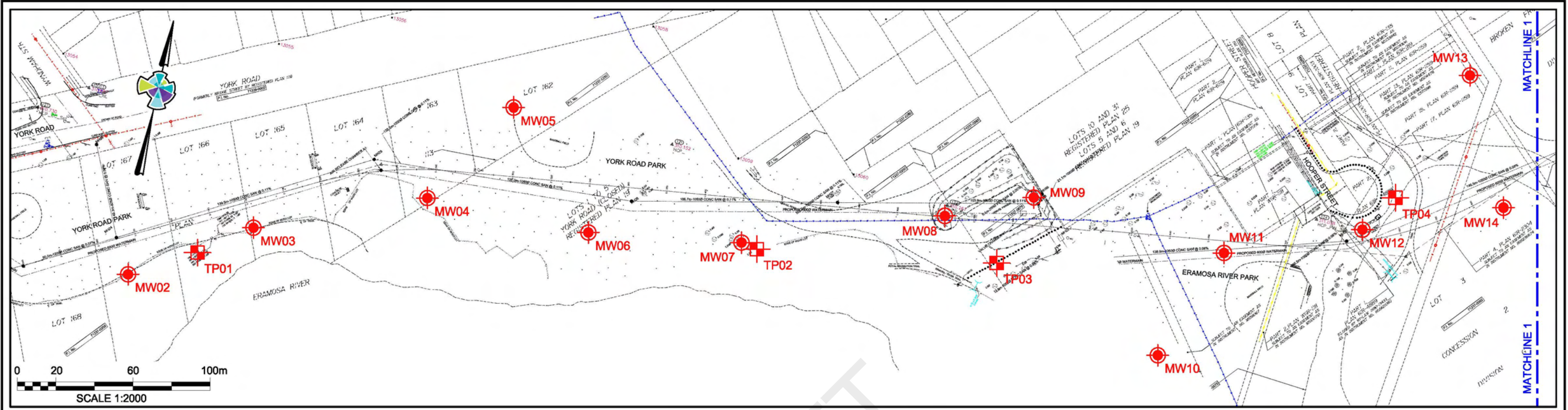
NOTES:  
 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE  
 AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 REPORT No. SWC157090. ALL LOCATIONS ARE APPROXIMATE.

REFERENCES:  
 CANMAP STREETFILES V2008.4.

CLIENT: <b>THE CITY OF GUELPH</b> 1 CARDEN STREET GUELPH, ONTARIO		TITLE: <b>KEY PLAN</b>		PROJECT: GEOTECHNICAL AND HYDROGEOLOGICAL INVESTIGATION YORK SANITARY SEWER AND PAISLEY-CLYTHE WATERMAIN PHASE 2 GUELPH, ONTARIO		
Amec Foster Wheeler Environment & Infrastructure 10-900 MAPLE GROVE ROAD CAMBRIDGE, ONTARIO N3H 4R7 519-650-7121				DATUM: NAD83	PROJECTION: UTM Zone 17	DATE: JULY 6, 2015
				DWN BY: SJL	REV. No: 0	PROJECT No: SWC157090
				CHK'D BY: MC	SCALE: 1:20000	FIGURE No: 1

DATE PLOTTED: 7/6/2015 6:23:40 PM  
 FILE LOCATION: P:\2015 Geotechnical Projects\Other Offices\Cambridge\SWC157090 - City of Guelph - York Sanitary Sewer and Watermain, Guelph\Drafting\AutoCAD files\SWC157090-R01001.dwg





**LEGEND:**  
 MONITORING WELL LOCATION  
 TEST PIT LOCATION

**NOTES:**  
 THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE REPORT No. SWC157090.  
 ALL LOCATIONS ARE APPROXIMATE.

**REFERENCES:**  
 DRAWINGS BASED ON PLANS BY MMM GEOMATICS ONTARIO LIMITED, "TOPOGRAPHIC PLAN OF GUELPH FEEDERMAIN-PHASE II, CITY OF GUELPH, COUNTY OF WELLINGTON", DATE OF SURVEY: JANUARY 6, 2014, JOB No. 10-14-079-001-202, DRAWING No. 10-14-079-001, TAB No.'s AO, AO (2), & AO (3); CANMAP STREETFILES V2008.4

**CLIENT:**  
**THE CITY OF GUELPH**  
 1 CARDEN STREET  
 GUELPH, ONTARIO

**Amec Foster Wheeler**  
 Environment & Infrastructure  
 10-900 MAPLE GROVE ROAD  
 CAMBRIDGE, ONTARIO  
 N3H 4R7  
 519-650-7121



**DWN BY:** SJL  
**CHK'D BY:** MC  
**DATUM:** NAD83  
**PROJECTION:** UTM Zone 17  
**SCALE:** 1:2000

**PROJECT:** GEOTECHNICAL AND HYDROGEOLOGICAL INVESTIGATION  
 YORK SANITARY SEWER AND  
 PAISLEY-CLYTHE WATERMAIN PHASE 2  
 GUELPH, ONTARIO

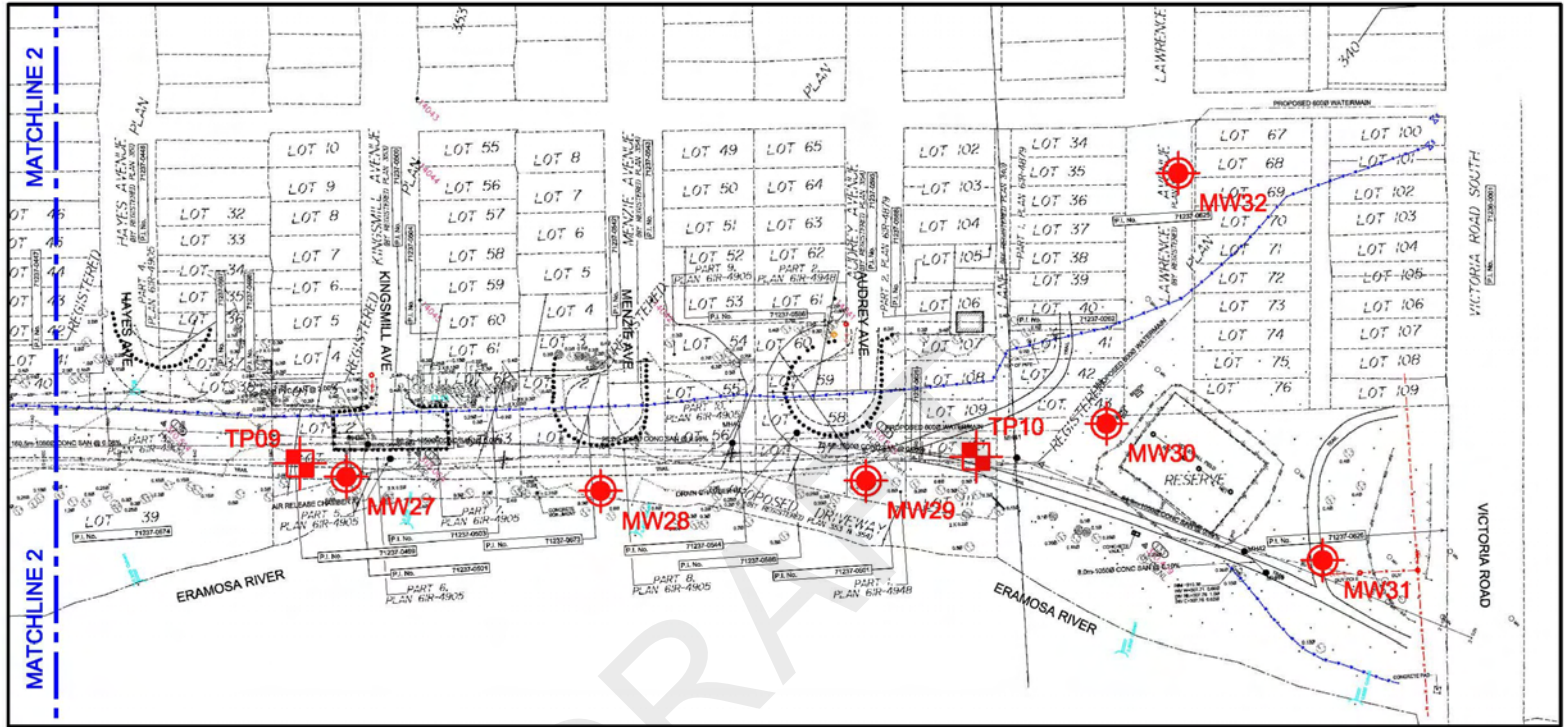
**TITLE:**  
**MONITORING WELL/TEST PIT LOCATION PLAN**

**DATE:** JULY 6, 2015  
**PROJECT No:** SWC157090  
**REV No:** 0  
**FIGURE No:** 2A



DATE PLOTTED: 7/6/2015 3:13:45 PM  
 FILE LOCATION: P:\2015\Geotechnical\Projects\Other\Office\Cambridge\SWC157090 - City of Guelph - York Sanitary Sewer and Watermain, Guelph\Drilling\AutoCAD files\SWC157090-101002.dwg



DATE PLOTTED: 7/6/2015 5:18:40 PM  
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**LEGEND:**

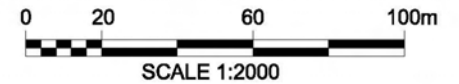
-  MONITORING WELL LOCATION
-  TEST PIT LOCATION



**NOTES:**

THIS DRAWING SHOULD BE READ IN CONJUNCTION WITH THE AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE REPORT No. SWC157090.  
 ALL LOCATIONS ARE APPROXIMATE.

**REFERENCES:**

DRAWINGS BASED ON PLANS BY MMM GEOMATICS ONTARIO LIMITED, "TOPOGRAPHIC PLAN OF GUELPH FEEDERMAIN-PHASE II, CITY OF GUELPH, COUNTY OF WELLINGTON", DATE OF SURVEY: JANUARY 6, 2014, JOB No. 10-14-079-001-202, DRAWING No. 10-14-079-001, TAB No.'s AO, AO (2), & AO (3); CANMAP STREETFILES V2008.4



<b>CLIENT:</b> <b>THE CITY OF GUELPH</b> 1 CARDEN STREET GUELPH, ONTARIO		<b>DWN BY:</b> SJL	<b>PROJECT:</b> GEOTECHNICAL AND HYDROGEOLOGICAL INVESTIGATION YORK SANITARY SEWER AND PAISLEY-CLYTHE WATERMAIN PHASE 2 GUELPH, ONTARIO	<b>DATE:</b> JULY 6, 2015
<b>Amec Foster Wheeler          Environment &amp; Infrastructure</b> 10-900 MAPLE GROVE ROAD CAMBRIDGE, ONTARIO N3H 4R7 519-650-7121		<b>CHK'D BY:</b> MC		<b>PROJECT No.:</b> SWC157090
 		<b>DATUM:</b> NAD83	<b>TITLE:</b> <b>MONITORING WELL/TEST PIT LOCATION PLAN</b>	<b>REV. No.:</b> 0
		<b>PROJECTION:</b> UTM Zone 17		<b>FIGURE No.:</b> 2B
		<b>SCALE:</b> 1:2000		

# RECORD OF MONITORING WELL No. 02 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Auger  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 20, 15 Date Completed: Apr 20, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561384.77 N4821128.84 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE	SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80		
Geodetic Ground Surface Elevation: 310.4 m										
<b>TOPSOIL</b> 100 mm	SS	1	67	6		310	○	5.0	○	- Top of Pipe Elevation 310.395 m
<b>FILL</b> dark brown to black, silty sand, some topsoil, moist, compact - some slag/asphalt - like material, very loose at 0.3m  - tar/asphalt - like material, loose at 1.5m	SS	2	41	3	1	309	○	5.0	○	- Environmental Sample for SS2/SS3 for O. Reg 153 Inorganics and Metals
	SS	3	16	4	2	308	○	5.0	○	- Corrosivity Package at 2.4m
<b>FILL</b> mottled light brown to grey, sandy silt, fibrous peat inclusions, trace clay, wet, very loose	SS	4	16	2		308.1	○	10.0	○	
	SS	5	16	23	3	307.4	○	10.0	○	
<b>SAND AND GRAVEL</b> grey, some organics, some silt, occasional peat inclusions, moist, compact	SS	6	67	50@125	4	306.3	○	0.0	○	
- silty clay, grey, very stiff, trace sand, trace gravel at 4.0m weathered bedrock	RC	C-1	100			4.1				
<b>DOLOMITIC LIMESTONE</b> - light grey - Moderately weathered, moderately fractured, thin bedded - RQD=20% - intensely to moderately fractured, frequent vugs/voids, thin bedded - Fossil at 5.0 m - RQD=29% - grey, occasional vugs/voids, intensely fractured - RQD=10%	RC	C-2	100		5	305				--- Estimated depth of Sanitary/Watermain
	RC	C-3	100		6	304				
<b>END OF BOREHOLE</b>					7	303.2				
						7.2				

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 www.amecfw.com

Groundwater measured at a depth of 2.3 m upon completion of drilling.  
 Groundwater depth observed on 04/06/2015 at a depth of: 2.2 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 03 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Auger  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 21, 15 Date Completed: Apr 21, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561442.75 N4821166.81 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE	SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT		
<p>Geodetic Ground Surface Elevation: 310.3 m</p> <p><b>TOPSOIL</b> 310.1 200mm 0.2</p> <p><b>FILL</b> light brown to black, some sand, some slag, trace cobbles, loose</p> <p>- metal debris at 0.9m</p> <p>- organics/topsoil - peat - like, very loose, wet at 2.4m</p> <p>- thin layer of dark grey to black fibrous peat, some wood debris</p> <p>- sand layer with organic peat/rootlets, pieces of wood debris, wet at 3.2m</p> <p><b>SILT</b> 306.5 3.8 light grey, trace clay, trace organics, very soft, wet</p> <p><b>DOLOMITIC LIMESTONE</b> 305.6 4.7 - Light grey, fractured, frequent vugs/voids, thin bedded - coarse to medium grained - RQD= 44% - grey, fine grained below 5.49m</p> <p>- grey, intensely fractured, small voids, thin bedded - RQD= 21%</p> <p><b>END OF BOREHOLE</b> 303.3 7.0</p>										
	SS	1	51	4	310	310	○	65.0*		- Top of Pipe Elevation 310.125 m
	SS	2	25	6	1	309	○	50.0*		- Environmental Sample for SS1/SS2 for O. Reg 153 Inorganics and Metals
	SS	3	0	2	2	308	○	106		
	SS	4	51	1	3	307	○	65.0*		
	SS	5	51	1	3	307	○	55.0*		
	SS	6	16	4	4	306	○	55.0*		
	SS	7	0	50@125	5	305	○			--- Estimated depth of Sanitary/Watermain
	RC	C-1	100		6	304	○			
	RC	C-2	100		7	303	○			

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 www.amecfw.com

▽ Groundwater measured at a depth of 2.3 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 2.0 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 04 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Auger  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 21, 15 Date Completed: Apr 21, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561527.24 N4821201.63 Reviewed by: TG Revision No.: 1



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wheeler

Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
<b>DESCRIPTION</b>	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remoulded Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Atterberg Limits Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) Δ Total Organic Vapour (ppm) ○ Moisture Content (%)		
Geodetic Ground Surface Elevation: 310.5 m TOPSOIL 200mm FILL black, silt and sand, some slag and brick debris, loose FILL light brown sand, black pockets, occasional slag - moist at 1.5m - cobbles at 2.3m - organic, dark brown to black, peat-like, some rootlets, wet at 2.4m	SS 1 SS 2 SS 3 SS 4	41 33 25 33	4 5 4 3	310 309 308 307 306 305 304	1.0 0.0 0.0 0.0 0.0 0.0	28 14 19	- Top of Pipe Elevation 310.396 m - Environmental Sample for SS2/SS3 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4 --- Estimated depth of Sanitary/Watermain
DOLOMITIC LIMESTONE some organic in-fillings, weathered, wet - light grey, intensely fractured, frequent vugs/voids, thin bedded - RQD= 24% - moderately fractured at 3.6m - frequent vugs/voids, thin bedded, intensely fractured - darker grey below 5.18m - crystal in-fillings at 5.75 m - RQD= 41% - fine grained below 5.8m - grey, occasional vugs/voids, thin bedded, intensely fractured, crystal fillings - RQD= 10% - fossil at 6.4, vertical fracture at 6.5m	SS 5 RC C-1 RC C-2 RC C-3	100 89 100 100	50@150 150 100 100	307 306 305 304	0.0 0.0 0.0 0.0	190 190 190 190	
END OF BOREHOLE				303.5			

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▽ Groundwater measured at a depth of 2.3 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 2.0 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF MONITORING WELL No. 05 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 20, 15 Date Completed: Apr 20, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561560.40 N4821257.24 Reviewed by: TG Revision No.: 1



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wheeler

Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits				
<b>DESCRIPTION</b>	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remoulded Nilcon Vane* Intact ◆ Remoulded Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) Δ Total Organic Vapour (ppm) O Moisture Content (%) 25 50 75 100 125		
Geodetic Ground Surface Elevation: 310.8 m							
TOPSOIL 250mm 310.6	SS 1	1	310.6	○ 0.0	○ 0.0		- Top of Pipe Elevation 310.701 m
FILL ligh brown slag and sand, some silt, moist - brown, some sandy silt, moist at 0.7m	SS 2	2	310.3	○ 20	○ 20		- Environmental Sample for SS2/SS3 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
	SS 3	3	309.9	○ 0.0	○ 63		
	SS 4	4	308.5	○ 0.0	○ 13		- Corrosivity Package at 2.4m
FILL brown sand, some silt to silty, some gravel, some organics - weathered limestone pieces at 2.8m	SS 5	5	307.8				
DOLOMITIC LIMESTONE - ligh grey, moderately fractured, occasional vugs, thin bedded, thick laminated - RQD= 30%	RC C-1	6	307.8				
	RC C-2	7	306.5				
- thin bedded, moderately fractured, occasional vugs/small voids at 5.4m - RQD= 36% - grey, fine grained below 5.5m	RC C-3	8	304.8				--- Estimated depth of Sanitary/Watermain
- thin bedded, intently fractured - RQD= 11%		9	303.8				
END OF BOREHOLE							

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 1.8 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 06 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clyde Watermain, Phase 2 Date Started: Apr 20, 15 Date Completed: Apr 21, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561612.45 N4821202.80 Reviewed by: TG Revision No.: 1



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Lithology Plot	LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS	
	DESCRIPTION	DEPTH (m)	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing	Atterberg Limits			
	Geodetic Ground Surface Elevation: 310.3 m												
	TOPSOIL 250mm	310.1	SS	1	51	4		310	○ SPT	○ Intact	○ W <sub>p</sub>	○ W <sub>L</sub>	- Top of Pipe Elevation 310.052 m
	FILL ligh grey, slag and sand, loose to very loose  - glass debris, some sand at 0.9m	0.3	SS	2	33	3	1	309	● DCPT	◇ Intact	○ Plastic	○ Liquid	- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals
	FILL grey-brown, sand and gravel, saturated	308.8	SS	3	8	1	2	308	△ Intact	◇ Remould	* Combustible Soil Vapours (ppm)	* Combustible Soil Vapours (%LEL)	
	FILL grey, sand, some silt, copper wires debris	307.3	SS	4	33	5	3	307	▲ Remould	◇ Remould	△ Total Organic Vapour (ppm)	○ Moisture Content (%)	
	FILL grey, sand, some silt, copper wires debris	3.0	SS	5	133	12	4	306	■ Undrained Shear Strength (kPa) (from P. Penetrometer tests)	○ MTO Vane*			
	DOLOMITIC LIMESTONE - weathered, ligh grey, intensely fractured, frequent vugs/voids, thin bedded, coal in-fillings - RQD= 37%	305.6	RC	C-1	100	50@150	5	305					----- Estimated depth of Sanitary/Watermain
	DOLOMITIC LIMESTONE - grey, intensely fractured, frequent vugs, thin bedding, sandy/silty infilling from 6.4 m to 7.2 m - crystal in-fillings at 6.7 m - RQD= 11%	4.7	RC	C-2	100		6	304					
	END OF BOREHOLE	303.3					7	303					
		7.0											

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▽ Groundwater measured at a depth of 1.5 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 2.0 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 07 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clyde Watermain, Phase 2 Date Started: Apr 27, 15 Date Completed: Apr 27, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561692.06 N4821214.37 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80		
Geodetic Ground Surface Elevation: 309.9 m										
TOPSOIL 150mm	SS	1	41	4		309.8				- Top of Pipe Elevation 309.824 m
FILL topsoil, sand mixed with slag, loose to very loose  - black pockets of sand	SS	2	33	3		309		60.0 * 33 40.0 * 67		- Environmental Sample for SS2/SS3 for O. Reg 153 Inorganics and Metals
FILL brown, sandy silt, some organics, gravel, very soft	SS	3	41	3		308.4		70.0 * 47		- 75 mm cemented metal casing
- 100 mm layer grey to light grey marl	SS	4	33	1		308		70.0 *		
PEAT black, moist, woody	SS	5	8	1		307.5		40.0 * 55		
SAND and GRAVEL grey, poorly graded, saturated	SS	6	207	21		307		45.0 * 9		--- Estimated depth of Sanitary/Watermain
DOLOMITIC LIMESTONE - weathered, light grey, frequent vugs/voids, thin bedded, high degree of cementation, coarse to medium grained  - RQD= 24% - intercrystalline at 5.3m	RC	C-1	100			306.1				Open hole in bedrock from 4.6m to 8.7m
- grey, moderately fractured, frequent vugs/voids, thin bedded, fine grained  - RQD= 30% - Test UCS - Axial = 95.5 MPa - medium strong	RC	C-2	100			305.3				
- fractured, small frequent voids, medium vug at 8.2m, thin bedded  - RQD= 41%	RC	C-3	100			304				
END OF BOREHOLE						301.2				

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 0.9 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 07A Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Date Started: Apr 28, 15 Date Completed: Apr 28, 15  
Watermain, Phase 2  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561691.01 N4821215.27 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 309.9 m										
	Refer to Lithology on MW/BH07					1	309				- Top of Pipe Elevation 309.741 m
						2	308				
						3	307				
						4	306				--- Estimated depth of Sanitary/Watermain

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 0.8 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF MONITORING WELL No. 08 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 27, 15 Date Completed: Apr 27, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561790.64 N4821258.048 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) ◆ Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
Geodetic Ground Surface Elevation: 310.0 m											
TOPSOIL 300mm	309.7	SS	1	75	11						- Top of Pipe Elevation 309.847 m
FILL brown, sand and gravel, compact, moist	0.3										
FILL black, sand, trace gravel, glass debris, moist	309.3	SS	2	84	17	1	309				- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
- brown to dark brown, fibrous peat, trace wood, very loose - glass and ceramic debris at 1.8m	0.8										
- clayey silt, slight odour, trace gravel, occasional cobbles, wet at 2.3m		SS	3	75	2	2	308				
		SS	4	25	24						
SAND AND GRAVEL grey, very dense, saturated	307.0	SS	5	75	41	3	307				- Environmental Sample for SS5 for O. Reg 153 Inorganics and Metals
Weathered bedrock at 4.1m	305.9					4	306				---- Estimated depth of Sanitary/Watermain
DOLOMITIC LIMESTONE - light grey, intensely fractured, frequent vugs at 4.4m, thin bedded	304.8	RC	C-1	100		5	305				
- RQD= 0% - intercrystalline at 4.3 m - grey, intensely fractured, frequent vugs/voids, thin bedded		RC	C-2	100		6	304				
- RQD= 30% - Test UCS - Axial = 156.8 MPa - very strong - intercrystalline at 5.8 m		RC	C-3	100		7	303				
- moderately to intensely fractured, occasional vugs, thin bedded - RQD= 10% - fossil moulds at 6.5 m											
END OF BOREHOLE	302.9										
	7.2										

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 0.9 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 09 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 24, 15 Date Completed: Apr 24, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561833.42 N4821271.45 Reviewed by: TG Revision No.: 1



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Lithology Plot	LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS	
	DESCRIPTION	DEPTH (m)	ELEVATION (m)	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	Penetration Testing ○ SPT ● DCPT	Atterberg Limits W <sub>p</sub> W <sub>L</sub> Plastic Liquid				
	Geodetic Ground Surface Elevation: 310.0 m												
	TOPSOIL 150mm	309.8 309.7		SS	1	75	18	○					- Top of Pipe Elevation 309.757 m
	FILL sand and gravel, road base-like material	0.3											
	FILL black to brown, silt with organics, some rootlets	309.2 0.8		SS	2	41	11	○					- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals
	FILL black, sand, coal-tar-like smell												
				SS	3	41	5	○					
	- black, woody peat, wood debris at 2.4m	307.5 307.4		SS	4	33	50@125	○					
	SAND light to dark brown	2.3 307.1											
	SILTY CLAY grey, some cobbles, moist	2.9		RC	C-1	133							
	DOLOMITIC LIMESTONE - weathered, intensely fractured, frequent voids - light grey intensely moderately fractured, frequent vugs/voids, thin bedded - occasional fossil at 3.1m			RC	C-2	100							
	- RQD= 41%												
	- grey, moderately to intensely fractured - brown oxidation throughout all fractures, occasional voids, thin bedded			RC	C-3	100							
	- RQD= 37%												
	- moderately to intensely fractured, thin bedded			RC	C-4	100							
	- RQD= 36%												
	END OF BOREHOLE	302.2 7.8											

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▽ Groundwater measured at a depth of 1.7 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 0.9 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 10 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 24, 15 Date Completed: Apr 24, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561914.14 N4821206.14 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	○ SPT ● DCPT	MTO Vane* Intact Remould Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Nilcon Vane* Intact Remould	Plastic Liquid		
<b>Geodetic Ground Surface Elevation: 310.6 m</b>							
<b>TOPSOIL</b> 150mm	310.4 0.2						
<b>FILL</b> dark brown sand, some silt, some slag black charcoal-like material, loose black sand, metal debris, trace topsoil, trace brick debris	SS 1 51 6						- Top of Pipe Elevation 310.399 m
	SS 2 41 8						
	SS 3 25 5						
black peat, rootlets, wood chips	SS 4 33 2						- Environmental Sample for SS3/SS4 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
	SS 5 8 0						- Penetration by weight of the hammer
<b>FILL</b> brown, sandy silt, very loose, moist	307.5 3.0						
	SS 6 33 19						
<b>SANDY SILT</b> grey, saturated, trace Marl	306.8 3.8						
	SS 7 51 13						- Corrosivity Package at 4.5m --- Estimated depth of Sanitary/Watermain
- some gravel at 4.6m - wet at 4.8m							
	SS 8 51 16						
<b>CLAYEY SILT</b> grey, till, sandy, gravelly, very stiff to hard, at plastic limit	304.5 6.1						- Hydrometer Analysis #14360 Gravel: 25% Sand: 27% Silt: 36% Clay: 12% LL: 15%, PL: 11% UMSCS: CL-ML
	SS 9 51 33						
<b>END OF BOREHOLE</b>	302.3 8.2						

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 2.2 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 11 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clyde Watermain, Phase 2 Date Started: Apr 24, 15 Date Completed: Apr 24, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E561935.86 N4821265.36 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	○ SPT ● DCPT	○ Intact ◇ Intact ▲ Remould ◆ Remould	○ Moisture Content (%) * Combustible Soil Vapours (ppm) ◆ Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm)	
Geodetic Ground Surface Elevation: 310.8 m							
TOPSOIL 100mm	SS 1	41	17			0.0	- Top of Pipe Elevation 310.679 m
FILL sand and gravel, occasional cobbles	SS 2	16	13			1.0	
- asbestos-like material, white glass, black sand at 0.85m	SS 3	51	9			1.0	- Environmental Sample for SS3 for O. Reg 153 Inorganics and Metals
- occasional slag at 1.5m	SS 4	25	2			1.0	
- fibrous peat, trace gravel, mixed fill in between at 2.3m	SS 5	75	1			1.0	
- 150 mm black, fibrous peat at 3.0m	SS 6	25	6			1.0	
MARL light grey, silt, some sand, trace clay, very soft, wet	SS 7	51	9			1.0	
SILT grey, some organics, moist, soft, black pockets, peat-like	SS 8	75	31			1.0	
SILTY CLAY grey, some sand, stiff	SS 9	84	24			1.0	----- Estimated depth of Sanitary/Watermain
SAND AND GRAVEL grey, dense, saturated							
SILTY CLAY grey, till, some sand, very stiff, at plastic limit							

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▽ Groundwater measured at a depth of 4.7 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 2.0 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 12 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clyde Watermain, Phase 2** Date Started: **Apr 23, 15** Date Completed: **Apr 23, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562003.09 N4821292.97** Reviewed by: **TG** Revision No.: **1**



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Lithology Plot	LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
	DESCRIPTION	Geodetic Ground Surface Elevation: 310.8 m	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) ◆ Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%)		
	<b>TOPSOIL</b> 150mm	310.7 0.2	SS	1	75	14		310	0.0	1.0		- Top of Pipe Elevation 310.748 m
	<b>FILL</b> dark brown, sand, glass, asphalt, debris, moist - coal-like pieces, sandy silt seam		SS	2	41	3		310		16		- Environmental Sample for SS2/SS3 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
	<b>FILL</b> brown, occasional wood debris, some organics, black charcoal-like debris coal-tar-like odour - black, landfill odour, wet, landfill debris, some sand, some gravel, coal-tar-like odour at 2.3m	309.3 1.5	SS	3	75	23		309	2.0	20.0		
	<b>FILL</b> - frequent stained gravel, slag-like, strong odour, wet at 3.0m		SS	4	16	3		308	3.0	3.0		
	<b>FILL</b> - black, landfill debris at 4.6m		SS	5	25	3		307	15.0	21.0		
	<b>SAND AND GRAVEL</b> grey, saturated, landfill odour, cobbles	305.5 5.3	SS	6	8	2		306	0.0	3.0		---- Estimated depth of Sanitary/Watermain
	<b>SAND</b> grey, coarse grained sand, trace silt, saturated	304.7 6.2	SS	7	75	69		305	6.0	40.0		- Grainsize Analysis #14357 Gravel: 50% Sand: 41% Silt: 9% Meet OPSS - Granular B-1 specification
	<b>SAND AND GRAVEL</b> grey, occasional cobbles, very dense, saturated		SS	8	51	66		304	6.0	40.0		- Environmental Sample for SS7 for O. Reg 153 Inorganics and Metals
	<b>SILTY CLAY</b> grey, moist, some sand, very stiff	303.2 7.6	SS	9	100	19		303	0.0	1.0		
	<b>END OF BOREHOLE</b>	302.6 8.2						302		13		

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on **04/06/2015** at a depth of: **2.3 m**.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 13 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **Apr 23, 15** Date Completed: **Apr 23, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562039.81 N4821383.11** Reviewed by: **TG** Revision No.: **1**



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	○ SPT ● DCPT	○ Plastic ○ Liquid		
Geodetic Ground Surface Elevation: 312.1 m							
TOPSOIL 200mm 311.9 0.2	SS 1	59	13				- Top of Pipe Elevation 312.056 m
FILL brown, gravel and sand, some cobbles, some brick fragments, compact to loose							
	SS 2	8	17				
- dark brown, brick pieces at 1.5m							
	SS 3	33	8				
	SS 4	41	5				- Environmental Sample for SS3/SS4 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4 - Corrosivity Package at 2.3m
FILL brown, sand and gravel, very loose, moist							
	SS 5	51	15				
- occasional brick fragments, cobbles, black asphalt at 3.0m							
	SS 6	67	2				
- black, amorphous, fibrous, peat, very loose							
	SS 7	75	2				
MARL light grey, silt, some fine sand, trace clay, wet 307.5 4.6							
SAND AND GRAVEL grey, occasional cobbles, compact to dense, saturated 307.2 4.9							
	SS 8	43	16				- sheen noted in water
	SS 9	75	34				--- Estimated depth of Sanitary/Watermain
	SS 10	100	81				
SAND grey, fine to medium grained, saturated 304.5 7.6							
SAND AND GRAVEL grey, some cobbles, very dense, saturated 304.0 308.4							
SAND grey, saturated, coarse grained 304.4 8.2							
END OF BOREHOLE							

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▽ Groundwater measured at a depth of **5.3 m** upon completion of drilling.  
 ▽ Groundwater depth observed on **04/06/2015** at a depth of: **3.6 m**.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

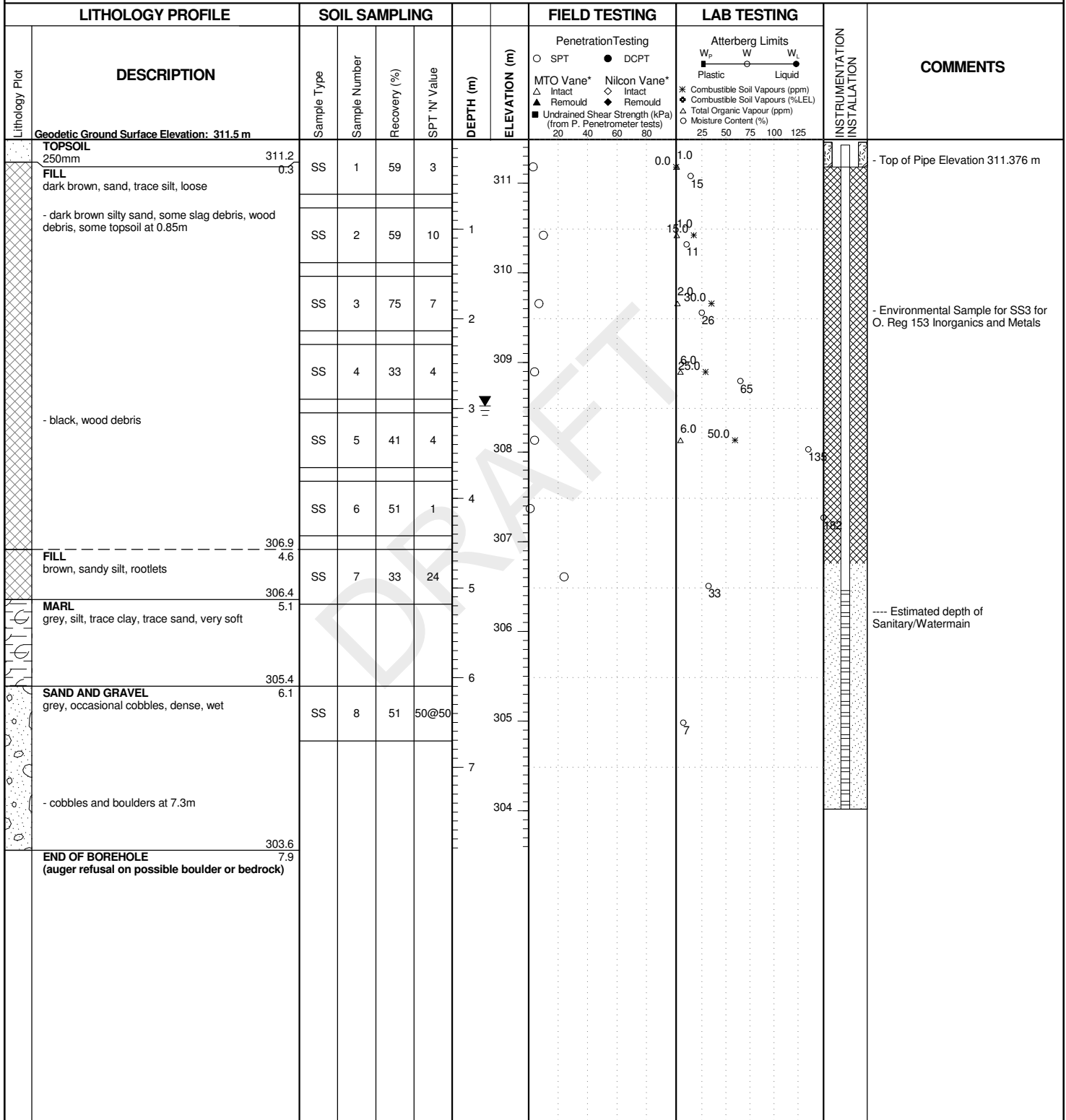


# RECORD OF MONITORING WELL No. 14 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 22, 15 Date Completed: Apr 23, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562071.86 N4821320.27 Reviewed by: TG Revision No.: 1



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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 3.0 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 15 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **Apr 22, 15** Date Completed: **Apr 22, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E5621234.49 N4821364.43** Reviewed by: **TG** Revision No.: **1**



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	○ SPT ● DCPT	○ Plastic ○ Liquid		
Geodetic Ground Surface Elevation: 311.2 m							
TOPSOIL 200mm	SS 1	67	6	311	0.0	24	- Top of Pipe Elevation 311.063 m
FILL dark brown, sand, some silt, some organics, some topsoil and brick debris	SS 2	8	9	310	0.0	2	
- organics, glass debris, slag-like material mixed with sand, becoming dark brown below 1.5m	SS 3	33	10	309	0.0	49	- Environmental Sample for SS3 for O. Reg 153 Inorganics and Metals
- landfill debris - strong odour, metal debris, plastic debris, sand at 2.1m	SS 4	16	1	308	5.0	3.0	
- landfill-like odour at 3.0m	SS 5	8	2	307	0.0	51	
MARL light grey, silt, sandy, some shells, some clay, wet	SS 6	75	0	306	0.0	102	- Hydrometer Analysis #14372 Sand: 24% Silt: 59% Clay: 17% Non Plastic MC: 97% - Penetration by weight of the hammer
	SS 7	100	0	305	0.0	91	--- Estimated depth of Sanitary/Watermain
SAND AND GRAVEL grey, some clay, some silt, trace cobbles	SS 8	84	52	304	5.0	3.0	- Corrosivity Package at 6.0m
	SS 9	60	50@150	303.3	0.0	7	
END OF BOREHOLE (auger and spoon refusal on possible boulder or bedrock)							

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on **04/06/2015** at a depth of: **2.9 m**.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF MONITORING WELL No. 16 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **Apr 28, 15** Date Completed: **Apr 28, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562160.70 N4821420.51** Reviewed by: **TG** Revision No.: **1**



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Lithology Profile	SOIL SAMPLING	FIELD TESTING	LAB TESTING	INSTRUMENTATION INSTALLATION	COMMENTS						
						DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)
Geodetic Ground Surface Elevation: 311.1 m											
LITHOLOGY PROFILE FILL 200 mm, brown, sand and gravel FILL brown, sand and gravel, occasional asphalt pieces, brick debris, occasional cobble, compact FILL dark grey to black, sand, metal and plastic debris, compact to very loose - organics, rubber, metal and glass debris, slight odour at 2.4m - peat and organics below 2.6m MARL light grey, silt, some sand, some shells, trace clay, very soft, wet SAND AND GRAVEL grey, trace cobbles, very dense, saturated END OF BOREHOLE	SS	1	75	30	311	311	○	○	1.0	165.0	- Top of Pipe Elevation 310.971 m  - Environmental Sample for SS3 for O. Reg 153 Inorganics and Metals, PAHs, PCB, PHC F1 to F4  --- Estimated depth of Sanitary/Watermain - Penetration by weight of the hammer - Environmental Sample for SS8 for O. Reg 153 Inorganics and Metals
	SS	2	8	13	1	310	○	○	2.0	75.0*	
	SS	3	75	11	2	309	○	○	1.0	80.0*	
	SS	4	25	2	3	308	○	○	8.0	155.0	
	SS	5	16	2	4	307	○	○	9.0	145.0	
	SS	6	8	3	5	306	○	○	3.0	85.0*	
	SS	7	100	0	6	305	○	○	1.0	75.0*	
	SS	8	100	0	7	304	○	○	1.0	75.0*	
	SS	9	59	76	8	303	○	○	3.0	85.0*	
	SS	10	67	>50 @ 430mm	9	302	○	○	1.0	80.0*	
	SS	11	84	64	10	301	○	○	4.0	200.0*	

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 3.0 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 17 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **Apr 29, 15** Date Completed: **Apr 29, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562209.70 N4821476.65** Reviewed by: **TG** Revision No.: **1**



Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
<b>Geodetic Ground Surface Elevation: 311.6 m</b> <b>TOPSOIL</b> 250mm <b>FILL</b> brown, sand and gravel, occasional cobble, compact to very loose  - organics, black pockets, landfill odour, moist  - landfill debris - strong odour, metal debris, plastic debris, some sand  - plastic and rubber, strong odour at 4.0m  - 25mm of peat, fibrous at 5.5m	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	
	SS	1	59	5	311.4	311.4	
	SS	2	59	15	311.0	311.0	
	SS	3	33	9	310.0	310.0	
	SS	4	0	2	309.0	309.0	
	SS	5	8	2	308.0	308.0	
	SS	6	25	4	307.0	307.0	
	SS	7	8	3	306.1	306.1	
	SS	8	25	11	306.1	306.1	
	SS	9	59	39	305.0	305.0	
	SS	10	59	38	303.4	303.4	
<b>END OF BOREHOLE</b>					8.2	303.4	

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▽ Groundwater measured at a depth of **5.6 m** upon completion of drilling.  
 ▽ Groundwater depth observed on **04/06/2015** at a depth of: **3.7 m**.  
 Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 18 Co-Ord. NAD 83



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Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **Apr 29, 15** Date Completed: **Apr 29, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562256.27 N4821494.25** Reviewed by: **TG** Revision No.: **1**

Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	○ SPT ● DCPT	○ Intact △ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests)	○ Plastic ○ Liquid	* Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%)		
Geodetic Ground Surface Elevation: 311.5 m							
<b>TOPSOIL</b> 200mm 311.2 0.2	SS 1	59	17				- Top of Pipe Elevation 311.270 m
<b>FILL</b> brown, sand and gravel, trace silt, occasional cobbles, compact - becoming dark grey, some black sand below 1.2m - wood debris, fibrous peat, concrete pieces at 2.4m - slag at 3.0m	SS 2 SS 3 SS 4 SS 5	59 51 8 8	21 17 4 3	○ ○ ○ ○	○ ○ ○ ○	○ ○ ○ ○	- Environmental Sample for SS3 for O. Reg 153 Inorganics and Metals
<b>MARL</b> light grey, silt, some sand, some shells, trace clay, very soft, moist-wet	SS 6	100	0	○	○	○	- Penetration by weight of the hammer --- Estimated depth of Sanitary/Watermain
<b>SAND AND GRAVEL</b> grey, saturated, compact - occasional cobble at 7.6m	SS 7 SS 8 SS 9	33 51 60	17 18 >50 @ 150	○ ○ ○	○ ○ ○	○ ○ ○	
<b>END OF BOREHOLE</b>							

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 3.6 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 19 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **Apr 29, 15** Date Completed: **Apr 30, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562293.85 N4821534.97** Reviewed by: **TG** Revision No.: **1**



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Lithology Plot	LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING			INSTRUMENTATION INSTALLATION	COMMENTS	
	DESCRIPTION	DEPTH (m)	ELEVATION (m)	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	Penetration Testing	Atterberg Limits					
	Geodetic Ground Surface Elevation: 311.2 m													
	TOPSOIL 350 mm	310.8	311	SS	1	59	6							- Top of Pipe Elevation 310.970 m
	FILL mottled brown to grey, sand, occasional cobbles, dense	0.4												
	- saturated sand and gravel at 1.5m													
	- black sand and landfill debris - wood, rubber, metal and glass debris, strong odour below 2.4m, loose													- Environmental Sample for SS2/SS3 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
	PEAT black, fibrous, moist	3.5	308	SS	5	41	5							
	MARL light grey, silt, some sand, some shells, some clay, very soft, wet	4.2	307	SS	6	100	2							- Corrosivity Package at 4.6m - Penetration by weight of the hammer --- Estimated depth of Sanitary/Watermain
	SAND AND GRAVEL grey, saturated, dense	5.5	306	SS	7	100	0							
	- very dense													- Environmental Sample for SS8 for O. Reg 153 Inorganics and Metals
	END OF BOREHOLE	7.5	304	SS	9	84	52							

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No freestanding groundwater observed in open borehole upon completion of drilling.  
 Groundwater depth observed on **04/06/2015** at a depth of: **3.3 m**.  
 Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 20 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 30, 15 Date Completed: Apr 30, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562312.10 N4821622.26 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE	SOIL SAMPLING				DEPTH (m)	ELEVATION (m)	FIELD TESTING	LAB TESTING	INSTRUMENTATION INSTALLATION	COMMENTS
	DESCRIPTION	Sample Type	Sample Number	Recovery (%)			SPT 'N' Value	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests)		
Geodetic Ground Surface Elevation: 311.5 m										
FILL 200mm, brown, sand and gravel, moist 311.3 FILL dark brown, sand, some gravel, trace peat, compact to loose - brown, some glass debris, black slag below 1.2m 310.0 SAND AND GRAVEL brown, trace silt, occasional cobble, moist, dense 1.5 - becoming saturated below 4.6m 305.0 SILTY CLAY grey, till, some sand, hard, at plastic limit 6.6 304.0 END OF BOREHOLE 7.5	SS	1	51	21		311	○	1.0 3	175.0	- Top of Pipe Elevation 311.416 m
		SS	2	41	6	1	310	○	1.0 13	145.0
	SS	3	84	37	2	309	○	2.0 5	90.0 *	- Grainsize Analysis #14371 Gravel: 50% Sand: 41% Silt: 9% Meet OPSS - Granular B-1 specification
	SS	4	51	34	3	308	○	1.0 5	60.0 *	
	SS	5	25	38	4	307	○	2.0 7	55.0 *	
	SS	6	51	43	5	306	○	2.0 12	55.0 *	--- Estimated depth of Sanitary/Watermain
	SS	7	84	54	6	305	○	2.0 13	45.0 *	
	SS	8	92	38	7	304	○	2.0 15	45.0 *	

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▽ Groundwater measured at a depth of 4.1 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 3.8 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 21 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: Apr 30, 15 Date Completed: May 1, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562365.62 N4821654.17 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	○ SPT ● DCPT	MTO Vane* Intact Remould Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Nilcon Vane* Intact Remould	Plastic Liquid		
Geodetic Ground Surface Elevation: 311.5 m							
FILL brown, sand and gravel, occasional cobble, compact	SS 1 67 15						- Top of Pipe Elevation 311.358 m
FILL black sand, some slag, some glass debris, some gravel, compact	SS 2 41 12						- Environmental Sample for SS1/SS2 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
- becoming silty sand, dark brown, occasional black seams at 1.5m	SS 3 59 14						
SAND AND GRAVEL brown, trace silt, occasional cobble, moist, compact	SS 4 59 18						- Grainsize Analysis #14362 Gravel: 54% Sand: 37% Silt: 9% Meet OPSS - Granular B-1 Specification Proctor SPMDD: 2193 kg/m3 OMC: 5.4%
- becoming saturated at 4.6m	SS 5 59 27						
	SS 6 25 20						--- Estimated depth of Sanitary/Watermain
SILTY CLAY grey, till, some sand, very stiff to hard, moist	SS 7 84 24						- Slow drilling and grinding. Possible boulders below 5.5 m
	SS 8 100 40						
END OF BOREHOLE							

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▽ Groundwater measured at a depth of 4.3 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 3.8 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF MONITORING WELL No. 22 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: May 1, 15 Date Completed: May 1, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562422.01 N4821699.14 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	○ SPT ● DCPT	MTO Vane* Intact Remould Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Niilon Vane* Intact Remould	* Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%)		
Geodetic Ground Surface Elevation: 310.7 m							
<b>TOPSOIL</b> 100mm 310.6 0.7	SS 1	41	8				- Top of Pipe Elevation 310.588 m
<b>FILL</b> dark brown to black sand, some organics, some slag, some gravel, very loose to loose	SS 2	41	3				- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals
	SS 3	41	10				- Environmental Sample for SS3/SS4 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
<b>SAND AND GRAVEL</b> brown, trace silt, occasional cobble, compact, wet - becoming saturated	SS 4	41	18				
	SS 5	51	19				
	SS 6	51	15				--- Estimated depth of Sanitary/Watermain
<b>SILTY CLAY</b> grey, till, some sand, very stiff, at plastic limit	SS 7	92	27				- Hydrometer Analysis #14372 Gravel: 2% Sand: 18% Silt: 55% Clay: 25% LL: 21%, PL: 13% UMSCS: CL
	SS 8	100	24				
<b>END OF BOREHOLE</b>							

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∇ Groundwater measured at a depth of 2.2 m upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 2.3 m.

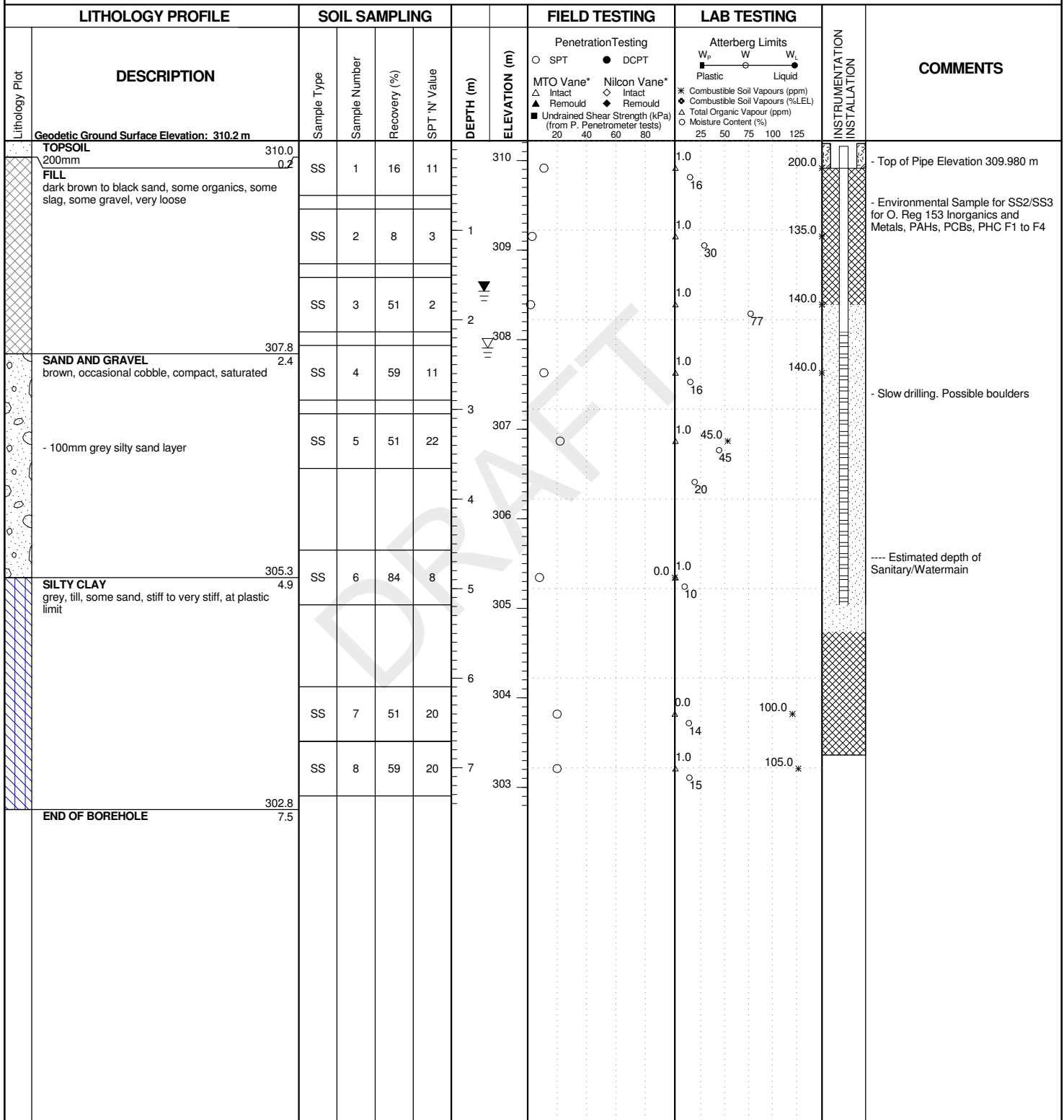
Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 23 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clyde Watermain, Phase 2 Date Started: May 1, 15 Date Completed: May 4, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562482.088 N4821743.964 Reviewed by: TG Revision No.: 1



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▽ Groundwater measured at a depth of 2.3 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 1.7 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF MONITORING WELL No. 24 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: May 4, 15 Date Completed: May 4, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562500.272 N4821808.78 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	○ SPT ● DCPT	MTO Vane* Intact Remould Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Nilcon Vane* Intact Remould	Plastic Liquid		
Geodetic Ground Surface Elevation: 310.6 m							
TOPSOIL 125mm 310.5 0.7	SS 1	75	10				- Top of Pipe Elevation 310.554 m
FILL brown, sand, some gravel, occasional cobble, moist 309.9	SS 2	75	30				- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals
SAND AND GRAVEL brown, occasional cobble, compact, moist 0.8	SS 3	75	25				
- becoming saturated at 2.1m	SS 4	84	29				
- very dense	SS 5	51	>15@380				- Drilled on to suspected bedrock, coring initiated, 355mm boulder cored. Moved 2m north to start a new hole --- Estimated depth of Sanitary/Watermain
	SS 6	75	26				
SILTY CLAY grey, till, trace gravel, trace sand, hard, at plastic limit 305.2 5.5	SS 7	100	43				
	SS 8	100	92				
END OF BOREHOLE 303.2 7.5							

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▽ Groundwater measured at a depth of 2.1 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 1.4 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 24A Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: May 5, 15 Date Completed: May 5, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562493.14 N4821845.99 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ◊ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80		
Geodetic Ground Surface Elevation: 312.1 m										
TOPSOIL 330mm										
SAND AND GRAVEL brown, occasional cobble, compact, wet	SS	1	67	7		311.7				- Top of Pipe Elevation 311.928 m
						311.0				- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals
						310.0				- Corrosivity Package at 1.5m
						309.0				- Slow drilling. Possible cobbles
						308.0				
SANDY SILT brown, till, trace clay, very dense, moist	SS	6	84	54		307.0				--- Estimated depth of Sanitary/Watermain
						306.0				
						305.0				
END OF BOREHOLE						304.9				

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▽ Groundwater measured at a depth of 3.0 m upon completion of drilling.  
 ▽ Groundwater depth observed on 03/06/2015 at a depth of: 2.5 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 25 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **May 5, 15** Date Completed: **May 6, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562606.498 N4821852.95** Reviewed by: **TG** Revision No.: **1**



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
<b>DESCRIPTION</b>	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remould Nilcon Vane* Intact ◆ Remould Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) ◆ Combustible Soil Vapours (%LEL) ▲ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
Geodetic Ground Surface Elevation: 309.1 m							
<b>TOPSOIL</b> 300mm 308.8	SS 1 51 13		309	○	45.0*		- Top of Pipe Elevation 308.930 m
<b>FILL</b> brown, sand and gravel, brick debris, occasional cobbles, compact 0.3	SS 2 16 11		308	○	45.0*		- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
<b>PEAT</b> dark brown to black, fibrous, wood chips, moist 1.5	SS 3 25 3		307	○	80.0*		
<b>MARL</b> light grey, silt, some sand, some shells, trace clay, very soft, wet 2.4	SS 4 100 0		306.8	○	35.0*		- Corrosivity Package at 2.4m - Penetration by the weight of the hammer
	SS 5 100 0		306	○	50*		--- Estimated depth of Sanitary/Watermain
	SS 6 100 0		305	○	20.0*		
	SS 7 100 0		304	○	1.0		
	SS 8 100 0		303	○	0.0		
	SS 9 100 18		301.4	○	1.0		
<b>SANDY SILT</b> grey, very soft, moist 301.1			301	○	0.0		
<b>SAND AND GRAVEL</b> grey, saturated, compact 8.1				○	52		
<b>SILTY CLAY</b> grey, till, trace sand, very stiff, wetter than plastic limit 8.7 300.1	SS 10 75 23		300.4	○	1.0		
<b>END OF BOREHOLE</b> 9.0				○	16		

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 0.7 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

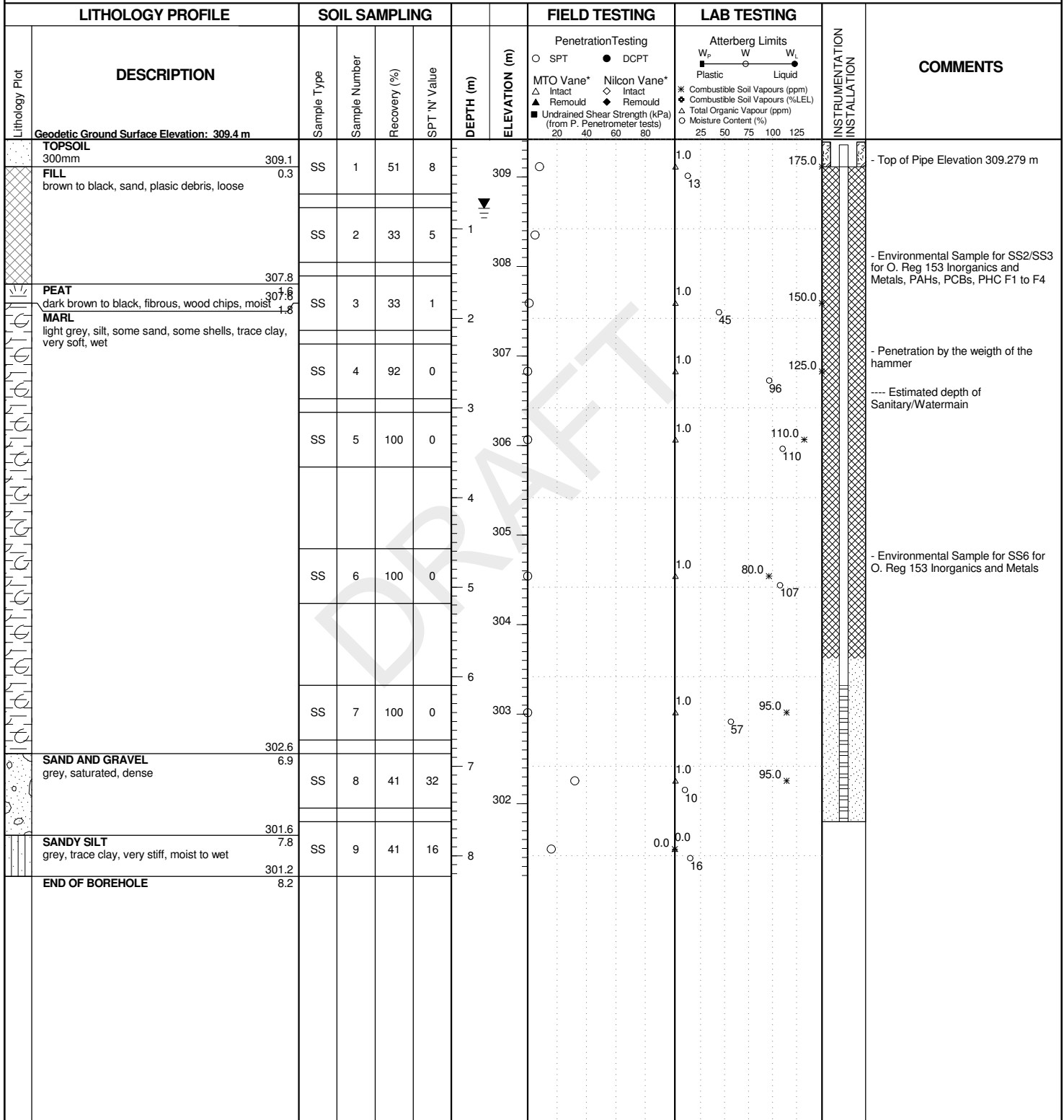
Page: 1 of 1

# RECORD OF MONITORING WELL No. 26 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clyde Watermain, Phase 2 Date Started: May 6, 15 Date Completed: May 6, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562649.84 N4821903.71 Reviewed by: TG Revision No.: 1



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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 0.8 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 27 Co-Ord. NAD 83

Project Number: **SWC157090** Drilling Method: **200 mm Hollow Stem Augers**  
 Project Client: **City of Guelph** Drilling Machine: **Track Mounted Drill**  
 Project Name: **York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2** Date Started: **May 6, 15** Date Completed: **May 6, 15**  
 Project Location: **Guelph, Ontario** Logged by: **HP** Compiled by: **MC**  
 Drilling Location: **E562709.89 N4821968.10** Reviewed by: **TG** Revision No.: **1**



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
<b>DESCRIPTION</b>	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remoulded Nilcon Vane* Intact ◆ Remoulded Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) Δ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
Geodetic Ground Surface Elevation: 309.7 m							
<b>TOPSOIL</b> 100mm 309.6	SS 1	84	7	○ 18	210.0		- Top of Pipe Elevation 309.601 m
<b>FILL</b> mottled grey to brown, sand, trace rootles, some slag, loose to dense	SS 2	51	41	○ 13	180.0		- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals
308.2							
<b>PEAT</b> 1.5 308.2	SS 3	41	7	○ 74	55.0		
<b>MARL</b> 2.4 307.3	SS 4	100	0	○ 110	0.0		----- Estimated depth of Sanitary/Watermain
<b>MARL</b> light grey, silt, some sand, some shells, trace clay, very soft, wet	SS 5	100	0	○ 110	0.0		
	SS 6	100	0	○ 98	0.0		
	SS 7	100	2	○ 74	250.0		
- dark grey, some gravel	SS 8	100	75	○ 9	310.0		
302.7							
<b>SAND AND GRAVEL</b> 7.0 302.7	SS 9	84	38	○ 9	270.0		
<b>END OF BOREHOLE</b> 8.2 301.5							

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 1.2 m.

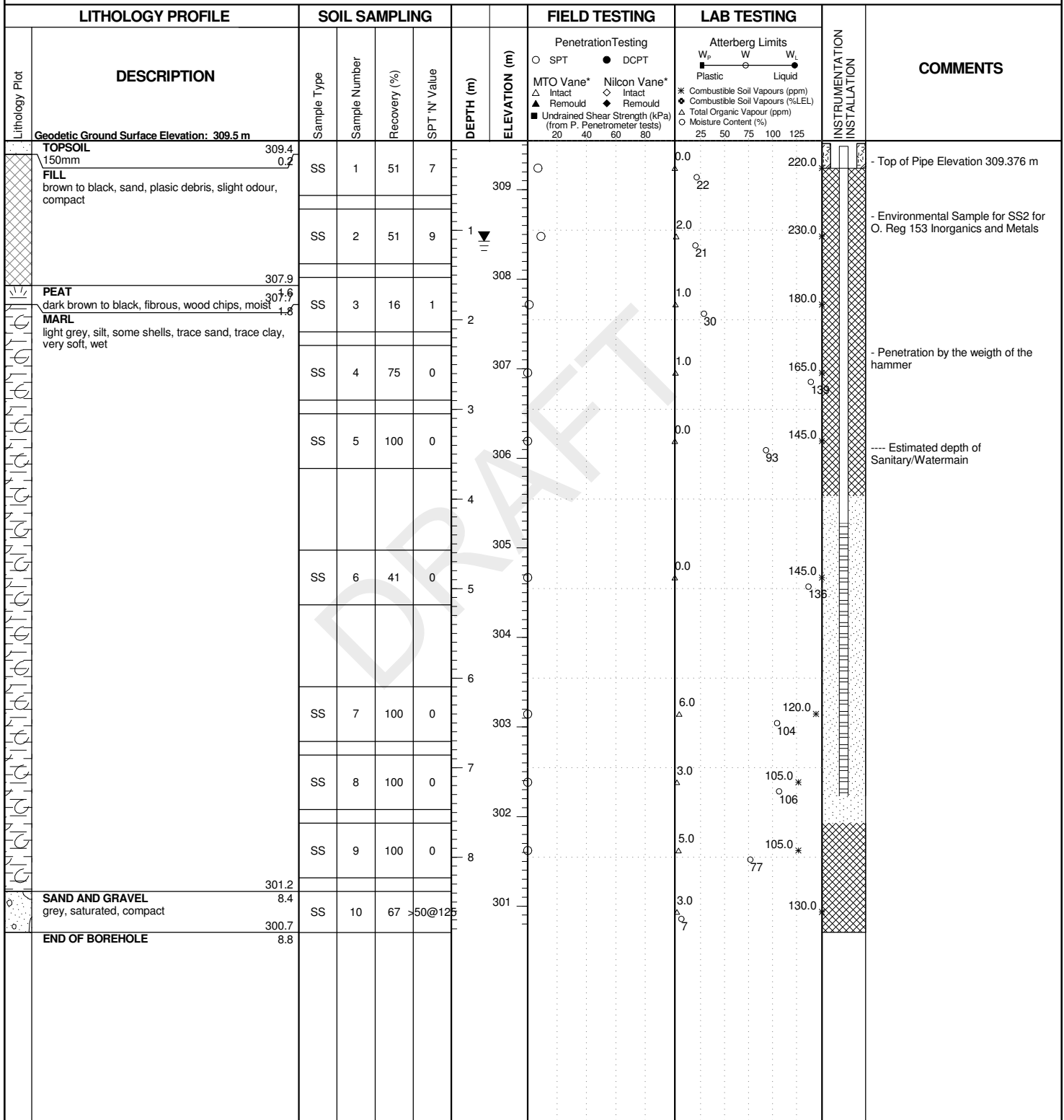
Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 28 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: May 7, 15 Date Completed: May 7, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562759.69 N4822013.37 Reviewed by: TG Revision No.: 1



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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 1.1 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF MONITORING WELL No. 29 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clyde Watermain, Phase 2 Date Started: May 11, 15 Date Completed: May 11, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562806.99 N4822065.19 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ▲ Remould ◆ Nilcon Vane* Intact ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests)		
Geodetic Ground Surface Elevation: 310.0 m										
TOPSOIL 400mm	SS	1	75	8		309.6		2.0	130.0	- Top of Pipe Elevation 309.957 m
FILL brown, sand, some slag, very loose	SS	2	33	1	1	309		17		- Environmental Sample for SS2/SS3 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
- becoming black, tar-like material, odour noted at 1.5m	SS	3	16	0	2	308				
PEAT brown, fibrous, moist	SS	4	16	3	3	307		2.0	135.0 123	
MARL light grey, silt, some shells, trace sand, trace clay, very soft, wet	SS	5	100	0	4	306		2.0	105.0 122	
	SS	6	100	0	5	305		2.0	70.0 *	---- Estimated depth of Sanitary/Watermain - Environmental Sample for SS6 for O. Reg 153 Inorganics and Metals
	SS	7	100	0	6	304		2.0	70.0 *	
	SS	8	100	0	8	302		4.0	65.0 * 94	
	SS	9	100	25	9	301		3.0	65.0 * 41	
SANDY SILT grey, compact, saturated	SS	10	75	29	10	300		6.0	35.0 * 10	
SAND AND GRAVEL grey, trace silt, compact, wet										
END OF BOREHOLE						299.4 10.7				

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 1.5 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 30 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: May 11, 15 Date Completed: May 11, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562840.82 N4822121.08 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
<b>DESCRIPTION</b>	Sample Type Sample Number Recovery (%) SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact ◊ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) ◆ Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
Geodetic Ground Surface Elevation: <u>311.2 m</u>							
<b>TOPSOIL</b> 300mm 310.9	SS 1	51	8				
<b>FILL</b> brown, sand, some brick debris, asphalt - like debris, moist 0.3	SS 2	67	6				- Top of Pipe Elevation 311.055 m
	SS 3	67	1				- Environmental Sample for SS3 for O. Reg 153 Inorganics and Metals
	SS 4	33	1				
<b>PEAT</b> light brown, fibrous, moist 2.3	SS 5	41	3				--- Estimated depth of Sanitary/Watermain
	SS 6	16	>50@100				
<b>MARL</b> light grey, silt, some shells, some clay, very soft, wet 3.7							
	SS 7	75	24				
<b>SAND AND GRAVEL</b> brown, occasional cobble, very dense, saturated 4.6							
<b>END OF BOREHOLE</b> 6.7							

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▽ Groundwater measured at a depth of 3.7 m upon completion of drilling.  
 ▽ Groundwater depth observed on 04/06/2015 at a depth of: 2.5 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF MONITORING WELL No. 31 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: May 7, 15 Date Completed: May 7, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562906.64 N4822136.34 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	○ SPT ● DCPT	MTO Vane* Intact Remould Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Nilcon Vane* Intact Remould	Plastic Liquid		
Geodetic Ground Surface Elevation: 310.2 m							
TOPSOIL 200mm	310.0						
FILL brown to black, sand, plastic and metal debris, slight odour, some slag, moist	SS 1 33 27	○			0.0	380.0	- Top of Pipe Elevation 310.091 m
	SS 2 84 5	○			12.0	330.0	- Environmental Sample for SS2 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
	SS 3 75 16	○			10.0	530.0	
PEAT dark brown to black, fibrous, moist to wet	307.9						
	SS 4 51 12	○			2.0	400.0	--- Estimated depth of Sanitary/Watermain
MARL light grey, silt, some shells, trace clay, very soft, moist-wet	306.9						
	SS 5 8 0	○			2.0	400.0	- Penetration by the weight of the hammer
	SS 6 75 0	○			1.0	230.0	
	SS 7 75 0	○			1.0	310.0	
SAND AND GRAVEL grey, occasional cobble, saturated, very dense	303.4						
	SS 8 84 73	○			3.0	330.0	
	SS 9 84 44	○			3.0	135.0	
END OF BOREHOLE	302.0						
	8.2						

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.  
 ∇ Groundwater depth observed on 04/06/2015 at a depth of: 1.6 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF MONITORING WELL No. 32 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 200 mm Hollow Stem Augers  
 Project Client: City of Guelph Drilling Machine: Track Mounted Drill  
 Project Name: York Sanitary Trunk Sewer and Paisley - Clythe Watermain, Phase 2 Date Started: May 8, 15 Date Completed: May 8, 15  
 Project Location: Guelph, Ontario Logged by: HP Compiled by: MC  
 Drilling Location: E562806.88 N4822181.07 Reviewed by: TG Revision No.: 1



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Lithology Profile	SOIL SAMPLING	FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
		Penetration Testing	Atterberg Limits	W <sub>p</sub>	W <sub>L</sub>		
DESCRIPTION	Sample Type Sample Number Recovery (%) SPT 'N' Value	○ SPT ● DCPT	MTO Vane* Intact Remould Nilcon Vane* Intact Remould Undrained Shear Strength (kPa) (from P. Penetrometer tests)	Plastic Liquid	25 50 75 100 125		
Geodetic Ground Surface Elevation: 311.7 m							
FILL 150mm granular fill 311.4 0.3	SS 1	25	12				
FILL brown, sand and gravel, some oxidation, compact, moist							
- trace organics at 1.5m	SS 2	25	35				
	SS 3	51	37				
SAND AND GRAVEL brown, occasional cobble, very dense, moist							
- becoming saturated at 3.0m	SS 4	75	53				
	SS 5	75	57				
	SS 6	84	36				
	SS 7	84	48				
END OF BOREHOLE 305.0 6.7							

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Groundwater measured at a depth of 3.0 m upon completion of drilling.  
 Groundwater depth observed on 04/06/2015 at a depth of: 2.9 m.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 01 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: Apr 28, 15 Date Completed: Apr 28, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E561417.3 N4821147.8 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 310.0 m										
	TOPSOIL 250mm 309.8										
	FILL dark brown to light brown, sand and slag, some cobbles 0.2										
						1	309				
						2	308				
	- metal debris, cobbles, bottles, asphalt-like debris, moist at 2.4m - wood debris, dark grey, wet at 2.4m					3	307				
	SILT light grey, trace clay, trace organics, very soft, wet 3.0										
						4	306				
	CLAYEY SILT grey, trace sand and gravel, soft, wet 4.0										
	END OF TEST PIT ON BEDROCK SURFACE 4.4										

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▽ Groundwater measured at a depth of 4.2 m upon completion of drilling.

■ Cave in measured at a depth of 3.6 m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 02 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: Apr 28, 15 Date Completed: Apr 28, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E561699.5 N4821213.7 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 309.9 m										
	TOPSOIL 150mm 309.7										
	FILL dark brown sand and slag, some topsoil 0.2										
	- sandy silt, some organics, gravel at 1.5m					1	309				
	- organics, glass debris, metal debris, cobbles at 2.2m					2	308	■			- Quick seepage at 1.8m  - Environmental Sample at 2.2m for O. Reg 153 Inorganics and Metals, PAHs, PCB, PHC F1 to F4
	SAND AND GRAVEL grey, some clayey silt, some organics, saturated 307.1 2.7					3	307				
						4	306				---- Estimated depth of Sanitary/Watermain
	END OF TEST PIT ON BEDROCK SURFACE 305.4 4.5										- Bedrock encountered at 4.5m

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∇ Groundwater measured at a depth of 3.4 m upon completion of drilling.

■ Cave in measured at a depth of 2.1 m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 03 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: Apr 28, 15 Date Completed: Apr 28, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E561822.2 N4821234.2 Reviewed by: TG Revision No.: 1



LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane*    Nilcon Vane* △ Intact    ◇ Intact ▲ Remould    ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> W    W <sub>L</sub> Plastic    Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 309.3 m										
	TOPSOIL 200mm						309				
	FILL black to redish, sandy silt, asphalt-like debris, gravel debris, organics, some rootlets						308				- Quick seepage at 1.2m
	- black, fibrous peat, glass debris, some cobbles at 1.6m						307				- Environmental Sample at 1.6m for O, Reg 153 Inorganics and Metals, PAHs, PCB, PHC F1 to F4
	SILTY CLAY dark grey, some sand and gravel, some cobbles, trace organics, moist						306.7				
	END OF TEST PIT ON BEDROCK SURFACE						306.2				- Bedrock encountered at 3.0m

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▽ Groundwater measured at a depth of 2.5m upon completion of drilling.

■ Cave in measured at a depth of 1.5m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 04 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: Apr 28, 15 Date Completed: Apr 28, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E562016.1 N4821312.8 Reviewed by: TG Revision No.: 1



LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 311.1 m										
	TOPSOIL 300mm						311				
	FILL light brown sand and slag, some silt some gravel, glass debris, asphalt debris, moist						310.8				
	- black fibrous peat, landfill debris, metal, wet						1 310				
							2 309	■			- Quick seepage at 2.2m
							3 308				
	- dark brown silty sand fill, some sand and gravel, cobbles,						4 307				- Environmental Sample at 4.2m for O. Reg 153 Inorganics and Metals, PAHs, PCB, PHC F1 to F4
	END OF TEST PIT						306.4				---- Estimated depth of Sanitary/Watermain
							4.7				

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∇ Groundwater measured at a depth of 3.2 m upon completion of drilling.

■ Cave in measured at a depth of 2.4 m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 05 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: May 29, 15 Date Completed: May 29, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E562163.9 N4821403.4 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing			
								○ SPT	● DCPT	W <sub>p</sub>	W
Geodetic Ground Surface Elevation: 311.2 m											
<p><b>TOPSOIL</b> 300mm</p> <p style="text-align: right;">310.9</p>											
<p><b>FILL</b> sand, grey to black, some silt, metal and plastic debris</p> <p style="text-align: right;">0.3</p> <p style="text-align: center;">1</p> <p style="text-align: right;">310</p> <p style="text-align: center;">2</p> <p style="text-align: right;">309</p> <p style="text-align: center;">3</p> <p style="text-align: right;">308</p> <p style="text-align: center;">4</p> <p style="text-align: right;">307</p> <p>- organics, rubber, metal and glass debris, fiberglass debris, slight odour at 2.4m - organics, sand and gravel below 2.4m</p>											
<p><b>MARL</b> light grey, some shells, some sand, trace clay, occasional organic seams, very soft, moist-wet</p> <p style="text-align: right;">307.4</p> <p style="text-align: right;">3.8</p> <p style="text-align: center;">4</p> <p style="text-align: right;">306.4</p>											
<p><b>END OF TEST PIT</b></p> <p style="text-align: right;">4.8</p> <p style="text-align: right;">306.4</p> <p>---- Estimated depth of Sanitary/Watermain</p>											

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∇ No freestanding groundwater observed in open borehole upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF TEST PIT No. 06 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: May 29, 15 Date Completed: May 29, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E562310.7 N4821552.6 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane*   Nilcon Vane* △ Intact   ◇ Intact ▲ Remould   ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> W   W <sub>L</sub> Plastic   Liquid * Combustible Soil Vapours (ppm) ◆ Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 311.1 m										
	TOPSOIL 300mm						311				
	FILL brown to grey, sand, some gravel, occasional cobbles						310.8				
	- seepage, metal debris, asphalt-like debris, wood debris, fiberglass debris at 1.5m						0.3				
							1				- Moderate seepage at 1.5 m
							2				- Environmental Sample at 2.0 for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
							3				
	PEAT black, fibrous, moist						307.7				
							3.4				
	MARL light grey, very soft, some shells, trace sand, trace clay, occasional organic seams, moist-wet						307.1				
							4.0				
							4				---- Estimated depth of Sanitary/Watermain
	END OF TEST PIT						306.3				
							4.8				

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∇ Groundwater measured at a depth of 4.4 m upon completion of drilling.

■ Cave in measured at a depth of 3.4 m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.



# RECORD OF TEST PIT No. 07 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: May 29, 15 Date Completed: May 29, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E562412.4 N4821698.7 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) * Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 310.8 m										
	TOPSOIL 300mm						310.5				- Environmental Sample completed on BH22
	FILL dark brown to black silty sand and gravel, some organics, some slag, brick, glass and metal debris, moist						310.3				
							309.3				
							307.3				
	SAND AND GRAVEL brown to grey, occasional cobble, moist						307.0				- Seepage at 3.8m
							306.3				
	END OF TEST PIT						306.3				---- Estimated depth of Sanitary/Watermain

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▽ Groundwater measured at a depth of 3.8m upon completion of drilling.

■ Cave in measured at a depth of 2.0m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 08 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: May 30, 15 Date Completed: May 30, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E562612.9 N4821873.4 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Intact △ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 309.6 m										
	TOPSOIL 800mm						309.0				
	FILL brown, sand and gravel, trace silt, brick debris, slag debris, occasional cobbles, moist					1	309.0 308.3				
	PEAT organic silt, dark brown to black, wood chips, moist					2	308.3 307.4				
	MARL light grey, very soft, some shells, trac sand, trace clay, occasional organic seams, moist-wet					3	307.4 305.7				
	SAND AND GRAVEL grey, saturated, compact					4	305.7 304.8				
	END OF TEST PIT						304.8				

- Environmental Sample at 1.0m for  
O. Reg 153 Inorganics and Metals,  
PAHs, PCB, PHC F1 to F4

---- Estimated depth of  
Sanitary/Watermain  
- Seepage at 3.5m

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∇ Groundwater measured at a depth of 3.5m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 09 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: May 29, 15 Date Completed: May 29, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E562698.7 N4821961.9 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 309.9 m										
	TOPSOIL 400mm										
	309.5										
	FILL dark brown to black, silty sand, some slag, trace rootles, some gravel, moist										
	308.9										
	FILL black, sandy silt, asphalt- like debris, glass debris, metal debris, occasional cobble, wet										
	307.5										
	MARL light grey, very soft, some shells, some clay, some sand, occasional organic seams, moist-wet										
	305.1										
	END OF TEST PIT										
	305.1										
	4.8										

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∇ Groundwater measured at a depth of 4.6 m upon completion of drilling.

■ Cave in measured at a depth of 3.4 m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

# RECORD OF TEST PIT No. 10 Co-Ord. NAD 83

Project Number: SWC157090 Drilling Method: 600 mm 0.6m bucket  
 Project Client: City of Guelph Drilling Machine: Excavator  
 Project Name: York Sanitary Trunk Sewer and Paisley -Clythe Date Started: May 29, 15 Date Completed: May 29, 15  
 Project Location: Guelph, Ontario Logged by: SA Compiled by: MC  
 Drilling Location: E562822.8 N4822090.4 Reviewed by: TG Revision No.: 1



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LITHOLOGY PROFILE		SOIL SAMPLING				FIELD TESTING		LAB TESTING		INSTRUMENTATION INSTALLATION	COMMENTS
Lithology Plot	DESCRIPTION	Sample Type	Sample Number	Recovery (%)	SPT 'N' Value	DEPTH (m)	ELEVATION (m)	Penetration Testing ○ SPT ● DCPT MTO Vane* Nilcon Vane* △ Intact ◇ Intact ▲ Remould ◆ Remould ■ Undrained Shear Strength (kPa) (from P. Penetrometer tests) 20 40 60 80	Atterberg Limits W <sub>p</sub> — W — W <sub>L</sub> Plastic Liquid * Combustible Soil Vapours (ppm) * Combustible Soil Vapours (%LEL) △ Total Organic Vapour (ppm) ○ Moisture Content (%) 25 50 75 100 125		
	Geodetic Ground Surface Elevation: 310.3 m										
	TOPSOIL 400mm						310				
	FILL brown to black, sand some silt, some gravel, some slag, glass debris, metal debris, occasional cobble, moist						1 309				- Seepage at 1.8m
	- becoming wet at 2.4m						2 308				
	PEAT light brown, fibrous, moist						3 307				- Environmental Sample 2.4m for O. Reg 153 Inorganics and Metals, PAHs, PCBs, PHC F1 to F4
	MARL light grey, very soft, some shells, some sand, some clay, occasional organic seams, moist-wet						4 306				---- Estimated depth of Sanitary/Watermain
	END OF TEST PIT										

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∇ Groundwater measured at a depth of 3.0 m upon completion of drilling.

■ Cave in measured at a depth of 2.8 m upon completion of drilling.

Borehole details, as presented, do not constitute a thorough understanding of all potential conditions present and requires interpretive assistance from a qualified Geotechnical Engineer. Also, borehole information should be read in conjunction with the geotechnical report for which it was commissioned and the accompanying 'Explanation of Borehole Log'.

## EXPLANATION OF BOREHOLE LOG

This form describes some of the information provided on the borehole logs, which is based primarily on examination of the recovered samples, and the results of the field and laboratory tests. Additional description of the soil/rock encountered is given in the accompanying geotechnical report.

### GENERAL INFORMATION

Project details, borehole number, location coordinates and type of drilling equipment used are given at the top of the borehole log.

### SOIL LITHOLOGY

#### ***Elevation and Depth***

This column gives the elevation and depth of inferred geologic layers. The elevation is referred to the datum shown in the Description column.

#### ***Lithology Plot***

This column presents a graphic depiction of the soil and rock stratigraphy encountered within the borehole.

#### ***Description***

This column gives a description of the soil strata, based on visual and tactile examination of the samples augmented with field and laboratory test results. Each stratum is described according to the *Modified Unified Soil Classification System*.

The compactness condition of cohesionless soils (SPT) and the consistency of cohesive soils (undrained shear strength) are defined as follows (*Ref. Canadian Foundation Engineering Manual*):

Compactness of		Consistency of		Undrained Shear Strength	
Cohesionless	SPT N-Value	Cohesive Soils	kPa	psf	
Soils					
Very loose	0 to 4	Very soft	0 to 12	0 to 250	
Loose	4 to 10	Soft	12 to 25	250 to 500	
Compact	10 to 30	Firm	25 to 50	500 to 1000	
Dense	30 to 50	Stiff	50 to 100	1000 to 2000	
Very Dense	> 50	Very stiff	100 to 200	2000 to 4000	
		Hard	Over 200	Over 4000	

### Soil Sampling

Sample types are abbreviated as follows:

SS	Split Spoon	TW	Thin Wall Open (Pushed)	RC	Rock Core
AS	Auger Sample	TP	Thin Wall Piston (Pushed)	WS	Washed Sample

Additional information provided in this section includes sample numbering, sample recovery and numerical testing results.

### Field and Laboratory Testing

Results of field testing (e.g., SPT, pocket penetrometer, and vane testing) and laboratory testing (e.g., natural moisture content, and limits) executed on the recovered samples are plotted in this section.

### Instrumentation Installation

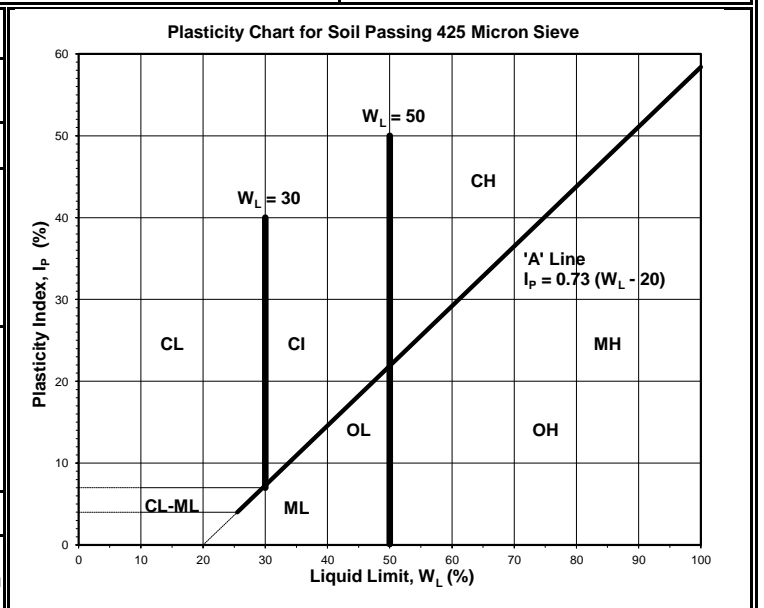
Instrumentation installations (monitoring wells, piezometers, inclinometers, etc.) are plotted in this section. Water levels, if measured during fieldwork, are also plotted. These water levels may or may not be representative of the static groundwater level depending on the nature of soil stratum where the piezometer tips are located, the time elapsed from installation to reading and other applicable factors.

MODIFIED \* UNIFIED CLASSIFICATION SYSTEM FOR SOILS

\*The soil of each stratum is described using the Unified Soil Classification System (Technical Memorandum 36-357 prepared by Waterways Experiment Station, Vicksburg, Mississippi, Corps of Engineers, U.S Army. Vol. 1 March 1953.) modified slightly so that an inorganic clay of "medium plasticity" is recognized.

MAJOR DIVISION		GROUP SYMBOL	TYPICAL DESCRIPTION	LABORATORY CLASSIFICATION CRITERIA	
COARSE GRAINED SOILS (MORE THAN HALF BY WEIGHT LARGER THAN 75µm)	GRAVELS MORE THAN HALF THE COARSE FRACTION LARGER THAN 4.75mm	CLEAN GRAVELS (TRACE OR NO FINES)	GW	WELL GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	$C_u = \frac{D_{60}}{D_{10}} > 4; C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} = 1 \text{ to } 3$
		DIRTY GRAVELS (WITH SOME OR MORE FINES)	GP	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES, LITTLE OR NO FINES	NOT MEETING ABOVE REQUIREMENTS
			GM	SILTY GRAVELS, GRAVEL-SAND- SILT MIXTURES	ATTERBERG LIMITS BELOW "A" LINE OR P.I MORE THAN 4
			GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES	ATTERBERG LIMITS BELOW "A" LINE OR P.I MORE THAN 7
	SANDS MORE THAN HALF THE COARSE FRACTION SMALLER THAN 4.75mm	CLEAN SANDS (TRACE OR NO FINES)	SW	WELL GRADED SANDS, GRAVELLY SANDS, LITTLE OR NO FINES	$C_u = \frac{D_{60}}{D_{10}} > 6; C_c = \frac{(D_{30})^2}{D_{10} \times D_{60}} = 1 \text{ to } 3$
		DIRTY SANDS (WITH SOME OR MORE FINES)	SP	POORLY GRADED GRAVELS, GRAVEL- SAND MIXTURES, LITTLE OR NO FINES	NOT MEETING ABOVE REQUIREMENTS
			SM	SILTY SANDS, SAND-SILT MIXTURES	ATTERBERG LIMITS BELOW "A" LINE OR P.I MORE THAN 4
			SC	CLAYEY SANDS, SAND-CLAY MIXTURES	ATTERBERG LIMITS BELOW "A" LINE OR P.I MORE THAN 7
FINE-GRAINED SOILS (MORE THAN HALF BY WEIGHT SMALLER THAN 75µm)	SILTS BELOW "A" LINE NEGLIGIBLE ORGANIC CONTENT	$W_L < 50\%$	ML	INORGANIC SILTS AND VERY FINE SANDS, ROCK FLOUR, SILTY SANDS OF SLIGHT PLASTICITY	CLASSIFICATION IS BASED UPON PLASTICITY CHART (SEE BELOW)
		$W_L < 50\%$	MH	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS, FINE SANDY OR SILTY SOILS	
	CLAYS ABOVE "A" LINE NEGLIGIBLE ORGANIC CONTENT	$W_L < 30\%$	CL	INORGANIC CLAYS OF LOW PLASTICITY, GRAVELLY, SANDY OR SILTY CLAYS, LEAN CLAYS	
		$30\% < W_L < 50\%$	CI	INORGANIC CLAYS OF MEDIUM PLASTICITY, SILTY CLAYS	
		$W_L < 50\%$	CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS	
	ORGANIC SILTS & CLAYS BELOW "A" LINE	$W_L < 50\%$	OL	ORGANIC SILTS AND ORGANIC SILTY CLAYS OF LOW PLASTICITY	WHENEVER THE NATURE OF THE FINES CONTENT HAS NOT BEEN DETERMINED, IT IS DESIGNATED BY THE LETTER "F". E.G SF IS A MIXTURE OF SAND WITH SILT OR CLAY
		$W_L < 50\%$	OH	ORGANIC CLAYS OF HIGH PLASTICITY	
	HIGH ORGANIC SOILS		Pt	PEAT AND OTHER HIGHLY ORGANIC SOILS	

SOIL COMPONENTS					
FRACTION	U.S STANDARD SIEVE SIZE		DEFINING RANGES OF PERCENTAGE BY WEIGHT OF MINOR COMPONENTS		
GRAVEL	COARSE	PASSING	RETAINED	PERCENT	DESCRIPTOR
		75 mm	19 mm	35-50	AND
SAND	FINE	19 mm	4.75 mm	20-35	Y/EY
		4.75 mm	2.00 mm	10-20	SOME
		2.00 mm	425 µm	1-10	TRACE
FINES (SILT OR CLAY BASED ON PLASTICITY)		75 µm			
OVERSIZED MATERIAL					
ROUNDED OR SUBROUNDED: COBBLES 75 mm to 300 mm BOULDERS > 300 mm			NOT ROUNDED: ROCK FRAGMENTS > 76 mm ROCKS > 0.76 CUBIC METRE IN VOLUME		



Amec Foster Wheeler Environment & Infrastructure  
 900 Maple Grove Road, Unit 10  
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Note 1: Soils are classified and described according to their engineering properties and behaviour.  
 Note 2: The modifying adjectives used to define the actual or estimated percentage range by weight of minor components are consistent with the Canadian Foundation Engineering Manual ( 3<sup>rd</sup> Edition, Canadian Geotechnical Society, 1992.)  
 Rev. 6 Jan '09





AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 04-JUN-15  
Report Date: 15-JUN-15 10:34 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1621945  
**Project P.O. #:** NOT SUBMITTED  
**Job Reference:** SWC157090  
**C of C Numbers:** 14-458704, 14-458706  
**Legal Site Desc:**

Mary-Lynn Pires  
Account Manager

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# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-1	BH/MW-02								
Sampled By: H. PADHAM on 03-JUN-15 @ 14:4									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.46		0.0030	mS/cm	04-JUN-15			
	pH	7.23		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	184		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	0.66		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	134		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	527		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	1.45		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	1.4		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	1.02		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	1.2		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	99400		500	ug/L	12-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	62.4		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-1	BH/MW-02								
Sampled By: H. PADHAM on 03-JUN-15 @ 14:4									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	90.9		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	96.4		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	11-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	11-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	87.0		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	74.9		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-1	BH/MW-02								
Sampled By: H. PADHAM on 03-JUN-15 @ 14:4									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	0.068		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	0.264		0.020	ug/L	10-JUN-15	1	1	1
	Anthracene	0.405		0.020	ug/L	10-JUN-15	*0.1	2.4	2.4
	Benzo(a)anthracene	1.03		0.020	ug/L	10-JUN-15	*0.2	*1	*1
	Benzo(a)pyrene	0.956		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	1.13		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Benzo(g,h,i)perylene	0.500		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	Benzo(k)fluoranthene	0.339		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Chrysene	0.943		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Dibenzo(ah)anthracene	0.141		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	2.17		0.020	ug/L	10-JUN-15	*0.4	*0.41	*0.41
	Fluorene	0.204		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	0.590		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	1+2-Methylnaphthalenes	0.150		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.071		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.078		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	0.200		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	1.21		0.020	ug/L	10-JUN-15	*0.1	*1	*1
	Pyrene	2.00		0.020	ug/L	10-JUN-15	*0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	85.8		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	74.8		50-140	%	10-JUN-15			
L1621945-2	BH/MW-07								
Sampled By: H. PADHAM on 03-JUN-15 @ 13:0									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	2.52		0.0030	mS/cm	04-JUN-15			
	pH	7.75		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	633		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	4.8		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	2.4		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	464		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	80		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	1.4		1.0	ug/L	12-JUN-15	5	87	87

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-2	BH/MW-07								
Sampled By: H. PADHAM on 03-JUN-15 @ 13:0									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	7.92		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	1.0		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	343000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	8.1		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

**#1: T1-Ground Water-All Types of Property Uses**

**#2: T2-Ground Water (Coarse Soil)-All Types of Property Use**

**#3: T2-Ground Water (Fine Soil)-All Types of Property Use**



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-2 BH/MW-07									
Sampled By: H. PADHAM on 03-JUN-15 @ 13:0									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	91.3		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	96.8		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	11-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	11-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	89.4		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	86.6		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.020		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	<0.020		0.020	ug/L	10-JUN-15	1	1	1
	Anthracene	<0.020		0.020	ug/L	10-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	<0.020		0.020	ug/L	10-JUN-15	0.2	1	1
	Benzo(a)pyrene	<0.010		0.010	ug/L	10-JUN-15	0.01	0.01	0.01
	Benzo(b)fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Benzo(g,h,i)perylene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Chrysene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Dibenzo(ah)anthracene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.4	0.41	0.41
	Fluorene	<0.020		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	<0.028		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	<0.020		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	<0.020		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	<0.050		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	<0.020		0.020	ug/L	10-JUN-15	0.1	1	1

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-2	BH/MW-07								
Sampled By: H. PADHAM on 03-JUN-15 @ 13:0									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Pyrene	<0.020		0.020	ug/L	10-JUN-15	0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	100.5		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	103.7		50-140	%	10-JUN-15			
L1621945-3	BH/MW-07A								
Sampled By: H. PADHAM on 03-JUN-15 @ 13:4									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	2.35		0.0030	mS/cm	04-JUN-15			
	pH	7.50		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	559		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	2.1		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	5.4		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	562		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	90		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	0.91		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	319000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	<3.0		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-3	BH/MW-07A								
Sampled By: H. PADHAM on 03-JUN-15 @ 13:4									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	90.8		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	96.2		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-3 BH/MW-07A									
Sampled By: H. PADHAM on 03-JUN-15 @ 13:4									
Matrix: WATER									
<b>Hydrocarbons</b>									
	F2-Naphth	<100		100	ug/L	11-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	11-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	89.8		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	72.1		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	0.036		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	0.027		0.020	ug/L	10-JUN-15	1	1	1
	Anthracene	0.087		0.020	ug/L	10-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	0.209		0.020	ug/L	10-JUN-15	*0.2	1	1
	Benzo(a)pyrene	0.191		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	0.254		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Benzo(g,h,i)perylene	0.117		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	0.084		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Chrysene	0.198		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Dibenzo(ah)anthracene	0.035		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	0.425		0.020	ug/L	10-JUN-15	*0.4	*0.41	*0.41
	Fluorene	0.044		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	0.131		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	<0.028		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	<0.020		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	<0.020		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	<0.050		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	0.318		0.020	ug/L	10-JUN-15	*0.1	1	1
	Pyrene	0.342		0.020	ug/L	10-JUN-15	*0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	96.9		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	84.0		50-140	%	10-JUN-15			
L1621945-4 BH/MW-11									
Sampled By: H. PADHAM on 03-JUN-15 @ 15:3									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.53		0.0030	mS/cm	04-JUN-15			
	pH	7.44		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	237		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-4	BH/MW-11								
Sampled By: H. PADHAM on 03-JUN-15 @ 15:3									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Arsenic (As)-Dissolved	2.4		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	263		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	111		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	6.65		0.50	ug/L	12-JUN-15	*3.8	*3.8	*3.8
	Copper (Cu)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	1.38		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	2.4		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	137000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	50.2		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	0.86		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-4	BH/MW-11								
Sampled By: H. PADHAM on 03-JUN-15 @ 15:3									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	0.74		0.50	ug/L	08-JUN-15	*0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	90.6		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	96.2		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	11-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	11-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	89.3		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	76.1		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.020		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	<0.020		0.020	ug/L	10-JUN-15	1	1	1
	Anthracene	<0.020		0.020	ug/L	10-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	<0.020		0.020	ug/L	10-JUN-15	0.2	1	1
	Benzo(a)pyrene	<0.010		0.010	ug/L	10-JUN-15	0.01	0.01	0.01
	Benzo(b)fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Benzo(g,h,i)perylene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Chrysene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Dibenzo(ah)anthracene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-4 BH/MW-11 Sampled By: H. PADHAM on 03-JUN-15 @ 15:3 Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.4	0.41	0.41
	Fluorene	0.055		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	0.249		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.097		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.151		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	0.056		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	0.106		0.020	ug/L	10-JUN-15	*0.1	1	1
	Pyrene	0.022		0.020	ug/L	10-JUN-15	0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	98.1		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	102.0		50-140	%	10-JUN-15			
L1621945-5 BH/MW-12 Sampled By: H. PADHAM on 04-JUN-15 @ 06:4 Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.44		0.0030	mS/cm	04-JUN-15			
	pH	7.56		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	248		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	300		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	301		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	1.95		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	1.20		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	96000		500	ug/L	12-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-5	BH/MW-12								
Sampled By: H. PADHAM on 04-JUN-15 @ 06:4									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Zinc (Zn)-Dissolved	<3.0		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	2.32		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	2.20		0.50	ug/L	08-JUN-15	*0.5	*0.5	*1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-5 BH/MW-12									
Sampled By: H. PADHAM on 04-JUN-15 @ 06:4									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
m+p-Xylenes		<0.40		0.40	ug/L	08-JUN-15			
Xylenes (Total)		<0.50		0.50	ug/L	08-JUN-15	72	300	300
Surrogate: 4-Bromofluorobenzene		90.2		70-130	%	08-JUN-15			
Surrogate: 1,4-Difluorobenzene		96.7		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
F1 (C6-C10)		<25		25	ug/L	08-JUN-15	420	750	750
F1-BTEX		<25		25	ug/L	11-JUN-15	420	750	750
F2 (C10-C16)		180		100	ug/L	09-JUN-15	*150	*150	*150
F2-Naphth		180		100	ug/L	11-JUN-15			
F3 (C16-C34)		4500		250	ug/L	09-JUN-15	*500	*500	*500
F3-PAH		4490		250	ug/L	11-JUN-15			
F4 (C34-C50)		1280		250	ug/L	09-JUN-15	*500	*500	*500
Total Hydrocarbons (C6-C50)		5960		370	ug/L	11-JUN-15			
Chrom. to baseline at nC50		YES			No Unit	09-JUN-15			
Surrogate: 2-Bromobenzotrifluoride		92.6		60-140	%	09-JUN-15			
Surrogate: 3,4-Dichlorotoluene		73.2		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
Acenaphthene		0.058		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
Acenaphthylene		0.070		0.020	ug/L	10-JUN-15	1	1	1
Anthracene		0.142		0.020	ug/L	10-JUN-15	*0.1	2.4	2.4
Benzo(a)anthracene		0.259		0.020	ug/L	10-JUN-15	*0.2	1	1
Benzo(a)pyrene		0.228		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
Benzo(b)fluoranthene		0.294		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
Benzo(g,h,i)perylene		0.124		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
Benzo(k)fluoranthene		0.083		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
Chrysene		0.294		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
Dibenzo(ah)anthracene		<0.032	DLQ	0.032	ug/L	10-JUN-15	0.2	0.2	0.2
Fluoranthene		0.621		0.020	ug/L	10-JUN-15	*0.4	*0.41	*0.41
Fluorene		0.109		0.020	ug/L	10-JUN-15	120	120	120
Indeno(1,2,3-cd)pyrene		0.138		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
1+2-Methylnaphthalenes		0.582		0.028	ug/L	11-JUN-15	2	3.2	3.2
1-Methylnaphthalene		0.265		0.020	ug/L	10-JUN-15	2	3.2	3.2
2-Methylnaphthalene		0.318		0.020	ug/L	10-JUN-15	2	3.2	3.2
Naphthalene		0.247		0.050	ug/L	10-JUN-15	7	11	11
Phenanthrene		0.551		0.020	ug/L	10-JUN-15	*0.1	1	1
Pyrene		0.589		0.020	ug/L	10-JUN-15	*0.2	4.1	4.1
Surrogate: 2-Fluorobiphenyl		101.7		50-140	%	10-JUN-15			
Surrogate: d14-Terphenyl		95.3		50-140	%	10-JUN-15			
L1621945-6 BH/MW-14									
Sampled By: H. PADHAM on 04-JUN-15 @ 07:3									
Matrix: WATER									
<b>Physical Tests</b>									
Conductivity		1.21		0.0030	mS/cm	04-JUN-15			
pH		7.34		0.10	pH units	04-JUN-15			

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-6	BH/MW-14								
Sampled By: H. PADHAM on 04-JUN-15 @ 07:3									
Matrix: WATER									
<b>Anions and Nutrients</b>									
	Chloride (Cl)	110		0.50	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	11.5		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	304		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	292		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	15.9		0.50	ug/L	12-JUN-15	*3.8	*3.8	*3.8
	Copper (Cu)-Dissolved	1.4		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	4.52		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	2.5		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	67300		500	ug/L	12-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	3.1		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	97.4		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-6 BH/MW-14									
Sampled By: H. PADHAM on 04-JUN-15 @ 07:3									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	12.9		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	1.64		0.50	ug/L	08-JUN-15	*0.5	*0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	90.4		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	96.5		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	280		100	ug/L	10-JUN-15	*150	*150	*150
	F2-Naphth	280		100	ug/L	11-JUN-15			
	F3 (C16-C34)	1120		250	ug/L	10-JUN-15	*500	*500	*500
	F3-PAH	1100		250	ug/L	11-JUN-15			
	F4 (C34-C50)	550		250	ug/L	10-JUN-15	*500	*500	*500
	Total Hydrocarbons (C6-C50)	1950		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	10-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	95.8		60-140	%	10-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	76.4		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	1.09		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	2.15		0.020	ug/L	10-JUN-15	*1	*1	*1
	Anthracene	1.74		0.020	ug/L	10-JUN-15	*0.1	2.4	2.4

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details	Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping							#1	#2	#3
L1621945-6 BH/MW-14 Sampled By: H. PADHAM on 04-JUN-15 @ 07:3 Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Benzo(a)anthracene	1.14		0.020	ug/L	10-JUN-15	*0.2	*1	*1
	Benzo(a)pyrene	0.856		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	1.07		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Benzo(g,h,i)perylene	0.468		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	Benzo(k)fluoranthene	0.387		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Chrysene	0.991		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Dibenzo(ah)anthracene	0.129		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	3.83		0.020	ug/L	10-JUN-15	*0.4	*0.41	*0.41
	Fluorene	2.87		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	0.545		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	1+2-Methylnaphthalenes	4.69		0.028	ug/L	11-JUN-15	*2	*3.2	*3.2
	1-Methylnaphthalene	2.01		0.020	ug/L	10-JUN-15	*2	3.2	3.2
	2-Methylnaphthalene	2.68		0.020	ug/L	10-JUN-15	*2	3.2	3.2
	Naphthalene	4.38		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	6.75		0.020	ug/L	10-JUN-15	*0.1	*1	*1
	Pyrene	2.86		0.020	ug/L	10-JUN-15	*0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	79.6		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	51.2		50-140	%	10-JUN-15			
L1621945-7 BH/MW-16 Sampled By: H. PADHAM on 04-JUN-15 @ 08:0 Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.40		0.0030	mS/cm	04-JUN-15			
	pH	7.40		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	139		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**1.5	6	6
	Arsenic (As)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	13	25	25
	Barium (Ba)-Dissolved	309	DLM	20	ug/L	09-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<4.0	DLM	4.0	ug/L	09-JUN-15	**0.5	4	4
	Boron (B)-Dissolved	1410	DLM	100	ug/L	09-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.90	DLM	0.90	ug/L	09-JUN-15	**0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	<3.0	DLM	3.0	ug/L	09-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	**5	87	87
	Lead (Pb)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	23	70	70

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-7 BH/MW-16									
Sampled By: H. PADHAM on 04-JUN-15 @ 08:0									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Nickel (Ni)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<1.0	DLM	1.0	ug/L	09-JUN-15	**0.3	1.5	1.5
	Sodium (Na)-Dissolved	106000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<2.0	DLM	2.0	ug/L	09-JUN-15	**0.5	2	2
	Uranium (U)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	**8.9	20	20
	Vanadium (V)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**3.9	6.2	6.2
	Zinc (Zn)-Dissolved	<30	DLM	30	ug/L	09-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	7.76		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

**#1: T1-Ground Water-All Types of Property Uses**

**#2: T2-Ground Water (Coarse Soil)-All Types of Property Use**

**#3: T2-Ground Water (Fine Soil)-All Types of Property Use**



ANALYTICAL GUIDELINE REPORT

SWC157090

Table with columns: Sample Details Grouping, Analyte, Result, Qualifier, D.L., Units, Analyzed, and Guideline Limits (#1, #2, #3). Rows include Volatile Organic Compounds, Hydrocarbons, and Polycyclic Aromatic Hydrocarbons.

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-8	BH/MW-17								
Sampled By: H. PADHAM on 04-JUN-15 @ 08:3									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	2.84		0.0030	mS/cm	04-JUN-15			
	pH	7.06		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	604		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**1.5	6	6
	Arsenic (As)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	13	25	25
	Barium (Ba)-Dissolved	681	DLM	20	ug/L	09-JUN-15	*610	1000	1000
	Beryllium (Be)-Dissolved	<4.0	DLM	4.0	ug/L	09-JUN-15	**0.5	4	4
	Boron (B)-Dissolved	1270	DLM	100	ug/L	09-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.90	DLM	0.90	ug/L	09-JUN-15	**0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	7.1	DLM	3.0	ug/L	09-JUN-15	*3.8	*3.8	*3.8
	Copper (Cu)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	**5	87	87
	Lead (Pb)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<1.0	DLM	1.0	ug/L	09-JUN-15	**0.3	1.5	1.5
	Sodium (Na)-Dissolved	323000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<2.0	DLM	2.0	ug/L	09-JUN-15	**0.5	2	2
	Uranium (U)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	**8.9	20	20
	Vanadium (V)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**3.9	6.2	6.2
	Zinc (Zn)-Dissolved	<30	DLM	30	ug/L	09-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	1.11		0.50	ug/L	08-JUN-15	*0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	20.2		0.50	ug/L	08-JUN-15	*0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-8 BH/MW-17									
Sampled By: H. PADHAM on 04-JUN-15 @ 08:3									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	1,4-Dichlorobenzene	2.35		0.50	ug/L	08-JUN-15	*0.5	*1	*1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	1.02		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	1.02		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	92.4		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	96.2		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	27		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	280		100	ug/L	10-JUN-15	*150	*150	*150
	F2-Naphth	280		100	ug/L	11-JUN-15			
	F3 (C16-C34)	1480		250	ug/L	10-JUN-15	*500	*500	*500
	F3-PAH	1470		250	ug/L	11-JUN-15			
	F4 (C34-C50)	300		250	ug/L	10-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	2090		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	10-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	100.5		60-140	%	10-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	65.2		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-8 BH/MW-17									
Sampled By: H. PADHAM on 04-JUN-15 @ 08:3									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	1.19		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	<0.060	DLM	0.060	ug/L	10-JUN-15	1	1	1
	Anthracene	1.10		0.020	ug/L	10-JUN-15	*0.1	2.4	2.4
	Benzo(a)anthracene	0.772		0.020	ug/L	10-JUN-15	*0.2	1	1
	Benzo(a)pyrene	0.610		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	0.817		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Benzo(g,h,i)perylene	0.433		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	Benzo(k)fluoranthene	0.250		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Chrysene	0.766		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Dibenzo(ah)anthracene	0.108		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	2.96		0.020	ug/L	10-JUN-15	*0.4	*0.41	*0.41
	Fluorene	1.28		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	0.455		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	1+2-Methylnaphthalenes	2.35		0.028	ug/L	11-JUN-15	*2	3.2	3.2
	1-Methylnaphthalene	1.14		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	1.20		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	5.99		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	5.88		0.020	ug/L	10-JUN-15	*0.1	*1	*1
	Pyrene	2.13		0.020	ug/L	10-JUN-15	*0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	72.8		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	63.4		50-140	%	10-JUN-15			
L1621945-9 BH/MW-19									
Sampled By: H. PADHAM on 04-JUN-15 @ 09:0									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	3.11		0.0030	mS/cm	04-JUN-15			
	pH	7.12		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	670		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**1.5	6	6
	Arsenic (As)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	13	25	25
	Barium (Ba)-Dissolved	635	DLM	20	ug/L	09-JUN-15	*610	1000	1000
	Beryllium (Be)-Dissolved	<4.0	DLM	4.0	ug/L	09-JUN-15	**0.5	4	4
	Boron (B)-Dissolved	2200	DLM	100	ug/L	09-JUN-15	*1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.90	DLM	0.90	ug/L	09-JUN-15	**0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	14.3	DLM	3.0	ug/L	09-JUN-15	*3.8	*3.8	*3.8
	Copper (Cu)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	**5	87	87

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-9	BH/MW-19								
Sampled By: H. PADHAM on 04-JUN-15 @ 09:0									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Lead (Pb)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<1.0	DLM	1.0	ug/L	09-JUN-15	**0.3	1.5	1.5
	Sodium (Na)-Dissolved	281000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<2.0	DLM	2.0	ug/L	09-JUN-15	**0.5	2	2
	Uranium (U)-Dissolved	<10	DLM	10	ug/L	09-JUN-15	**8.9	20	20
	Vanadium (V)-Dissolved	<5.0	DLM	5.0	ug/L	09-JUN-15	**3.9	6.2	6.2
	Zinc (Zn)-Dissolved	30	DLM	30	ug/L	09-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	2.32		0.50	ug/L	08-JUN-15	*0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	2.31		0.50	ug/L	08-JUN-15	*0.5	*1	*1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-9 BH/MW-19									
Sampled By: H. PADHAM on 04-JUN-15 @ 09:0									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	2.17		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	2.17		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	89.9		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	95.3		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	150		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	150		100	ug/L	11-JUN-15			
	F3 (C16-C34)	750		250	ug/L	09-JUN-15	*500	*500	*500
	F3-PAH	750		250	ug/L	11-JUN-15			
	F4 (C34-C50)	920		250	ug/L	09-JUN-15	*500	*500	*500
	Total Hydrocarbons (C6-C50)	1820		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	81.5		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	66.5		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	0.156		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	<0.045	DLM	0.045	ug/L	10-JUN-15	1	1	1
	Anthracene	<0.047	DLM	0.047	ug/L	10-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	0.108		0.020	ug/L	10-JUN-15	0.2	1	1
	Benzo(a)pyrene	0.134		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	0.118		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Benzo(g,h,i)perylene	0.136		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	0.036		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Chrysene	0.154		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Dibenzo(ah)anthracene	0.022		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	0.209		0.020	ug/L	10-JUN-15	0.4	0.41	0.41
	Fluorene	0.239		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	0.073		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	1.39		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.602		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.792		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	2.06		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	0.612		0.020	ug/L	10-JUN-15	*0.1	1	1

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-9	BH/MW-19								
Sampled By: H. PADHAM on 04-JUN-15 @ 09:0									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Pyrene	0.296		0.020	ug/L	10-JUN-15	*0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	99.9		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	80.3		50-140	%	10-JUN-15			
L1621945-10	BH/MW-22								
Sampled By: H. PADHAM on 04-JUN-15 @ 09:3									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.40		0.0030	mS/cm	04-JUN-15			
	pH	7.64		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	247		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	139		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	62		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	0.30		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	1.41		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	1.3		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	1.86		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	3.7		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	109000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	36.8		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-10	BH/MW-22								
Sampled By: H. PADHAM on 04-JUN-15 @ 09:3									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	1.48		0.50	ug/L	08-JUN-15	*0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	89.1		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	96.2		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	170		100	ug/L	10-JUN-15	*150	*150	*150

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-10 BH/MW-22									
Sampled By: H. PADHAM on 04-JUN-15 @ 09:3									
Matrix: WATER									
<b>Hydrocarbons</b>									
	F2-Naphth	170		100	ug/L	11-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	10-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	11-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	10-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	10-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	100.3		60-140	%	10-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	74.9		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.07	DLM	0.070	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	<0.03	DLM	0.030	ug/L	10-JUN-15	1	1	1
	Anthracene	<0.10	RRR	0.10	ug/L	10-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	<0.10	RRR	0.10	ug/L	10-JUN-15	0.2	1	1
	Benzo(a)pyrene	0.071	RRR	0.050	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	<0.10	RRR	0.10	ug/L	10-JUN-15	0.1	0.1	0.1
	Benzo(g,h,i)perylene	<0.10	RRR	0.10	ug/L	10-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	<0.10	RRR	0.10	ug/L	10-JUN-15	0.1	0.1	0.1
	Chrysene	0.11	RRR	0.10	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Dibenzo(ah)anthracene	<0.10	RRR	0.10	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	0.12	RRR	0.10	ug/L	10-JUN-15	0.4	0.41	0.41
	Fluorene	0.330		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	<0.10	RRR	0.10	ug/L	10-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	1.10		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.405		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.699		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	0.212		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	0.65	RRR	0.10	ug/L	10-JUN-15	*0.1	1	1
	Pyrene	0.33	RRR	0.10	ug/L	10-JUN-15	*0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	84.0		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	20.3	RRR	50-140	%	10-JUN-15			
Report Remarks : Detection limit raised due to low recovery of d14-Terphenyl.									
L1621945-11 BH/MW-25									
Sampled By: H. PADHAM on 04-JUN-15 @ 10:1									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.14		0.0030	mS/cm	04-JUN-15			
	pH	7.74		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	151		0.50	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-11 BH/MW-25									
Sampled By: H. PADHAM on 04-JUN-15 @ 10:1									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	80.0		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	117		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	0.80		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	1.54		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	87900		500	ug/L	12-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	<3.0		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	2.46		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-11 BH/MW-25									
Sampled By: H. PADHAM on 04-JUN-15 @ 10:1									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	6.56		0.50	ug/L	08-JUN-15	*0.5	*0.5	*1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	99.1		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	98.0		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	11-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	11-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	88.9		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	80.1		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.032	DLM	0.032	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	<0.020		0.020	ug/L	10-JUN-15	1	1	1
	Anthracene	<0.020		0.020	ug/L	10-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	0.046		0.020	ug/L	10-JUN-15	0.2	1	1
	Benzo(a)pyrene	0.046		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	0.059		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Benzo(g,h,i)perylene	0.029		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Chrysene	0.064		0.020	ug/L	10-JUN-15	0.1	0.1	0.1

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-11 BH/MW-25									
Sampled By: H. PADHAM on 04-JUN-15 @ 10:1									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Dibenzo(ah)anthracene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	0.133		0.020	ug/L	10-JUN-15	0.4	0.41	0.41
	Fluorene	0.081		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	0.031		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	0.242		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.085		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.157		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	0.059		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	0.334		0.020	ug/L	10-JUN-15	*0.1	1	1
	Pyrene	0.179		0.020	ug/L	10-JUN-15	0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	99.1		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	64.1		50-140	%	10-JUN-15			
L1621945-12 BH/MW-26									
Sampled By: H. PADHAM on 04-JUN-15 @ 10:4									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	0.934		0.0030	mS/cm	04-JUN-15			
	pH	7.70		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	102		0.50	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	2.42		0.50	ug/L	12-JUN-15	*1.5	6	6
	Arsenic (As)-Dissolved	1.5		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	113		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	131		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	1.78		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	4.05		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	1.6		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	56600		500	ug/L	12-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	4.6		2.0	ug/L	12-JUN-15	8.9	20	20

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-12 BH/MW-26									
Sampled By: H. PADHAM on 04-JUN-15 @ 10:4									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Vanadium (V)-Dissolved	0.60		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	7.8		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	6.16		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	17.8		0.50	ug/L	08-JUN-15	*0.5	*1.6	*5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	2.24		0.50	ug/L	08-JUN-15	*0.5	*0.5	*1.7

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-12 BH/MW-26									
Sampled By: H. PADHAM on 04-JUN-15 @ 10:4									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	97.0		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	97.2		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	11-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	11-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	78.6		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	84.0		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.020		0.020	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	<0.020		0.020	ug/L	10-JUN-15	1	1	1
	Anthracene	<0.020		0.020	ug/L	10-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	<0.020		0.020	ug/L	10-JUN-15	0.2	1	1
	Benzo(a)pyrene	<0.010		0.010	ug/L	10-JUN-15	0.01	0.01	0.01
	Benzo(b)fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Benzo(g,h,i)perylene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Chrysene	<0.020		0.020	ug/L	10-JUN-15	0.1	0.1	0.1
	Dibenzo(ah)anthracene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	Fluoranthene	0.020		0.020	ug/L	10-JUN-15	0.4	0.41	0.41
	Fluorene	<0.020		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	10-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	0.116		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.045		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.071		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	0.054		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	0.113		0.020	ug/L	10-JUN-15	*0.1	1	1
	Pyrene	0.033		0.020	ug/L	10-JUN-15	0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	102.8		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	98.3		50-140	%	10-JUN-15			
L1621945-13 BH/MW-27									
Sampled By: H. PADHAM on 04-JUN-15 @ 11:1									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.48		0.0030	mS/cm	04-JUN-15			

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-13 BH/MW-27									
Sampled By: H. PADHAM on 04-JUN-15 @ 11:1									
Matrix: WATER									
<b>Physical Tests</b>									
pH		7.80		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
Chloride (Cl)		288		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
Dissolved Mercury Filtration Location		FIELD			No Unit	05-JUN-15			
Dissolved Metals Filtration Location		FIELD			No Unit	05-JUN-15			
Antimony (Sb)-Dissolved		<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
Arsenic (As)-Dissolved		<1.0		1.0	ug/L	12-JUN-15	13	25	25
Barium (Ba)-Dissolved		84.9		2.0	ug/L	12-JUN-15	610	1000	1000
Beryllium (Be)-Dissolved		<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
Boron (B)-Dissolved		153		10	ug/L	12-JUN-15	1700	5000	5000
Cadmium (Cd)-Dissolved		<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
Chromium (Cr)-Dissolved		<0.50		0.50	ug/L	12-JUN-15	11	50	50
Cobalt (Co)-Dissolved		0.92		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
Copper (Cu)-Dissolved		<1.0		1.0	ug/L	12-JUN-15	5	87	87
Lead (Pb)-Dissolved		<1.0		1.0	ug/L	12-JUN-15	1.9	10	10
Mercury (Hg)-Dissolved		<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
Molybdenum (Mo)-Dissolved		1.37		0.50	ug/L	12-JUN-15	23	70	70
Nickel (Ni)-Dissolved		2.5		1.0	ug/L	12-JUN-15	14	100	100
Selenium (Se)-Dissolved		<5.0		5.0	ug/L	12-JUN-15	5	10	10
Silver (Ag)-Dissolved		<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
Sodium (Na)-Dissolved		171000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
Thallium (Tl)-Dissolved		<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
Uranium (U)-Dissolved		<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
Vanadium (V)-Dissolved		<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
Zinc (Zn)-Dissolved		19.3		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
Chromium, Hexavalent		<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
Acetone		<30		30	ug/L	08-JUN-15	2700	2700	2700
Benzene		<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
Bromodichloromethane		<2.0		2.0	ug/L	08-JUN-15	2	16	16
Bromoform		<5.0		5.0	ug/L	08-JUN-15	5	25	25
Bromomethane		<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
Carbon tetrachloride		<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
Chlorobenzene		<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
Dibromochloromethane		<2.0		2.0	ug/L	08-JUN-15	2	25	25
Chloroform		1.0		1.0	ug/L	08-JUN-15	2	2.4	22
1,2-Dibromoethane		<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
1,2-Dichlorobenzene		<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
1,3-Dichlorobenzene		<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
1,4-Dichlorobenzene		<0.50		0.50	ug/L	08-JUN-15	0.5	1	1

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-13 BH/MW-27									
Sampled By: H. PADHAM on 04-JUN-15 @ 11:1									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	1.66		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	7.86		0.50	ug/L	08-JUN-15	*0.5	*1.6	*5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	97.6		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	98.5		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	12-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	12-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	<250		250	ug/L	12-JUN-15			
	F4 (C34-C50)	<250		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	<370		370	ug/L	12-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	86.1		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	81.6		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.020		0.020	ug/L	12-JUN-15	4.1	4.1	4.1

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-13 BH/MW-27									
Sampled By: H. PADHAM on 04-JUN-15 @ 11:1									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthylene	<0.020		0.020	ug/L	12-JUN-15	1	1	1
	Anthracene	<0.020		0.020	ug/L	12-JUN-15	0.1	2.4	2.4
	Benzo(a)anthracene	<0.020		0.020	ug/L	12-JUN-15	0.2	1	1
	Benzo(a)pyrene	<0.010		0.010	ug/L	12-JUN-15	0.01	0.01	0.01
	Benzo(b)fluoranthene	<0.020		0.020	ug/L	12-JUN-15	0.1	0.1	0.1
	Benzo(g,h,i)perylene	<0.020		0.020	ug/L	12-JUN-15	0.2	0.2	0.2
	Benzo(k)fluoranthene	<0.020		0.020	ug/L	12-JUN-15	0.1	0.1	0.1
	Chrysene	<0.020		0.020	ug/L	12-JUN-15	0.1	0.1	0.1
	Dibenzo(ah)anthracene	<0.020		0.020	ug/L	12-JUN-15	0.2	0.2	0.2
	Fluoranthene	<0.020		0.020	ug/L	12-JUN-15	0.4	0.41	0.41
	Fluorene	<0.020		0.020	ug/L	12-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	<0.020		0.020	ug/L	12-JUN-15	0.2	0.2	0.2
	1+2-Methylnaphthalenes	0.089		0.028	ug/L	12-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.034		0.020	ug/L	12-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.055		0.020	ug/L	12-JUN-15	2	3.2	3.2
	Naphthalene	<0.050		0.050	ug/L	12-JUN-15	7	11	11
	Phenanthrene	0.103		0.020	ug/L	12-JUN-15	*0.1	1	1
	Pyrene	0.059		0.020	ug/L	12-JUN-15	0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	86.4		50-140	%	12-JUN-15			
	Surrogate: d14-Terphenyl	95.4		50-140	%	12-JUN-15			
L1621945-14 BH/MW-28									
Sampled By: H. PADHAM on 04-JUN-15 @ 11:3									
Matrix: WATER									
<b>Physical Tests</b>									
	Conductivity	1.38		0.0030	mS/cm	04-JUN-15			
	pH	7.51		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
	Chloride (Cl)	204		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
	Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15			
	Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15			
	Antimony (Sb)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	1.5	6	6
	Arsenic (As)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	13	25	25
	Barium (Ba)-Dissolved	260		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	220		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	12.0		0.50	ug/L	12-JUN-15	*3.8	*3.8	*3.8
	Copper (Cu)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	1.9	10	10

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-14	BH/MW-28								
Sampled By: H. PADHAM on 04-JUN-15 @ 11:3									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	10.5		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	5.2		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	117000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	6.6		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	1.41		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	3.7		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	45		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	3.10		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



ANALYTICAL GUIDELINE REPORT

SWC157090

Table with columns: Sample Details Grouping, Analyte, Result, Qualifier, D.L., Units, Analyzed, and Guideline Limits (#1, #2, #3). Rows include Volatile Organic Compounds, Hydrocarbons, and Polycyclic Aromatic Hydrocarbons.

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-14	BH/MW-28								
Sampled By: H. PADHAM on 04-JUN-15 @ 11:3									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
Surrogate: 2-Fluorobiphenyl		81.0		50-140	%	10-JUN-15			
Surrogate: d14-Terphenyl		62.6		50-140	%	10-JUN-15			
L1621945-15	BH/MW-30								
Sampled By: H. PADHAM on 04-JUN-15 @ 12:0									
Matrix: WATER									
<b>Physical Tests</b>									
Conductivity		1.85		0.0030	mS/cm	04-JUN-15			
pH		7.66		0.10	pH units	04-JUN-15			
<b>Anions and Nutrients</b>									
Chloride (Cl)		379		2.5	mg/L	05-JUN-15	790	790	790
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<2.0		2.0	ug/L	09-JUN-15	5	66	66
<b>Dissolved Metals</b>									
Dissolved Mercury Filtration Location		FIELD			No Unit	05-JUN-15			
Dissolved Metals Filtration Location		FIELD			No Unit	05-JUN-15			
Antimony (Sb)-Dissolved		0.53		0.50	ug/L	12-JUN-15	1.5	6	6
Arsenic (As)-Dissolved		<1.0		1.0	ug/L	12-JUN-15	13	25	25
Barium (Ba)-Dissolved		148		2.0	ug/L	12-JUN-15	610	1000	1000
Beryllium (Be)-Dissolved		<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
Boron (B)-Dissolved		219		10	ug/L	12-JUN-15	1700	5000	5000
Cadmium (Cd)-Dissolved		<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
Chromium (Cr)-Dissolved		<0.50		0.50	ug/L	12-JUN-15	11	50	50
Cobalt (Co)-Dissolved		4.94		0.50	ug/L	12-JUN-15	*3.8	*3.8	*3.8
Copper (Cu)-Dissolved		<1.0		1.0	ug/L	12-JUN-15	5	87	87
Lead (Pb)-Dissolved		4.5		1.0	ug/L	12-JUN-15	*1.9	10	10
Mercury (Hg)-Dissolved		<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
Molybdenum (Mo)-Dissolved		2.50		0.50	ug/L	12-JUN-15	23	70	70
Nickel (Ni)-Dissolved		2.6		1.0	ug/L	12-JUN-15	14	100	100
Selenium (Se)-Dissolved		<5.0		5.0	ug/L	12-JUN-15	5	10	10
Silver (Ag)-Dissolved		<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
Sodium (Na)-Dissolved		186000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
Thallium (Tl)-Dissolved		<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
Uranium (U)-Dissolved		<2.0		2.0	ug/L	12-JUN-15	8.9	20	20
Vanadium (V)-Dissolved		<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
Zinc (Zn)-Dissolved		72.6		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
Chromium, Hexavalent		<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
Acetone		<30		30	ug/L	08-JUN-15	2700	2700	2700
Benzene		<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
Bromodichloromethane		<2.0		2.0	ug/L	08-JUN-15	2	16	16
Bromoform		<5.0		5.0	ug/L	08-JUN-15	5	25	25
Bromomethane		<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-15 BH/MW-30									
Sampled By: H. PADHAM on 04-JUN-15 @ 12:0									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	1.46		0.50	ug/L	08-JUN-15	1.6	1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	0.51		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	0.55		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	6.55		0.50	ug/L	08-JUN-15	*0.5	*1.6	*5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	1.7
	o-Xylene	0.33		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	0.63		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	0.96		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	98.5		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	98.1		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	12-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	12-JUN-15			
	F3 (C16-C34)	<250		250	ug/L	09-JUN-15			

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#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-15 BH/MW-30									
Sampled By: H. PADHAM on 04-JUN-15 @ 12:0									
Matrix: WATER									
<b>Hydrocarbons</b>									
F3-PAH	<250	250		ug/L	12-JUN-15	500	500	500	
F4 (C34-C50)	<250	250		ug/L	09-JUN-15	500	500	500	
Total Hydrocarbons (C6-C50)	<370	370		ug/L	12-JUN-15				
Chrom. to baseline at nC50	YES			No Unit	09-JUN-15				
Surrogate: 2-Bromobenzotrifluoride	65.3	60-140		%	09-JUN-15				
Surrogate: 3,4-Dichlorotoluene	93.0	60-140		%	08-JUN-15				
<b>Polycyclic Aromatic Hydrocarbons</b>									
Acenaphthene	<0.055	DLM 0.055		ug/L	12-JUN-15	4.1	4.1	4.1	
Acenaphthylene	0.119	0.020		ug/L	12-JUN-15	1	1	1	
Anthracene	<0.067	DLM 0.067		ug/L	12-JUN-15	0.1	2.4	2.4	
Benzo(a)anthracene	0.192	R 0.020		ug/L	12-JUN-15	0.2	1	1	
Benzo(a)pyrene	0.254	0.010		ug/L	12-JUN-15	*0.01	*0.01	*0.01	
Benzo(b)fluoranthene	0.378	0.020		ug/L	12-JUN-15	*0.1	*0.1	*0.1	
Benzo(g,h,i)perylene	0.176	0.020		ug/L	12-JUN-15	0.2	0.2	0.2	
Benzo(k)fluoranthene	0.119	0.020		ug/L	12-JUN-15	*0.1	*0.1	*0.1	
Chrysene	0.329	0.020		ug/L	12-JUN-15	*0.1	*0.1	*0.1	
Dibenzo(ah)anthracene	0.047	0.020		ug/L	12-JUN-15	0.2	0.2	0.2	
Fluoranthene	0.411	0.020		ug/L	12-JUN-15	*0.4	*0.41	*0.41	
Fluorene	0.155	0.020		ug/L	12-JUN-15	120	120	120	
Indeno(1,2,3-cd)pyrene	0.201	0.020		ug/L	12-JUN-15	*0.2	*0.2	*0.2	
1+2-Methylnaphthalenes	1.15	0.028		ug/L	12-JUN-15	2	3.2	3.2	
1-Methylnaphthalene	0.378	0.020		ug/L	12-JUN-15	2	3.2	3.2	
2-Methylnaphthalene	0.771	0.020		ug/L	12-JUN-15	2	3.2	3.2	
Naphthalene	0.391	0.050		ug/L	12-JUN-15	7	11	11	
Phenanthrene	0.759	0.020		ug/L	12-JUN-15	*0.1	1	1	
Pyrene	0.501	0.020		ug/L	12-JUN-15	*0.2	4.1	4.1	
Surrogate: 2-Fluorobiphenyl	82.9	50-140		%	12-JUN-15				
Surrogate: d14-Terphenyl	66.5	50-140		%	12-JUN-15				
L1621945-16 BH/MW-31									
Sampled By: H. PADHAM on 04-JUN-15 @ 12:3									
Matrix: WATER									
<b>Physical Tests</b>									
Conductivity	2.07	0.0030		mS/cm	04-JUN-15				
pH	7.38	0.10		pH units	04-JUN-15				
<b>Anions and Nutrients</b>									
Chloride (Cl)	443	2.5		mg/L	05-JUN-15	790	790	790	
<b>Cyanides</b>									
Cyanide, Weak Acid Diss	<2.0	2.0		ug/L	09-JUN-15	5	66	66	
<b>Dissolved Metals</b>									
Dissolved Mercury Filtration Location	FIELD			No Unit	05-JUN-15				
Dissolved Metals Filtration Location	FIELD			No Unit	05-JUN-15				
Antimony (Sb)-Dissolved	<0.50	0.50		ug/L	12-JUN-15	1.5	6	6	
Arsenic (As)-Dissolved	4.9	1.0		ug/L	12-JUN-15	13	25	25	

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#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-16 BH/MW-31									
Sampled By: H. PADHAM on 04-JUN-15 @ 12:3									
Matrix: WATER									
<b>Dissolved Metals</b>									
	Barium (Ba)-Dissolved	174		2.0	ug/L	12-JUN-15	610	1000	1000
	Beryllium (Be)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	0.5	4	4
	Boron (B)-Dissolved	698		10	ug/L	12-JUN-15	1700	5000	5000
	Cadmium (Cd)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.5	2.7	2.7
	Chromium (Cr)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	11	50	50
	Cobalt (Co)-Dissolved	1.86		0.50	ug/L	12-JUN-15	3.8	3.8	3.8
	Copper (Cu)-Dissolved	<1.0		1.0	ug/L	12-JUN-15	5	87	87
	Lead (Pb)-Dissolved	5.7		1.0	ug/L	12-JUN-15	*1.9	10	10
	Mercury (Hg)-Dissolved	<0.010		0.010	ug/L	08-JUN-15	0.1	0.29	1
	Molybdenum (Mo)-Dissolved	2.44		0.50	ug/L	12-JUN-15	23	70	70
	Nickel (Ni)-Dissolved	8.6		1.0	ug/L	12-JUN-15	14	100	100
	Selenium (Se)-Dissolved	<5.0		5.0	ug/L	12-JUN-15	5	10	10
	Silver (Ag)-Dissolved	<0.10		0.10	ug/L	12-JUN-15	0.3	1.5	1.5
	Sodium (Na)-Dissolved	256000	DLM	5000	ug/L	09-JUN-15	490000	490000	490000
	Thallium (Tl)-Dissolved	<0.30		0.30	ug/L	12-JUN-15	0.5	2	2
	Uranium (U)-Dissolved	2.0		2.0	ug/L	12-JUN-15	8.9	20	20
	Vanadium (V)-Dissolved	<0.50		0.50	ug/L	12-JUN-15	3.9	6.2	6.2
	Zinc (Zn)-Dissolved	73.6		3.0	ug/L	12-JUN-15	160	1100	1100
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<10		10	ug/L	05-JUN-15	25	25	25
<b>Volatile Organic Compounds</b>									
	Acetone	<30		30	ug/L	08-JUN-15	2700	2700	2700
	Benzene	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	Bromodichloromethane	<2.0		2.0	ug/L	08-JUN-15	2	16	16
	Bromoform	<5.0		5.0	ug/L	08-JUN-15	5	25	25
	Bromomethane	<0.50		0.50	ug/L	08-JUN-15	0.89	0.89	0.89
	Carbon tetrachloride	<0.20		0.20	ug/L	08-JUN-15	0.2	0.79	5
	Chlorobenzene	10.2		0.50	ug/L	08-JUN-15	*0.5	30	30
	Dibromochloromethane	<2.0		2.0	ug/L	08-JUN-15	2	25	25
	Chloroform	<1.0		1.0	ug/L	08-JUN-15	2	2.4	22
	1,2-Dibromoethane	<0.20		0.20	ug/L	08-JUN-15	0.2	0.2	0.2
	1,2-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	3	3
	1,3-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	59	59
	1,4-Dichlorobenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Dichlorodifluoromethane	<2.0		2.0	ug/L	08-JUN-15	590	590	590
	1,1-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	1,2-Dichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	5
	1,1-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	14
	cis-1,2-Dichloroethylene	10.9		0.50	ug/L	08-JUN-15	*1.6	*1.6	17
	trans-1,2-Dichloroethylene	<0.50		0.50	ug/L	08-JUN-15	1.6	1.6	17
	1,3-Dichloropropene (cis & trans)	<0.50		0.50	ug/L	08-JUN-15	0.5	0.5	0.5
	Methylene Chloride	<5.0		5.0	ug/L	08-JUN-15	5	50	50
	1,2-Dichloropropane	<0.50		0.50	ug/L	08-JUN-15	0.5	5	5
	cis-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-16 BH/MW-31									
Sampled By: H. PADHAM on 04-JUN-15 @ 12:3									
Matrix: WATER									
<b>Volatile Organic Compounds</b>									
	trans-1,3-Dichloropropene	<0.30		0.30	ug/L	08-JUN-15			
	Ethylbenzene	<0.50		0.50	ug/L	08-JUN-15	0.5	2.4	2.4
	n-Hexane	<0.50		0.50	ug/L	08-JUN-15	5	51	520
	Methyl Ethyl Ketone	<20		20	ug/L	08-JUN-15	400	1800	1800
	Methyl Isobutyl Ketone	<20		20	ug/L	08-JUN-15	640	640	640
	MTBE	<2.0		2.0	ug/L	08-JUN-15	15	15	15
	Styrene	<0.50		0.50	ug/L	08-JUN-15	0.5	5.4	5.4
	1,1,1,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	1.1	1.1	1.1
	1,1,2,2-Tetrachloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	1	1
	Tetrachloroethylene	<0.50		0.50	ug/L	08-JUN-15	0.5	1.6	17
	Toluene	<0.50		0.50	ug/L	08-JUN-15	0.8	24	24
	1,1,1-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	200	200
	1,1,2-Trichloroethane	<0.50		0.50	ug/L	08-JUN-15	0.5	4.7	5
	Trichloroethylene	2.23		0.50	ug/L	08-JUN-15	*0.5	*1.6	5
	Trichlorofluoromethane	<5.0		5.0	ug/L	08-JUN-15	150	150	150
	Vinyl chloride	3.90		0.50	ug/L	08-JUN-15	*0.5	*0.5	*1.7
	o-Xylene	<0.30		0.30	ug/L	08-JUN-15			
	m+p-Xylenes	<0.40		0.40	ug/L	08-JUN-15			
	Xylenes (Total)	<0.50		0.50	ug/L	08-JUN-15	72	300	300
	Surrogate: 4-Bromofluorobenzene	97.8		70-130	%	08-JUN-15			
	Surrogate: 1,4-Difluorobenzene	98.2		70-130	%	08-JUN-15			
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<25		25	ug/L	08-JUN-15	420	750	750
	F1-BTEX	<25		25	ug/L	11-JUN-15	420	750	750
	F2 (C10-C16)	<100		100	ug/L	09-JUN-15	150	150	150
	F2-Naphth	<100		100	ug/L	11-JUN-15			
	F3 (C16-C34)	270		250	ug/L	09-JUN-15	500	500	500
	F3-PAH	260		250	ug/L	11-JUN-15			
	F4 (C34-C50)	320		250	ug/L	09-JUN-15	500	500	500
	Total Hydrocarbons (C6-C50)	590		370	ug/L	11-JUN-15			
	Chrom. to baseline at nC50	YES			No Unit	09-JUN-15			
	Surrogate: 2-Bromobenzotrifluoride	86.1		60-140	%	09-JUN-15			
	Surrogate: 3,4-Dichlorotoluene	80.5		60-140	%	08-JUN-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.026	DLM	0.026	ug/L	10-JUN-15	4.1	4.1	4.1
	Acenaphthylene	0.216		0.020	ug/L	10-JUN-15	1	1	1
	Anthracene	0.121		0.020	ug/L	10-JUN-15	*0.1	2.4	2.4
	Benzo(a)anthracene	0.651		0.020	ug/L	10-JUN-15	*0.2	1	1
	Benzo(a)pyrene	0.912		0.010	ug/L	10-JUN-15	*0.01	*0.01	*0.01
	Benzo(b)fluoranthene	1.07		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Benzo(g,h,i)perylene	0.614		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	Benzo(k)fluoranthene	0.328		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Chrysene	0.937		0.020	ug/L	10-JUN-15	*0.1	*0.1	*0.1
	Dibenzo(ah)anthracene	0.281		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	Fluoranthene	1.38		0.020	ug/L	10-JUN-15	*0.4	*0.41	*0.41

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1621945-16	BH/MW-31								
Sampled By: H. PADHAM on 04-JUN-15 @ 12:3									
Matrix: WATER									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Fluorene	0.093		0.020	ug/L	10-JUN-15	120	120	120
	Indeno(1,2,3-cd)pyrene	0.585		0.020	ug/L	10-JUN-15	*0.2	*0.2	*0.2
	1+2-Methylnaphthalenes	0.187		0.028	ug/L	11-JUN-15	2	3.2	3.2
	1-Methylnaphthalene	0.069		0.020	ug/L	10-JUN-15	2	3.2	3.2
	2-Methylnaphthalene	0.118		0.020	ug/L	10-JUN-15	2	3.2	3.2
	Naphthalene	0.100		0.050	ug/L	10-JUN-15	7	11	11
	Phenanthrene	0.886		0.020	ug/L	10-JUN-15	*0.1	1	1
	Pyrene	1.32		0.020	ug/L	10-JUN-15	*0.2	4.1	4.1
	Surrogate: 2-Fluorobiphenyl	104.5		50-140	%	10-JUN-15			
	Surrogate: d14-Terphenyl	94.5		50-140	%	10-JUN-15			

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-WATER**

#1: T1-Ground Water-All Types of Property Uses

#2: T2-Ground Water (Coarse Soil)-All Types of Property Use

#3: T2-Ground Water (Fine Soil)-All Types of Property Use

## Reference Information

**Sample Parameter Qualifier key listed:**

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
DLQ	Detection Limit raised due to co-eluting interference. GCMS qualifier ion ratio did not meet acceptance criteria.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
DLIS	Detection Limit Adjusted: Insufficient Sample
RRR	Refer to Report Remarks for issues regarding this analysis

**Methods Listed (if applicable):**

ALS Test Code	Matrix	Test Description	Method Reference***
CL-IC-WT	Water	Chloride by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).			
CN-WAD-R511-WT	Water	Cyanide (WAD)-O.Reg 153/04 (July 2011)	APHA 4500CN I-Weak acid Dist Colorimet
Weak acid dissociable cyanide (WAD) is determined by undergoing a distillation procedure. Cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).			
CR-CR6-IC-R511-WT	Water	Hex Chrom-O.Reg 153/04 (July 2011)	EPA 7199
This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution. Chromium (III) is calculated as the difference between the total chromium and the chromium (VI) results.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).			
EC-R511-WT	Water	Conductivity-O.Reg 153/04 (July 2011)	APHA 2510 B
Water samples can be measured directly by immersing the conductivity cell into the sample.			
Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).			
F1-F4-511-CALC-WT	Water	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC DEC-2000 - PUB# 1310-L

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Water	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS
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Fraction F1 is determined by analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

## Reference Information

F2-F4-511-WT      Water      F2-F4-O.Reg 153/04 (July 2011) MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by liquid/liquid extraction with a solvent. The solvent recovered from the extracted sample is dried and treated to remove polar material. The extract is then analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-D-UG/L-CVAA-WT      Water      Diss. Mercury in Water by CVAAS (ug/L)      EPA SW846 7470A

Liquid sample is filtered, then digested with a heated, strong, mixed acid solution to convert all forms of mercury to divalent mercury. The divalent mercury is then reduced to elemental mercury, sparged from solution and analyzed by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-D-UG/L-MS-WT      Water      Diss. Metals in Water by ICPMS (ug/L)      EPA 200.8

The metal constituents of a non-acidified sample that pass through a membrane filter prior to ICP/MS analysis.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT      Water      PAH-Calculated Parameters      SW846 8270  
PAH-511-WT      Water      PAH-O. Reg 153/04 (July 2011)      SW846 3510/8270

Aqueous samples, fortified with surrogates, are extracted using liquid/liquid extraction technique. For Benzo (a) pyrene analysis samples are filtered. The sample extracts are concentrated and then analyzed using GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PH-R511-WT      Water      pH-O. Reg 153/04 (July 2011)      MOEE E3137A-R511

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

VOC-1,3-DCP-CALC-WT      Water      Regulation 153 VOCs      SW8260B/SW8270C  
VOC-511-HS-WT      Water      VOC by GCMS HS O.Reg 153/04 (July 2011)      SW846 8260

Liquid samples are analyzed by headspace GC/MSD.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

XYLENES-SUM-CALC-WT      Water      Sum of Xylene Isomer Concentrations      CALCULATION

Total xylenes represents the sum of o-xylene and m&p-xylene.

\*\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

14-458704      14-458706

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

## Reference Information

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*

*Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.*



## Quality Control Report

Workorder: L1621945

Report Date: 15-JUN-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>CL-IC-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203225</b>							
<b>WG2102416-9</b>	<b>DUP</b>	<b>WG2102416-8</b>						
Chloride (Cl)		151	151		mg/L	0.5	25	05-JUN-15
<b>WG2102416-7</b>	<b>LCS</b>							
Chloride (Cl)			102.5		%		70-130	05-JUN-15
<b>WG2102416-6</b>	<b>MB</b>							
Chloride (Cl)			<0.50		mg/L		0.5	05-JUN-15
<b>WG2102416-10</b>	<b>MS</b>	<b>WG2102416-8</b>						
Chloride (Cl)			N/A	MS-B	%		-	05-JUN-15
<b>CN-WAD-R511-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3204730</b>							
<b>WG2104302-3</b>	<b>DUP</b>	<b>L1621945-1</b>						
Cyanide, Weak Acid Diss		<2.0	<2.0	RPD-NA	ug/L	N/A	20	09-JUN-15
<b>WG2104302-2</b>	<b>LCS</b>							
Cyanide, Weak Acid Diss			99.2		%		80-120	09-JUN-15
<b>WG2104302-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<2.0		ug/L		2	09-JUN-15
<b>WG2104302-4</b>	<b>MS</b>	<b>L1621945-1</b>						
Cyanide, Weak Acid Diss			89.9		%		70-130	09-JUN-15
<b>CR-CR6-IC-R511-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3202645</b>							
<b>WG2102538-4</b>	<b>DUP</b>	<b>WG2102538-3</b>						
Chromium, Hexavalent		<10	<10	RPD-NA	ug/L	N/A	20	05-JUN-15
<b>WG2102538-2</b>	<b>LCS</b>							
Chromium, Hexavalent			102.2		%		80-120	05-JUN-15
<b>WG2102538-1</b>	<b>MB</b>							
Chromium, Hexavalent			<10		ug/L		10	05-JUN-15
<b>WG2102538-5</b>	<b>MS</b>	<b>WG2102538-3</b>						
Chromium, Hexavalent			100.9		%		70-130	05-JUN-15
<b>EC-R511-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203092</b>							
<b>WG2101808-7</b>	<b>DUP</b>	<b>L1621945-1</b>						
Conductivity		1.46	1.47		mS/cm	0.7	10	04-JUN-15
<b>WG2101808-6</b>	<b>LCS</b>							
Conductivity			100.5		%		90-110	04-JUN-15
<b>WG2101808-5</b>	<b>MB</b>							
Conductivity			<0.0030		mS/cm		0.003	04-JUN-15
<b>F1-HS-511-WT</b>		<b>Water</b>						



### Quality Control Report

Workorder: L1621945

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F1-HS-511-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203154</b>							
<b>WG2101977-4</b>	<b>DUP</b>	<b>L1621945-1</b>						
F1 (C6-C10)		<25	<25	RPD-NA	ug/L	N/A	30	08-JUN-15
<b>WG2101977-1</b>	<b>LCS</b>							
F1 (C6-C10)			86.5		%		80-120	08-JUN-15
<b>WG2101977-2</b>	<b>MB</b>							
F1 (C6-C10)			<25		ug/L		25	08-JUN-15
Surrogate: 3,4-Dichlorotoluene			101.7		%		60-140	08-JUN-15
<b>WG2101977-5</b>	<b>MS</b>	<b>L1621945-1</b>						
F1 (C6-C10)			61.2		%		60-140	08-JUN-15
<b>Batch</b>	<b>R3203445</b>							
<b>WG2102551-4</b>	<b>DUP</b>	<b>WG2102551-3</b>						
F1 (C6-C10)		<25	<25	RPD-NA	ug/L	N/A	30	08-JUN-15
<b>WG2102551-1</b>	<b>LCS</b>							
F1 (C6-C10)			98.3		%		80-120	08-JUN-15
<b>WG2102551-2</b>	<b>MB</b>							
F1 (C6-C10)			<25		ug/L		25	08-JUN-15
Surrogate: 3,4-Dichlorotoluene			101.8		%		60-140	08-JUN-15
<b>WG2102551-5</b>	<b>MS</b>	<b>WG2102551-3</b>						
F1 (C6-C10)			80.5		%		60-140	08-JUN-15
<b>F2-F4-511-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3204100</b>							
<b>WG2103888-1</b>	<b>CVS</b>							
F2 (C10-C16)			103.7		%		80-120	09-JUN-15
F3 (C16-C34)			109.8		%		80-120	09-JUN-15
F4 (C34-C50)			107.8		%		80-120	09-JUN-15
<b>WG2103888-2</b>	<b>CVS</b>							
F2 (C10-C16)			102.7		%		80-120	09-JUN-15
F3 (C16-C34)			108.0		%		80-120	09-JUN-15
F4 (C34-C50)			103.7		%		80-120	09-JUN-15
<b>WG2103525-2</b>	<b>LCS</b>							
F2 (C10-C16)			95.9		%		65-135	09-JUN-15
F3 (C16-C34)			99.0		%		65-135	09-JUN-15
F4 (C34-C50)			99.4		%		65-135	09-JUN-15
<b>WG2103525-3</b>	<b>LCSD</b>	<b>WG2103525-2</b>						
F2 (C10-C16)		95.9	96.1		%	0.2	50	09-JUN-15
F3 (C16-C34)		99.0	99.8		%	0.8	50	09-JUN-15
F4 (C34-C50)		99.4	102.0		%	2.6	50	09-JUN-15



### Quality Control Report

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Report Date: 15-JUN-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F2-F4-511-WT</b>								
<b>Water</b>								
<b>Batch R3204100</b>								
<b>WG2103525-1 MB</b>								
F2 (C10-C16)			<100		ug/L		100	09-JUN-15
F3 (C16-C34)			<250		ug/L		250	09-JUN-15
F4 (C34-C50)			<250		ug/L		250	09-JUN-15
Surrogate: 2-Bromobenzotrifluoride			85.2		%		60-140	09-JUN-15
<b>Batch R3204440</b>								
<b>WG2104482-1 CVS</b>								
F2 (C10-C16)			97.5		%		80-120	09-JUN-15
F3 (C16-C34)			102.0		%		80-120	09-JUN-15
F4 (C34-C50)			101.9		%		80-120	09-JUN-15
<b>WG2104482-2 CVS</b>								
F2 (C10-C16)			103.2		%		80-120	09-JUN-15
F3 (C16-C34)			103.7		%		80-120	09-JUN-15
F4 (C34-C50)			104.6		%		80-120	09-JUN-15
<b>WG2103864-2 LCS</b>								
F2 (C10-C16)			92.9		%		65-135	09-JUN-15
F3 (C16-C34)			101.8		%		65-135	09-JUN-15
F4 (C34-C50)			101.9		%		65-135	09-JUN-15
<b>WG2103864-3 LCSD</b>								
		<b>WG2103864-2</b>						
F2 (C10-C16)		92.9	91.2		%	1.8	50	09-JUN-15
F3 (C16-C34)		101.8	102.1		%	0.2	50	09-JUN-15
F4 (C34-C50)		101.9	105.2		%	3.1	50	09-JUN-15
<b>WG2103864-1 MB</b>								
F2 (C10-C16)			<100		ug/L		100	09-JUN-15
F3 (C16-C34)			<250		ug/L		250	09-JUN-15
F4 (C34-C50)			<250		ug/L		250	09-JUN-15
Surrogate: 2-Bromobenzotrifluoride			84.5		%		60-140	09-JUN-15
<b>Batch R3205187</b>								
<b>WG2105401-1 CVS</b>								
F2 (C10-C16)			102.3		%		80-120	10-JUN-15
F3 (C16-C34)			107.9		%		80-120	10-JUN-15
F4 (C34-C50)			104.9		%		80-120	10-JUN-15
<b>WG2105401-2 CVS</b>								
F2 (C10-C16)			101.3		%		80-120	10-JUN-15
F3 (C16-C34)			108.9		%		80-120	10-JUN-15
F4 (C34-C50)			102.8		%		80-120	10-JUN-15





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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F2-F4-511-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3205187</b>							
<b>WG2105401-3</b>	<b>CVS</b>							
F2 (C10-C16)			98.1		%		80-120	11-JUN-15
F3 (C16-C34)			101.2		%		80-120	11-JUN-15
F4 (C34-C50)			100.4		%		80-120	11-JUN-15
<b>WG2105401-4</b>	<b>CVS</b>							
F2 (C10-C16)			101.5		%		80-120	11-JUN-15
F3 (C16-C34)			102.3		%		80-120	11-JUN-15
F4 (C34-C50)			103.3		%		80-120	11-JUN-15
<b>WG2104780-2</b>	<b>LCS</b>							
F2 (C10-C16)			90.0		%		65-135	10-JUN-15
F3 (C16-C34)			98.7		%		65-135	10-JUN-15
F4 (C34-C50)			96.0		%		65-135	10-JUN-15
<b>WG2104780-3</b>	<b>LCSD</b>	<b>WG2104780-2</b>						
F2 (C10-C16)		90.0	98.1		%	8.6	50	10-JUN-15
F3 (C16-C34)		98.7	98.2		%	0.5	50	10-JUN-15
F4 (C34-C50)		96.0	98.7		%	2.8	50	10-JUN-15
<b>WG2104780-1</b>	<b>MB</b>							
F2 (C10-C16)			<100		ug/L		100	10-JUN-15
F3 (C16-C34)			<250		ug/L		250	10-JUN-15
F4 (C34-C50)			<250		ug/L		250	10-JUN-15
Surrogate: 2-Bromobenzotrifluoride			92.7		%		60-140	10-JUN-15
<b>HG-D-UG/L-CVAA-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203260</b>							
<b>WG2102007-3</b>	<b>DUP</b>	<b>L1621945-1</b>						
Mercury (Hg)-Dissolved		<0.010	<0.010	RPD-NA	ug/L	N/A	20	08-JUN-15
<b>WG2102007-2</b>	<b>LCS</b>							
Mercury (Hg)-Dissolved			96.3		%		80-120	08-JUN-15
<b>WG2102007-1</b>	<b>MB</b>							
Mercury (Hg)-Dissolved			<0.010		ug/L		0.01	08-JUN-15
<b>WG2102007-4</b>	<b>MS</b>	<b>L1621945-2</b>						
Mercury (Hg)-Dissolved			102.0		%		70-130	08-JUN-15
<b>MET-D-UG/L-MS-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203440</b>							
<b>WG2102149-1</b>	<b>CVS</b>							
Antimony (Sb)-Dissolved			93.8		%		80-120	08-JUN-15
Arsenic (As)-Dissolved			96.1		%		80-120	08-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-D-UG/L-MS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203440</b>							
<b>WG2102149-1</b>	<b>CVS</b>							
Barium (Ba)-Dissolved			97.7		%		80-120	08-JUN-15
Beryllium (Be)-Dissolved			97.6		%		80-120	08-JUN-15
Boron (B)-Dissolved			98.0		%		80-120	08-JUN-15
Cadmium (Cd)-Dissolved			99.2		%		80-120	08-JUN-15
Chromium (Cr)-Dissolved			95.6		%		80-120	08-JUN-15
Cobalt (Co)-Dissolved			97.5		%		80-120	08-JUN-15
Copper (Cu)-Dissolved			96.5		%		80-120	08-JUN-15
Lead (Pb)-Dissolved			97.6		%		80-120	08-JUN-15
Molybdenum (Mo)-Dissolved			95.1		%		80-120	08-JUN-15
Nickel (Ni)-Dissolved			97.1		%		80-120	08-JUN-15
Selenium (Se)-Dissolved			90.1		%		80-120	08-JUN-15
Silver (Ag)-Dissolved			98.7		%		80-120	08-JUN-15
Sodium (Na)-Dissolved			97.9		%		80-120	08-JUN-15
Thallium (Tl)-Dissolved			98.3		%		80-120	08-JUN-15
Uranium (U)-Dissolved			98.0		%		80-120	08-JUN-15
Vanadium (V)-Dissolved			98.8		%		80-120	08-JUN-15
Zinc (Zn)-Dissolved			91.6		%		80-120	08-JUN-15
<b>WG2102149-2</b>	<b>CVS</b>							
Antimony (Sb)-Dissolved			95.8		%		80-120	09-JUN-15
Arsenic (As)-Dissolved			99.3		%		80-120	09-JUN-15
Barium (Ba)-Dissolved			104.6		%		80-120	09-JUN-15
Beryllium (Be)-Dissolved			97.5		%		80-120	09-JUN-15
Boron (B)-Dissolved			95.2		%		80-120	09-JUN-15
Cadmium (Cd)-Dissolved			102.4		%		80-120	09-JUN-15
Chromium (Cr)-Dissolved			99.7		%		80-120	09-JUN-15
Cobalt (Co)-Dissolved			101.2		%		80-120	09-JUN-15
Copper (Cu)-Dissolved			100.4		%		80-120	09-JUN-15
Lead (Pb)-Dissolved			100.5		%		80-120	09-JUN-15
Molybdenum (Mo)-Dissolved			92.4		%		80-120	09-JUN-15
Nickel (Ni)-Dissolved			100.3		%		80-120	09-JUN-15
Selenium (Se)-Dissolved			98.2		%		80-120	09-JUN-15
Silver (Ag)-Dissolved			101.4		%		80-120	09-JUN-15
Sodium (Na)-Dissolved			107.1		%		80-120	09-JUN-15
Thallium (Tl)-Dissolved			99.8		%		80-120	09-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-D-UG/L-MS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203440</b>							
<b>WG2102149-2</b>	<b>CVS</b>							
Uranium (U)-Dissolved			99.0		%		80-120	09-JUN-15
Vanadium (V)-Dissolved			101.8		%		80-120	09-JUN-15
Zinc (Zn)-Dissolved			94.4		%		80-120	09-JUN-15
<b>WG2102149-3</b>	<b>CVS</b>							
Antimony (Sb)-Dissolved			99.3		%		80-120	11-JUN-15
Arsenic (As)-Dissolved			102.4		%		80-120	11-JUN-15
Barium (Ba)-Dissolved			102.1		%		80-120	11-JUN-15
Beryllium (Be)-Dissolved			96.3		%		80-120	11-JUN-15
Boron (B)-Dissolved			96.3		%		80-120	11-JUN-15
Cadmium (Cd)-Dissolved			105.1		%		80-120	11-JUN-15
Chromium (Cr)-Dissolved			101.8		%		80-120	11-JUN-15
Cobalt (Co)-Dissolved			104.9		%		80-120	11-JUN-15
Copper (Cu)-Dissolved			104.9		%		80-120	11-JUN-15
Lead (Pb)-Dissolved			100.4		%		80-120	11-JUN-15
Molybdenum (Mo)-Dissolved			96.1		%		80-120	11-JUN-15
Nickel (Ni)-Dissolved			104.9		%		80-120	11-JUN-15
Selenium (Se)-Dissolved			104.4		%		80-120	11-JUN-15
Silver (Ag)-Dissolved			104.2		%		80-120	11-JUN-15
Sodium (Na)-Dissolved			102.5		%		80-120	11-JUN-15
Thallium (Tl)-Dissolved			97.5		%		80-120	11-JUN-15
Uranium (U)-Dissolved			97.4		%		80-120	11-JUN-15
Vanadium (V)-Dissolved			103.0		%		80-120	11-JUN-15
Zinc (Zn)-Dissolved			96.1		%		80-120	11-JUN-15
<b>WG2102149-4</b>	<b>CVS</b>							
Arsenic (As)-Dissolved			96.8		%		80-120	11-JUN-15
Barium (Ba)-Dissolved			96.4		%		80-120	11-JUN-15
Chromium (Cr)-Dissolved			99.0		%		80-120	11-JUN-15
Cobalt (Co)-Dissolved			100.6		%		80-120	11-JUN-15
Copper (Cu)-Dissolved			101.2		%		80-120	11-JUN-15
Nickel (Ni)-Dissolved			100.2		%		80-120	11-JUN-15
Selenium (Se)-Dissolved			104.7		%		80-120	11-JUN-15
Sodium (Na)-Dissolved			104.8		%		80-120	11-JUN-15
Vanadium (V)-Dissolved			99.1		%		80-120	11-JUN-15
Zinc (Zn)-Dissolved			93.8		%		80-120	11-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-D-UG/L-MS-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203440</b>							
<b>WG2102149-5 CVS</b>								
Antimony (Sb)-Dissolved			98.1		%		80-120	12-JUN-15
Arsenic (As)-Dissolved			106.0		%		80-120	12-JUN-15
Barium (Ba)-Dissolved			107.9		%		80-120	12-JUN-15
Beryllium (Be)-Dissolved			99.8		%		80-120	12-JUN-15
Boron (B)-Dissolved			99.4		%		80-120	12-JUN-15
Cadmium (Cd)-Dissolved			107.1		%		80-120	12-JUN-15
Chromium (Cr)-Dissolved			104.5		%		80-120	12-JUN-15
Cobalt (Co)-Dissolved			106.0		%		80-120	12-JUN-15
Copper (Cu)-Dissolved			105.6		%		80-120	12-JUN-15
Lead (Pb)-Dissolved			101.4		%		80-120	12-JUN-15
Molybdenum (Mo)-Dissolved			97.5		%		80-120	12-JUN-15
Nickel (Ni)-Dissolved			104.9		%		80-120	12-JUN-15
Selenium (Se)-Dissolved			98.4		%		80-120	12-JUN-15
Silver (Ag)-Dissolved			99.5		%		80-120	12-JUN-15
Sodium (Na)-Dissolved			105.6		%		80-120	12-JUN-15
Thallium (Tl)-Dissolved			100.0		%		80-120	12-JUN-15
Uranium (U)-Dissolved			102.3		%		80-120	12-JUN-15
Vanadium (V)-Dissolved			106.4		%		80-120	12-JUN-15
Zinc (Zn)-Dissolved			98.0		%		80-120	12-JUN-15
<b>WG2101912-4 DUP</b>		<b>WG2101912-3</b>						
Antimony (Sb)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Arsenic (As)-Dissolved		<10	<10	RPD-NA	ug/L	N/A	20	09-JUN-15
Barium (Ba)-Dissolved		127	126		ug/L	0.7	20	09-JUN-15
Beryllium (Be)-Dissolved		<4.0	<4.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Boron (B)-Dissolved		540	550		ug/L	2.2	20	09-JUN-15
Cadmium (Cd)-Dissolved		<0.90	<0.90	RPD-NA	ug/L	N/A	20	09-JUN-15
Chromium (Cr)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Cobalt (Co)-Dissolved		<3.0	<3.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Copper (Cu)-Dissolved		<10	<10	RPD-NA	ug/L	N/A	20	09-JUN-15
Lead (Pb)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Molybdenum (Mo)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Nickel (Ni)-Dissolved		<10	<10	RPD-NA	ug/L	N/A	20	09-JUN-15
Selenium (Se)-Dissolved		<4.0	<4.0	RPD-NA	ug/L	N/A	20	09-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-D-UG/L-MS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203440</b>							
<b>WG2101912-4 DUP</b>		<b>WG2101912-3</b>						
Silver (Ag)-Dissolved		<1.0	<1.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Sodium (Na)-Dissolved		98400	99600		ug/L	1.2	20	09-JUN-15
Thallium (Tl)-Dissolved		<2.0	<2.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Uranium (U)-Dissolved		<10	<10	RPD-NA	ug/L	N/A	20	09-JUN-15
Vanadium (V)-Dissolved		<5.0	<5.0	RPD-NA	ug/L	N/A	20	09-JUN-15
Zinc (Zn)-Dissolved		62	64		ug/L	4.0	20	09-JUN-15
<b>WG2101912-2 LCS</b>								
Antimony (Sb)-Dissolved			96.5		%		80-120	09-JUN-15
Arsenic (As)-Dissolved			97.9		%		80-120	09-JUN-15
Barium (Ba)-Dissolved			102.4		%		80-120	09-JUN-15
Beryllium (Be)-Dissolved			96.5		%		80-120	09-JUN-15
Boron (B)-Dissolved			96.0		%		80-120	09-JUN-15
Cadmium (Cd)-Dissolved			96.3		%		80-120	09-JUN-15
Chromium (Cr)-Dissolved			96.7		%		80-120	09-JUN-15
Cobalt (Co)-Dissolved			97.6		%		80-120	09-JUN-15
Copper (Cu)-Dissolved			98.0		%		80-120	09-JUN-15
Lead (Pb)-Dissolved			98.2		%		80-120	09-JUN-15
Molybdenum (Mo)-Dissolved			94.6		%		80-120	09-JUN-15
Nickel (Ni)-Dissolved			96.8		%		80-120	09-JUN-15
Selenium (Se)-Dissolved			96.7		%		80-120	09-JUN-15
Silver (Ag)-Dissolved			99.3		%		80-120	09-JUN-15
Sodium (Na)-Dissolved			100.6		%		80-120	09-JUN-15
Thallium (Tl)-Dissolved			96.7		%		80-120	09-JUN-15
Uranium (U)-Dissolved			93.6		%		80-120	09-JUN-15
Vanadium (V)-Dissolved			99.2		%		80-120	09-JUN-15
Zinc (Zn)-Dissolved			96.8		%		80-120	09-JUN-15
<b>WG2101912-1 MB</b>								
Antimony (Sb)-Dissolved			<0.50		ug/L		0.5	09-JUN-15
Arsenic (As)-Dissolved			<1.0		ug/L		1	09-JUN-15
Barium (Ba)-Dissolved			<2.0		ug/L		2	09-JUN-15
Beryllium (Be)-Dissolved			<0.40		ug/L		0.4	09-JUN-15
Boron (B)-Dissolved			<10		ug/L		10	09-JUN-15
Cadmium (Cd)-Dissolved			<0.090		ug/L		0.09	09-JUN-15
Chromium (Cr)-Dissolved			<0.50		ug/L		0.5	09-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-D-UG/L-MS-WT</b>								
	Water							
<b>Batch</b>	<b>R3203440</b>							
<b>WG2101912-1 MB</b>								
Cobalt (Co)-Dissolved			<0.30		ug/L		0.3	09-JUN-15
Copper (Cu)-Dissolved			<1.0		ug/L		1	09-JUN-15
Lead (Pb)-Dissolved			<0.50		ug/L		0.5	09-JUN-15
Molybdenum (Mo)-Dissolved			<0.50		ug/L		0.5	09-JUN-15
Nickel (Ni)-Dissolved			<1.0		ug/L		1	09-JUN-15
Selenium (Se)-Dissolved			<0.40		ug/L		0.4	09-JUN-15
Silver (Ag)-Dissolved			<0.10		ug/L		0.1	09-JUN-15
Sodium (Na)-Dissolved			<500		ug/L		500	09-JUN-15
Thallium (Tl)-Dissolved			<0.20		ug/L		0.2	09-JUN-15
Uranium (U)-Dissolved			<1.0		ug/L		1	09-JUN-15
Vanadium (V)-Dissolved			<0.50		ug/L		0.5	09-JUN-15
Zinc (Zn)-Dissolved			<3.0		ug/L		3	09-JUN-15
<b>WG2101912-5 MS</b>		<b>WG2101912-3</b>						
Antimony (Sb)-Dissolved			86.5		%		70-130	09-JUN-15
Arsenic (As)-Dissolved			91.3		%		70-130	09-JUN-15
Barium (Ba)-Dissolved			N/A	MS-B	%		-	09-JUN-15
Beryllium (Be)-Dissolved			84.1		%		70-130	09-JUN-15
Boron (B)-Dissolved			N/A	MS-B	%		-	09-JUN-15
Cadmium (Cd)-Dissolved			87.1		%		70-130	09-JUN-15
Chromium (Cr)-Dissolved			88.2		%		70-130	09-JUN-15
Cobalt (Co)-Dissolved			88.2		%		70-130	09-JUN-15
Copper (Cu)-Dissolved			87.1		%		70-130	09-JUN-15
Lead (Pb)-Dissolved			87.7		%		70-130	09-JUN-15
Molybdenum (Mo)-Dissolved			84.3		%		70-130	09-JUN-15
Nickel (Ni)-Dissolved			87.1		%		70-130	09-JUN-15
Selenium (Se)-Dissolved			89.1		%		70-130	09-JUN-15
Silver (Ag)-Dissolved			89.4		%		70-130	09-JUN-15
Sodium (Na)-Dissolved			N/A	MS-B	%		-	09-JUN-15
Thallium (Tl)-Dissolved			86.2		%		70-130	09-JUN-15
Uranium (U)-Dissolved			88.1		%		70-130	09-JUN-15
Vanadium (V)-Dissolved			91.5		%		70-130	09-JUN-15
Zinc (Zn)-Dissolved			N/A	MS-B	%		-	09-JUN-15

**PAH-511-WT** Water



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Water</b>							
<b>Batch</b>	<b>R3204889</b>							
<b>WG2105337-1</b>	<b>CVS</b>							
1-Methylnaphthalene			94.3		%		50-140	08-JUN-15
2-Methylnaphthalene			94.9		%		50-140	08-JUN-15
Acenaphthene			96.9		%		50-140	08-JUN-15
Acenaphthylene			97.1		%		50-140	08-JUN-15
Anthracene			99.9		%		50-140	08-JUN-15
Benzo(a)anthracene			97.5		%		50-140	08-JUN-15
Benzo(a)pyrene			98.8		%		50-140	08-JUN-15
Benzo(b)fluoranthene			99.0		%		50-140	08-JUN-15
Benzo(g,h,i)perylene			97.5		%		50-140	08-JUN-15
Benzo(k)fluoranthene			89.2		%		50-140	08-JUN-15
Chrysene			101.1		%		50-140	08-JUN-15
Dibenzo(ah)anthracene			99.0		%		50-140	08-JUN-15
Fluoranthene			95.3		%		50-140	08-JUN-15
Fluorene			97.2		%		50-140	08-JUN-15
Indeno(1,2,3-cd)pyrene			94.1		%		50-140	08-JUN-15
Naphthalene			96.2		%		50-140	08-JUN-15
Phenanthrene			97.5		%		50-140	08-JUN-15
Pyrene			101.9		%		50-140	08-JUN-15
<b>WG2103245-2</b>	<b>LCS</b>							
1-Methylnaphthalene			85.0		%		50-140	10-JUN-15
2-Methylnaphthalene			84.1		%		50-140	10-JUN-15
Acenaphthene			89.5		%		50-140	10-JUN-15
Acenaphthylene			92.4		%		50-140	10-JUN-15
Anthracene			89.8		%		50-140	10-JUN-15
Benzo(a)anthracene			92.9		%		50-140	10-JUN-15
Benzo(a)pyrene			90.8		%		50-140	10-JUN-15
Benzo(b)fluoranthene			88.0		%		50-140	10-JUN-15
Benzo(g,h,i)perylene			79.4		%		50-140	10-JUN-15
Benzo(k)fluoranthene			87.5		%		50-140	10-JUN-15
Chrysene			94.1		%		50-140	10-JUN-15
Dibenzo(ah)anthracene			84.3		%		50-140	10-JUN-15
Fluoranthene			92.0		%		50-140	10-JUN-15
Fluorene			92.2		%		50-140	10-JUN-15
Indeno(1,2,3-cd)pyrene			87.0		%		50-140	10-JUN-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3204889</b>							
<b>WG2103245-2</b>	<b>LCS</b>							
Naphthalene			84.6		%		50-140	10-JUN-15
Phenanthrene			89.9		%		50-140	10-JUN-15
Pyrene			97.5		%		50-140	10-JUN-15
<b>WG2103245-3</b>	<b>LCSD</b>		<b>WG2103245-2</b>					
1-Methylnaphthalene		85.0	84.3		%	0.9	50	10-JUN-15
2-Methylnaphthalene		84.1	83.8		%	0.3	50	10-JUN-15
Acenaphthene		89.5	89.0		%	0.5	50	10-JUN-15
Acenaphthylene		92.4	91.6		%	0.9	50	10-JUN-15
Anthracene		89.8	91.8		%	2.2	50	10-JUN-15
Benzo(a)anthracene		92.9	91.5		%	1.5	50	10-JUN-15
Benzo(a)pyrene		90.8	88.9		%	2.0	50	10-JUN-15
Benzo(b)fluoranthene		88.0	89.6		%	1.8	50	10-JUN-15
Benzo(g,h,i)perylene		79.4	73.3		%	8.1	50	10-JUN-15
Benzo(k)fluoranthene		87.5	84.7		%	3.3	50	10-JUN-15
Chrysene		94.1	91.7		%	2.6	50	10-JUN-15
Dibenzo(ah)anthracene		84.3	67.1		%	23	50	10-JUN-15
Fluoranthene		92.0	91.1		%	1.0	50	10-JUN-15
Fluorene		92.2	90.7		%	1.6	50	10-JUN-15
Indeno(1,2,3-cd)pyrene		87.0	84.0		%	3.4	50	10-JUN-15
Naphthalene		84.6	83.9		%	0.9	50	10-JUN-15
Phenanthrene		89.9	89.8		%	0.1	50	10-JUN-15
Pyrene		97.5	96.5		%	1.1	50	10-JUN-15
<b>WG2103245-1</b>	<b>MB</b>							
1-Methylnaphthalene			<0.020		ug/L		0.02	10-JUN-15
2-Methylnaphthalene			<0.020		ug/L		0.02	10-JUN-15
Acenaphthene			<0.020		ug/L		0.02	10-JUN-15
Acenaphthylene			<0.020		ug/L		0.02	10-JUN-15
Anthracene			<0.020		ug/L		0.02	10-JUN-15
Benzo(a)anthracene			<0.020		ug/L		0.02	10-JUN-15
Benzo(a)pyrene			<0.010		ug/L		0.01	10-JUN-15
Benzo(b)fluoranthene			<0.020		ug/L		0.02	10-JUN-15
Benzo(g,h,i)perylene			<0.020		ug/L		0.02	10-JUN-15
Benzo(k)fluoranthene			<0.020		ug/L		0.02	10-JUN-15





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 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3204889</b>							
<b>WG2103245-1</b>	<b>MB</b>							
Chrysene			<0.020		ug/L		0.02	10-JUN-15
Dibenzo(ah)anthracene			<0.020		ug/L		0.02	10-JUN-15
Fluoranthene			<0.020		ug/L		0.02	10-JUN-15
Fluorene			<0.020		ug/L		0.02	10-JUN-15
Indeno(1,2,3-cd)pyrene			<0.020		ug/L		0.02	10-JUN-15
Naphthalene			<0.050		ug/L		0.05	10-JUN-15
Phenanthrene			<0.020		ug/L		0.02	10-JUN-15
Pyrene			<0.020		ug/L		0.02	10-JUN-15
Surrogate: 2-Fluorobiphenyl			100.8		%		50-140	10-JUN-15
Surrogate: d14-Terphenyl			107.9		%		50-140	10-JUN-15
<b>Batch</b>	<b>R3206700</b>							
<b>WG2107355-1</b>	<b>CVS</b>							
1-Methylnaphthalene			94.2		%		50-140	11-JUN-15
2-Methylnaphthalene			95.0		%		50-140	11-JUN-15
Acenaphthene			96.3		%		50-140	11-JUN-15
Acenaphthylene			96.3		%		50-140	11-JUN-15
Anthracene			97.8		%		50-140	11-JUN-15
Benzo(a)anthracene			96.9		%		50-140	11-JUN-15
Benzo(a)pyrene			99.6		%		50-140	11-JUN-15
Benzo(b)fluoranthene			101.1		%		50-140	11-JUN-15
Benzo(g,h,i)perylene			97.9		%		50-140	11-JUN-15
Benzo(k)fluoranthene			89.9		%		50-140	11-JUN-15
Chrysene			100.6		%		50-140	11-JUN-15
Dibenzo(ah)anthracene			98.6		%		50-140	11-JUN-15
Fluoranthene			95.1		%		50-140	11-JUN-15
Fluorene			97.0		%		50-140	11-JUN-15
Indeno(1,2,3-cd)pyrene			96.8		%		50-140	11-JUN-15
Naphthalene			95.6		%		50-140	11-JUN-15
Phenanthrene			97.2		%		50-140	11-JUN-15
Pyrene			101.3		%		50-140	11-JUN-15
<b>WG2106450-2</b>	<b>LCS</b>							
1-Methylnaphthalene			79.2		%		50-140	12-JUN-15
2-Methylnaphthalene			79.3		%		50-140	12-JUN-15
Acenaphthene			89.1		%		50-140	12-JUN-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3206700</b>							
<b>WG2106450-2</b>	<b>LCS</b>							
Acenaphthylene			93.7		%		50-140	12-JUN-15
Anthracene			89.5		%		50-140	12-JUN-15
Benzo(a)anthracene			95.3		%		50-140	12-JUN-15
Benzo(a)pyrene			92.2		%		50-140	12-JUN-15
Benzo(b)fluoranthene			93.3		%		50-140	12-JUN-15
Benzo(g,h,i)perylene			72.4		%		50-140	12-JUN-15
Benzo(k)fluoranthene			83.3		%		50-140	12-JUN-15
Chrysene			94.8		%		50-140	12-JUN-15
Dibenzo(ah)anthracene			77.5		%		50-140	12-JUN-15
Fluoranthene			92.6		%		50-140	12-JUN-15
Fluorene			95.1		%		50-140	12-JUN-15
Indeno(1,2,3-cd)pyrene			82.2		%		50-140	12-JUN-15
Naphthalene			77.3		%		50-140	12-JUN-15
Phenanthrene			87.9		%		50-140	12-JUN-15
Pyrene			98.1		%		50-140	12-JUN-15
<b>WG2106450-3</b>	<b>LCS</b>	<b>WG2106450-2</b>						
1-Methylnaphthalene		79.2	81.7		%	3.2	50	12-JUN-15
2-Methylnaphthalene		79.3	82.5		%	3.9	50	12-JUN-15
Acenaphthene		89.1	91.6		%	2.9	50	12-JUN-15
Acenaphthylene		93.7	95.5		%	1.9	50	12-JUN-15
Anthracene		89.5	93.9		%	4.8	50	12-JUN-15
Benzo(a)anthracene		95.3	97.4		%	2.2	50	12-JUN-15
Benzo(a)pyrene		92.2	96.3		%	4.3	50	12-JUN-15
Benzo(b)fluoranthene		93.3	97.9		%	4.8	50	12-JUN-15
Benzo(g,h,i)perylene		72.4	75.1		%	3.6	50	12-JUN-15
Benzo(k)fluoranthene		83.3	85.5		%	2.6	50	12-JUN-15
Chrysene		94.8	97.2		%	2.5	50	12-JUN-15
Dibenzo(ah)anthracene		77.5	80.7		%	4.1	50	12-JUN-15
Fluoranthene		92.6	94.3		%	1.9	50	12-JUN-15
Fluorene		95.1	97.2		%	2.1	50	12-JUN-15
Indeno(1,2,3-cd)pyrene		82.2	86.2		%	4.7	50	12-JUN-15
Naphthalene		77.3	80.4		%	3.9	50	12-JUN-15
Phenanthrene		87.9	89.9		%	2.3	50	12-JUN-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3206700</b>							
<b>WG2106450-3</b>	<b>LCSD</b>	<b>WG2106450-2</b>						
Pyrene		98.1	100.2		%	2.1	50	12-JUN-15
<b>WG2106450-1</b>	<b>MB</b>							
1-Methylnaphthalene			<0.020		ug/L		0.02	12-JUN-15
2-Methylnaphthalene			<0.020		ug/L		0.02	12-JUN-15
Acenaphthene			<0.020		ug/L		0.02	12-JUN-15
Acenaphthylene			<0.020		ug/L		0.02	12-JUN-15
Anthracene			<0.020		ug/L		0.02	12-JUN-15
Benzo(a)anthracene			<0.020		ug/L		0.02	12-JUN-15
Benzo(a)pyrene			<0.010		ug/L		0.01	12-JUN-15
Benzo(b)fluoranthene			<0.020		ug/L		0.02	12-JUN-15
Benzo(g,h,i)perylene			<0.020		ug/L		0.02	12-JUN-15
Benzo(k)fluoranthene			<0.020		ug/L		0.02	12-JUN-15
Chrysene			<0.020		ug/L		0.02	12-JUN-15
Dibenzo(ah)anthracene			<0.020		ug/L		0.02	12-JUN-15
Fluoranthene			<0.020		ug/L		0.02	12-JUN-15
Fluorene			<0.020		ug/L		0.02	12-JUN-15
Indeno(1,2,3-cd)pyrene			<0.020		ug/L		0.02	12-JUN-15
Naphthalene			<0.050		ug/L		0.05	12-JUN-15
Phenanthrene			<0.020		ug/L		0.02	12-JUN-15
Pyrene			<0.020		ug/L		0.02	12-JUN-15
Surrogate: 2-Fluorobiphenyl			96.0		%		50-140	12-JUN-15
Surrogate: d14-Terphenyl			106.6		%		50-140	12-JUN-15
<b>PH-R511-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3204966</b>							
<b>WG2101807-3</b>	<b>DUP</b>	<b>L1621945-1</b>						
pH		7.23	7.36	J	pH units	0.09	0.2	04-JUN-15
<b>WG2101807-1</b>	<b>LCS</b>							
pH			7.00		pH units		6.9-7.1	04-JUN-15
<b>VOC-511-HS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203154</b>							
<b>WG2101977-4</b>	<b>DUP</b>	<b>L1621945-1</b>						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203154</b>							
<b>WG2101977-4</b>	<b>DUP</b>	<b>L1621945-1</b>						
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	08-JUN-15
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	08-JUN-15
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	08-JUN-15
cis-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	08-JUN-15
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	08-JUN-15
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	08-JUN-15
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	08-JUN-15
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	08-JUN-15
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	08-JUN-15
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
trans-1,2-Dichloroethylene		<0.50	<0.50		ug/L			08-JUN-15



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 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>								
	Water							
<b>Batch</b>	<b>R3203154</b>							
<b>WG2101977-4 DUP</b>		<b>L1621945-1</b>						
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	08-JUN-15
Trichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Vinyl chloride		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
<b>WG2101977-1 LCS</b>								
1,1,1,2-Tetrachloroethane			91.2		%		70-130	08-JUN-15
1,1,2,2-Tetrachloroethane			92.8		%		70-130	08-JUN-15
1,1,1-Trichloroethane			98.2		%		70-130	08-JUN-15
1,1,2-Trichloroethane			91.6		%		70-130	08-JUN-15
1,1-Dichloroethane			95.8		%		70-130	08-JUN-15
1,1-Dichloroethylene			88.8		%		70-130	08-JUN-15
1,2-Dibromoethane			88.0		%		70-130	08-JUN-15
1,2-Dichlorobenzene			94.7		%		70-130	08-JUN-15
1,2-Dichloroethane			95.2		%		70-130	08-JUN-15
1,2-Dichloropropane			95.1		%		70-130	08-JUN-15
1,3-Dichlorobenzene			95.0		%		70-130	08-JUN-15
1,4-Dichlorobenzene			97.3		%		70-130	08-JUN-15
Acetone			102.7		%		60-140	08-JUN-15
Benzene			98.1		%		70-130	08-JUN-15
Bromodichloromethane			93.5		%		70-130	08-JUN-15
Bromoform			87.9		%		70-130	08-JUN-15
Bromomethane			87.5		%		60-140	08-JUN-15
Carbon tetrachloride			100.6		%		70-130	08-JUN-15
Chlorobenzene			96.8		%		70-130	08-JUN-15
Chloroform			99.0		%		70-130	08-JUN-15
cis-1,2-Dichloroethylene			94.3		%		70-130	08-JUN-15
cis-1,3-Dichloropropene			88.3		%		70-130	08-JUN-15
Dibromochloromethane			88.3		%		70-130	08-JUN-15
Dichlorodifluoromethane			53.8	MES	%		60-140	08-JUN-15
Ethylbenzene			89.5		%		70-130	08-JUN-15
n-Hexane			115.1		%		70-130	08-JUN-15
m+p-Xylenes			95.7		%		70-130	08-JUN-15



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**Client:** AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

**Contact:** MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203154</b>							
<b>WG2101977-1</b>	<b>LCS</b>							
Methyl Ethyl Ketone			94.8		%		60-140	08-JUN-15
Methyl Isobutyl Ketone			75.6		%		60-140	08-JUN-15
Methylene Chloride			94.3		%		70-130	08-JUN-15
MTBE			95.5		%		70-130	08-JUN-15
o-Xylene			87.6		%		70-130	08-JUN-15
Styrene			81.0		%		70-130	08-JUN-15
Tetrachloroethylene			95.2		%		70-130	08-JUN-15
Toluene			91.1		%		70-130	08-JUN-15
trans-1,2-Dichloroethylene			94.1		%		70-130	08-JUN-15
trans-1,3-Dichloropropene			83.2		%		70-130	08-JUN-15
Trichloroethylene			94.0		%		70-130	08-JUN-15
Trichlorofluoromethane			102.2		%		60-140	08-JUN-15
Vinyl chloride			92.1		%		60-140	08-JUN-15
<b>WG2101977-2</b>	<b>MB</b>							
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1,1-Trichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1,2-Trichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1-Dichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1-Dichloroethylene			<0.50		ug/L		0.5	08-JUN-15
1,2-Dibromoethane			<0.20		ug/L		0.2	08-JUN-15
1,2-Dichlorobenzene			<0.50		ug/L		0.5	08-JUN-15
1,2-Dichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,2-Dichloropropane			<0.50		ug/L		0.5	08-JUN-15
1,3-Dichlorobenzene			<0.50		ug/L		0.5	08-JUN-15
1,4-Dichlorobenzene			<0.50		ug/L		0.5	08-JUN-15
Acetone			<30		ug/L		30	08-JUN-15
Benzene			<0.50		ug/L		0.5	08-JUN-15
Bromodichloromethane			<2.0		ug/L		2	08-JUN-15
Bromoform			<5.0		ug/L		5	08-JUN-15
Bromomethane			<0.50		ug/L		0.5	08-JUN-15
Carbon tetrachloride			<0.20		ug/L		0.2	08-JUN-15
Chlorobenzene			<0.50		ug/L		0.5	08-JUN-15
Chloroform			<1.0		ug/L		1	08-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203154</b>							
<b>WG2101977-2 MB</b>								
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	08-JUN-15
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	08-JUN-15
Dibromochloromethane			<2.0		ug/L		2	08-JUN-15
Dichlorodifluoromethane			<2.0		ug/L		2	08-JUN-15
Ethylbenzene			<0.50		ug/L		0.5	08-JUN-15
n-Hexane			<0.50		ug/L		0.5	08-JUN-15
m+p-Xylenes			<0.40		ug/L		0.4	08-JUN-15
Methyl Ethyl Ketone			<20		ug/L		20	08-JUN-15
Methyl Isobutyl Ketone			<20		ug/L		20	08-JUN-15
Methylene Chloride			<5.0		ug/L		5	08-JUN-15
MTBE			<2.0		ug/L		2	08-JUN-15
o-Xylene			<0.30		ug/L		0.3	08-JUN-15
Styrene			<0.50		ug/L		0.5	08-JUN-15
Tetrachloroethylene			<0.50		ug/L		0.5	08-JUN-15
Toluene			<0.50		ug/L		0.5	08-JUN-15
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	08-JUN-15
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	08-JUN-15
Trichloroethylene			<0.50		ug/L		0.5	08-JUN-15
Trichlorofluoromethane			<5.0		ug/L		5	08-JUN-15
Vinyl chloride			<0.50		ug/L		0.5	08-JUN-15
Surrogate: 1,4-Difluorobenzene			97.7		%		70-130	08-JUN-15
Surrogate: 4-Bromofluorobenzene			92.3		%		70-130	08-JUN-15
<b>WG2101977-5 MS</b>		<b>L1621945-1</b>						
1,1,1,2-Tetrachloroethane			90.2		%		50-140	08-JUN-15
1,1,2,2-Tetrachloroethane			88.1		%		50-140	08-JUN-15
1,1,1-Trichloroethane			101.3		%		50-140	08-JUN-15
1,1,2-Trichloroethane			92.3		%		50-140	08-JUN-15
1,1-Dichloroethane			101.3		%		50-140	08-JUN-15
1,1-Dichloroethylene			90.2		%		50-140	08-JUN-15
1,2-Dibromoethane			89.2		%		50-140	08-JUN-15
1,2-Dichlorobenzene			95.3		%		50-140	08-JUN-15
1,2-Dichloroethane			102.5		%		50-140	08-JUN-15
1,2-Dichloropropane			98.2		%		50-140	08-JUN-15
1,3-Dichlorobenzene			96.2		%		50-140	08-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203154</b>							
<b>WG2101977-5 MS</b>		<b>L1621945-1</b>						
1,4-Dichlorobenzene			99.9		%		50-140	08-JUN-15
Acetone			106.4		%		50-140	08-JUN-15
Benzene			101.3		%		50-140	08-JUN-15
Bromodichloromethane			99.1		%		50-140	08-JUN-15
Bromoform			87.6		%		50-140	08-JUN-15
Bromomethane			94.0		%		50-140	08-JUN-15
Carbon tetrachloride			103.5		%		50-140	08-JUN-15
Chlorobenzene			95.5		%		50-140	08-JUN-15
Chloroform			104.8		%		50-140	08-JUN-15
cis-1,2-Dichloroethylene			97.1		%		50-140	08-JUN-15
cis-1,3-Dichloropropene			89.4		%		50-140	08-JUN-15
Dibromochloromethane			89.2		%		50-140	08-JUN-15
Dichlorodifluoromethane			65.4		%		50-140	08-JUN-15
Ethylbenzene			80.1		%		50-140	08-JUN-15
n-Hexane			111.9		%		50-140	08-JUN-15
m+p-Xylenes			88.9		%		50-140	08-JUN-15
Methyl Ethyl Ketone			96.2		%		50-140	08-JUN-15
Methyl Isobutyl Ketone			70.1		%		50-140	08-JUN-15
Methylene Chloride			102.2		%		50-140	08-JUN-15
MTBE			93.9		%		50-140	08-JUN-15
o-Xylene			78.3		%		50-140	08-JUN-15
Styrene			71.5		%		50-140	08-JUN-15
Tetrachloroethylene			92.9		%		50-140	08-JUN-15
Toluene			84.4		%		50-140	08-JUN-15
trans-1,2-Dichloroethylene			96.9		%		50-140	08-JUN-15
trans-1,3-Dichloropropene			79.2		%		50-140	08-JUN-15
Trichloroethylene			95.3		%		50-140	08-JUN-15
Trichlorofluoromethane			106.3		%		50-140	08-JUN-15
Vinyl chloride			94.6		%		50-140	08-JUN-15
<b>Batch</b>	<b>R3203445</b>							
<b>WG2102551-4 DUP</b>		<b>WG2102551-3</b>						
1,1,1,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1,2,2-Tetrachloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1,1-Trichloroethane		<0.50	<0.50		ug/L			08-JUN-15





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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203445</b>							
<b>WG2102551-4</b>	<b>DUP</b>	<b>WG2102551-3</b>						
1,1,1-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1,2-Trichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,1-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dibromoethane		<0.20	<0.20	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dichloroethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,2-Dichloropropane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,3-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
1,4-Dichlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Acetone		<30	<30	RPD-NA	ug/L	N/A	30	08-JUN-15
Benzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Bromodichloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Bromoform		<5.0	<5.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Bromomethane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Carbon tetrachloride		<0.20	<0.20	RPD-NA	ug/L	N/A	30	08-JUN-15
Chlorobenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Chloroform		<1.0	<1.0	RPD-NA	ug/L	N/A	30	08-JUN-15
cis-1,2-Dichloroethylene		5.84	5.42		ug/L	7.5	30	08-JUN-15
cis-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	08-JUN-15
Dibromochloromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Dichlorodifluoromethane		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Ethylbenzene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
n-Hexane		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
m+p-Xylenes		<0.40	<0.40	RPD-NA	ug/L	N/A	30	08-JUN-15
Methyl Ethyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	08-JUN-15
Methyl Isobutyl Ketone		<20	<20	RPD-NA	ug/L	N/A	30	08-JUN-15
Methylene Chloride		<5.0	<5.0	RPD-NA	ug/L	N/A	30	08-JUN-15
MTBE		<2.0	<2.0	RPD-NA	ug/L	N/A	30	08-JUN-15
o-Xylene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	08-JUN-15
Styrene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Tetrachloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
Toluene		<0.50	<0.50		ug/L			08-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203445</b>							
<b>WG2102551-4</b>	<b>DUP</b>	<b>WG2102551-3</b>						
Toluene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
trans-1,2-Dichloroethylene		<0.50	<0.50	RPD-NA	ug/L	N/A	30	08-JUN-15
trans-1,3-Dichloropropene		<0.30	<0.30	RPD-NA	ug/L	N/A	30	08-JUN-15
Trichloroethylene		9.00	8.50		ug/L	5.7	30	08-JUN-15
Trichlorofluoromethane		<5.0	<5.0	RPD-NA	ug/L	N/A	30	08-JUN-15
Vinyl chloride		1.11	0.99		ug/L	11	30	08-JUN-15
<b>WG2102551-1</b>	<b>LCS</b>							
1,1,1,2-Tetrachloroethane			98.9		%		70-130	08-JUN-15
1,1,2,2-Tetrachloroethane			98.6		%		70-130	08-JUN-15
1,1,1-Trichloroethane			96.9		%		70-130	08-JUN-15
1,1,2-Trichloroethane			101.3		%		70-130	08-JUN-15
1,1-Dichloroethane			92.7		%		70-130	08-JUN-15
1,1-Dichloroethylene			88.4		%		70-130	08-JUN-15
1,2-Dibromoethane			98.7		%		70-130	08-JUN-15
1,2-Dichlorobenzene			96.3		%		70-130	08-JUN-15
1,2-Dichloroethane			97.2		%		70-130	08-JUN-15
1,2-Dichloropropane			98.0		%		70-130	08-JUN-15
1,3-Dichlorobenzene			94.7		%		70-130	08-JUN-15
1,4-Dichlorobenzene			93.2		%		70-130	08-JUN-15
Acetone			105.4		%		60-140	08-JUN-15
Benzene			97.8		%		70-130	08-JUN-15
Bromodichloromethane			97.3		%		70-130	08-JUN-15
Bromoform			102.3		%		70-130	08-JUN-15
Bromomethane			96.0		%		60-140	08-JUN-15
Carbon tetrachloride			96.8		%		70-130	08-JUN-15
Chlorobenzene			97.7		%		70-130	08-JUN-15
Chloroform			99.3		%		70-130	08-JUN-15
cis-1,2-Dichloroethylene			97.8		%		70-130	08-JUN-15
cis-1,3-Dichloropropene			81.3		%		70-130	08-JUN-15
Dibromochloromethane			97.6		%		70-130	08-JUN-15
Dichlorodifluoromethane			75.9		%		60-140	08-JUN-15
Ethylbenzene			91.4		%		70-130	08-JUN-15
n-Hexane			106.7		%		70-130	08-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203445</b>							
<b>WG2102551-1</b>	<b>LCS</b>							
m+p-Xylenes			91.2		%		70-130	08-JUN-15
Methyl Ethyl Ketone			97.2		%		60-140	08-JUN-15
Methyl Isobutyl Ketone			84.4		%		60-140	08-JUN-15
Methylene Chloride			97.5		%		70-130	08-JUN-15
MTBE			99.0		%		70-130	08-JUN-15
o-Xylene			91.9		%		70-130	08-JUN-15
Styrene			89.6		%		70-130	08-JUN-15
Tetrachloroethylene			96.3		%		70-130	08-JUN-15
Toluene			94.0		%		70-130	08-JUN-15
trans-1,2-Dichloroethylene			88.0		%		70-130	08-JUN-15
trans-1,3-Dichloropropene			79.9		%		70-130	08-JUN-15
Trichloroethylene			98.0		%		70-130	08-JUN-15
Trichlorofluoromethane			108.8		%		60-140	08-JUN-15
Vinyl chloride			108.5		%		60-140	08-JUN-15
<b>WG2102551-2</b>	<b>MB</b>							
1,1,1,2-Tetrachloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1,2,2-Tetrachloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1,1-Trichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1,2-Trichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1-Dichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,1-Dichloroethylene			<0.50		ug/L		0.5	08-JUN-15
1,2-Dibromoethane			<0.20		ug/L		0.2	08-JUN-15
1,2-Dichlorobenzene			<0.50		ug/L		0.5	08-JUN-15
1,2-Dichloroethane			<0.50		ug/L		0.5	08-JUN-15
1,2-Dichloropropane			<0.50		ug/L		0.5	08-JUN-15
1,3-Dichlorobenzene			<0.50		ug/L		0.5	08-JUN-15
1,4-Dichlorobenzene			<0.50		ug/L		0.5	08-JUN-15
Acetone			<30		ug/L		30	08-JUN-15
Benzene			<0.50		ug/L		0.5	08-JUN-15
Bromodichloromethane			<2.0		ug/L		2	08-JUN-15
Bromoform			<5.0		ug/L		5	08-JUN-15
Bromomethane			<0.50		ug/L		0.5	08-JUN-15
Carbon tetrachloride			<0.20		ug/L		0.2	08-JUN-15
Chlorobenzene			<0.50		ug/L		0.5	08-JUN-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>		<b>Water</b>						
<b>Batch</b>	<b>R3203445</b>							
<b>WG2102551-2</b>	<b>MB</b>							
Chloroform			<1.0		ug/L		1	08-JUN-15
cis-1,2-Dichloroethylene			<0.50		ug/L		0.5	08-JUN-15
cis-1,3-Dichloropropene			<0.30		ug/L		0.3	08-JUN-15
Dibromochloromethane			<2.0		ug/L		2	08-JUN-15
Dichlorodifluoromethane			<2.0		ug/L		2	08-JUN-15
Ethylbenzene			<0.50		ug/L		0.5	08-JUN-15
n-Hexane			<0.50		ug/L		0.5	08-JUN-15
m+p-Xylenes			<0.40		ug/L		0.4	08-JUN-15
Methyl Ethyl Ketone			<20		ug/L		20	08-JUN-15
Methyl Isobutyl Ketone			<20		ug/L		20	08-JUN-15
Methylene Chloride			<5.0		ug/L		5	08-JUN-15
MTBE			<2.0		ug/L		2	08-JUN-15
o-Xylene			<0.30		ug/L		0.3	08-JUN-15
Styrene			<0.50		ug/L		0.5	08-JUN-15
Tetrachloroethylene			<0.50		ug/L		0.5	08-JUN-15
Toluene			<0.50		ug/L		0.5	08-JUN-15
trans-1,2-Dichloroethylene			<0.50		ug/L		0.5	08-JUN-15
trans-1,3-Dichloropropene			<0.30		ug/L		0.3	08-JUN-15
Trichloroethylene			<0.50		ug/L		0.5	08-JUN-15
Trichlorofluoromethane			<5.0		ug/L		5	08-JUN-15
Vinyl chloride			<0.50		ug/L		0.5	08-JUN-15
Surrogate: 1,4-Difluorobenzene			98.7		%		70-130	08-JUN-15
Surrogate: 4-Bromofluorobenzene			98.2		%		70-130	08-JUN-15
<b>WG2102551-5</b>	<b>MS</b>	<b>WG2102551-3</b>						
1,1,1,2-Tetrachloroethane			100.5		%		50-140	08-JUN-15
1,1,1,2-Tetrachloroethane			104.8		%		50-140	08-JUN-15
1,1,1-Trichloroethane			95.4		%		50-140	08-JUN-15
1,1,2-Trichloroethane			107.0		%		50-140	08-JUN-15
1,1-Dichloroethane			94.5		%		50-140	08-JUN-15
1,1-Dichloroethylene			81.9		%		50-140	08-JUN-15
1,2-Dibromoethane			105.3		%		50-140	08-JUN-15
1,2-Dichlorobenzene			96.7		%		50-140	08-JUN-15
1,2-Dichloroethane			105.3		%		50-140	08-JUN-15
1,2-Dichloropropane			101.3		%		50-140	08-JUN-15

## Quality Control Report

Workorder: L1621945

Report Date: 15-JUN-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-511-HS-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3203445</b>							
<b>WG2102551-5 MS</b>		<b>WG2102551-3</b>						
1,3-Dichlorobenzene			91.2		%		50-140	08-JUN-15
1,4-Dichlorobenzene			91.6		%		50-140	08-JUN-15
Acetone			120.1		%		50-140	08-JUN-15
Benzene			99.2		%		50-140	08-JUN-15
Bromodichloromethane			102.9		%		50-140	08-JUN-15
Bromoform			110.3		%		50-140	08-JUN-15
Bromomethane			93.9		%		50-140	08-JUN-15
Carbon tetrachloride			95.2		%		50-140	08-JUN-15
Chlorobenzene			97.6		%		50-140	08-JUN-15
Chloroform			103.0		%		50-140	08-JUN-15
cis-1,2-Dichloroethylene			100.5		%		50-140	08-JUN-15
cis-1,3-Dichloropropene			79.9		%		50-140	08-JUN-15
Dibromochloromethane			102.4		%		50-140	08-JUN-15
Dichlorodifluoromethane			69.0		%		50-140	08-JUN-15
Ethylbenzene			84.8		%		50-140	08-JUN-15
n-Hexane			97.5		%		50-140	08-JUN-15
m+p-Xylenes			85.0		%		50-140	08-JUN-15
Methyl Ethyl Ketone			109.5		%		50-140	08-JUN-15
Methyl Isobutyl Ketone			90.7		%		50-140	08-JUN-15
Methylene Chloride			104.7		%		50-140	08-JUN-15
MTBE			99.8		%		50-140	08-JUN-15
o-Xylene			86.5		%		50-140	08-JUN-15
Styrene			86.4		%		50-140	08-JUN-15
Tetrachloroethylene			88.1		%		50-140	08-JUN-15
Toluene			89.6		%		50-140	08-JUN-15
trans-1,2-Dichloroethylene			85.2		%		50-140	08-JUN-15
trans-1,3-Dichloropropene			75.9		%		50-140	08-JUN-15
Trichloroethylene			97.1		%		50-140	08-JUN-15
Trichlorofluoromethane			103.7		%		50-140	08-JUN-15
Vinyl chloride			101.0		%		50-140	08-JUN-15

# Quality Control Report

Workorder: L1621945

Report Date: 15-JUN-15

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7  
Contact: MAURO CORTES/DIRK GEVAERT

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## Legend:

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Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.
J	Duplicate results and limits are expressed in terms of absolute difference.
MES	Data Quality Objective was marginally exceeded (by < 10% absolute) for < 10% of analytes in a Multi-Element Scan / Multi-Parameter Scan (considered acceptable as per OMOE & CCME).
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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## Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

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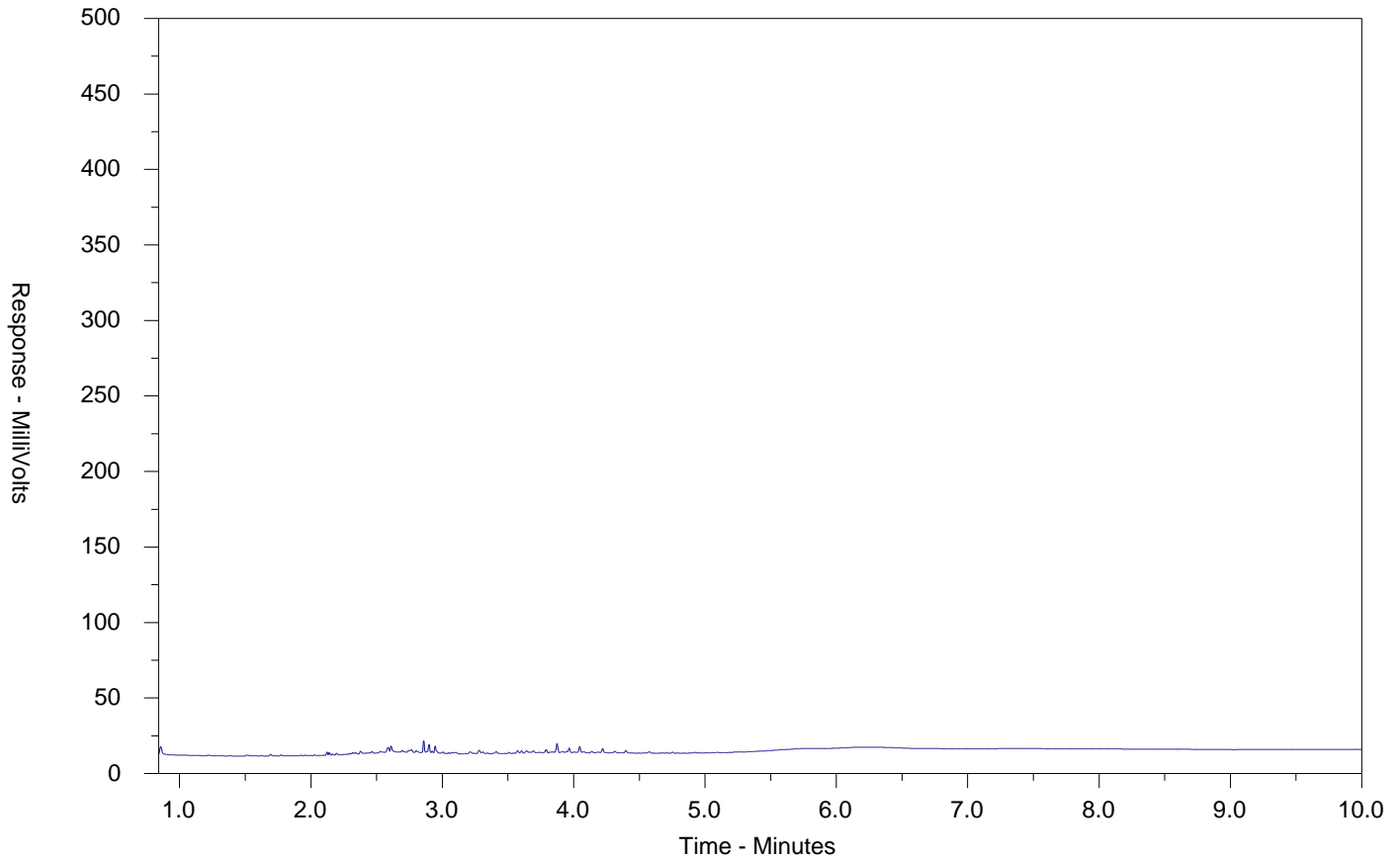
The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-1  
 Client Sample ID: BH/MW-02



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

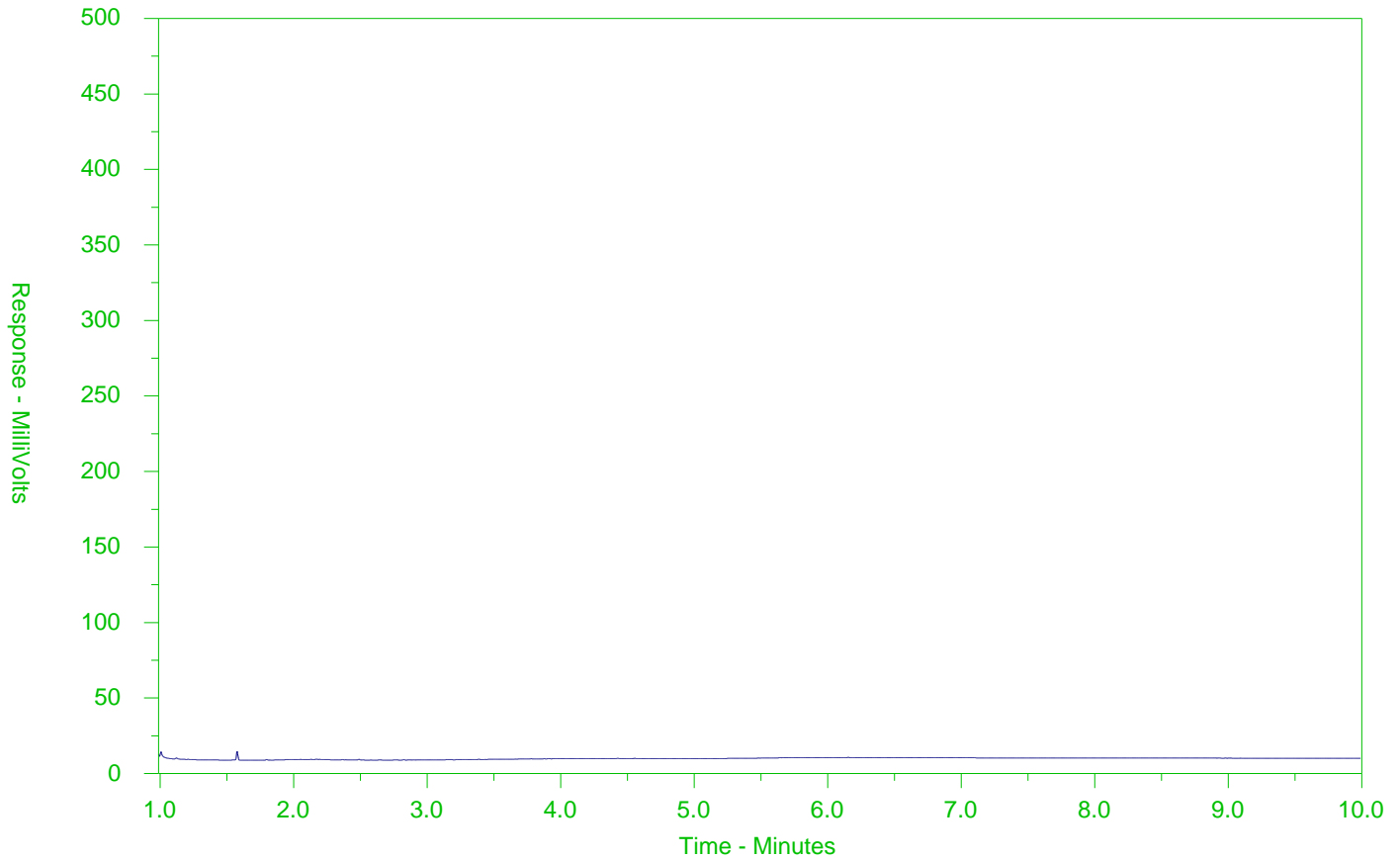
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-2  
 Client Sample ID: BH/MW-07



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

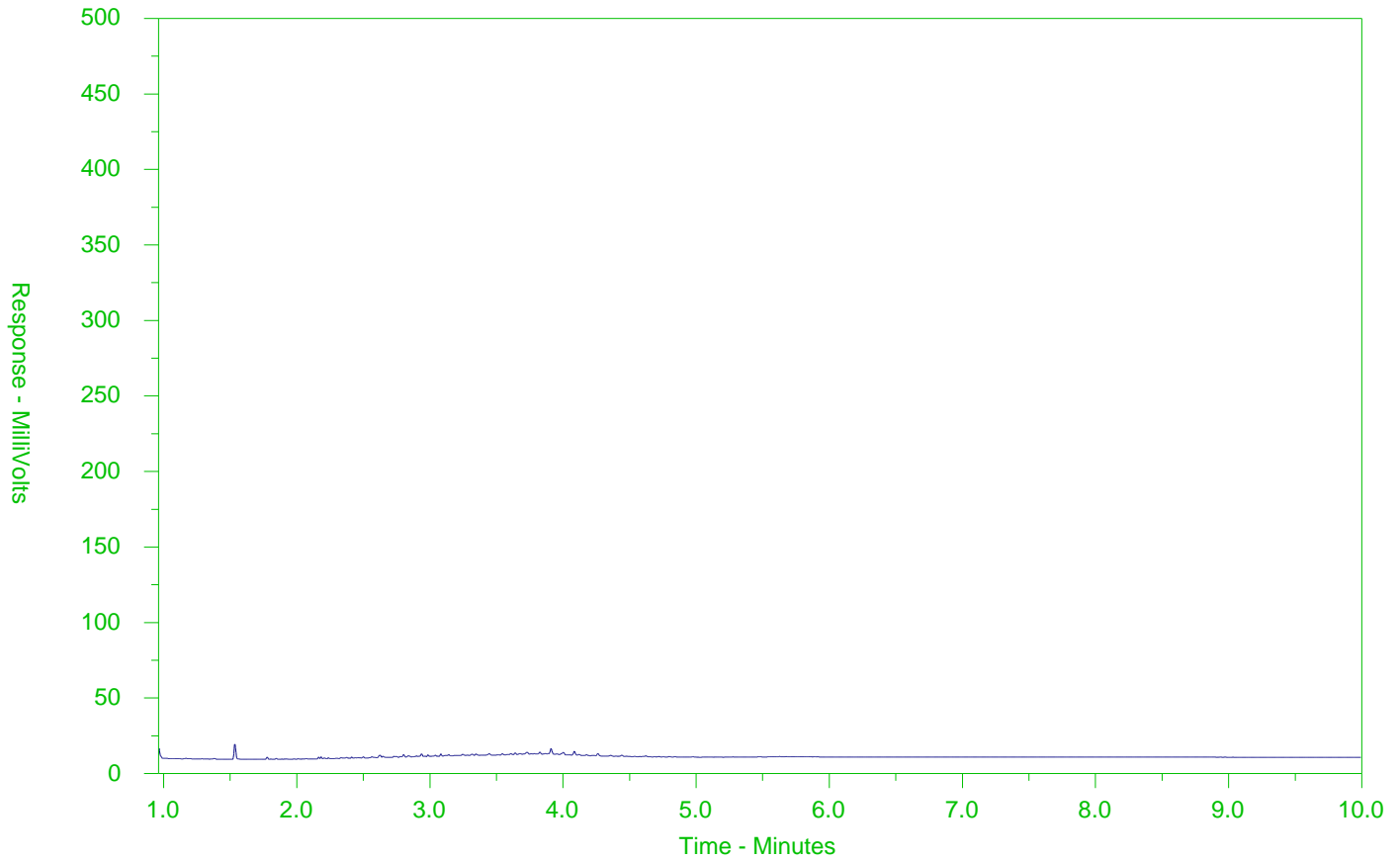
Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).



# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-3  
 Client Sample ID: BH/MW-07A



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

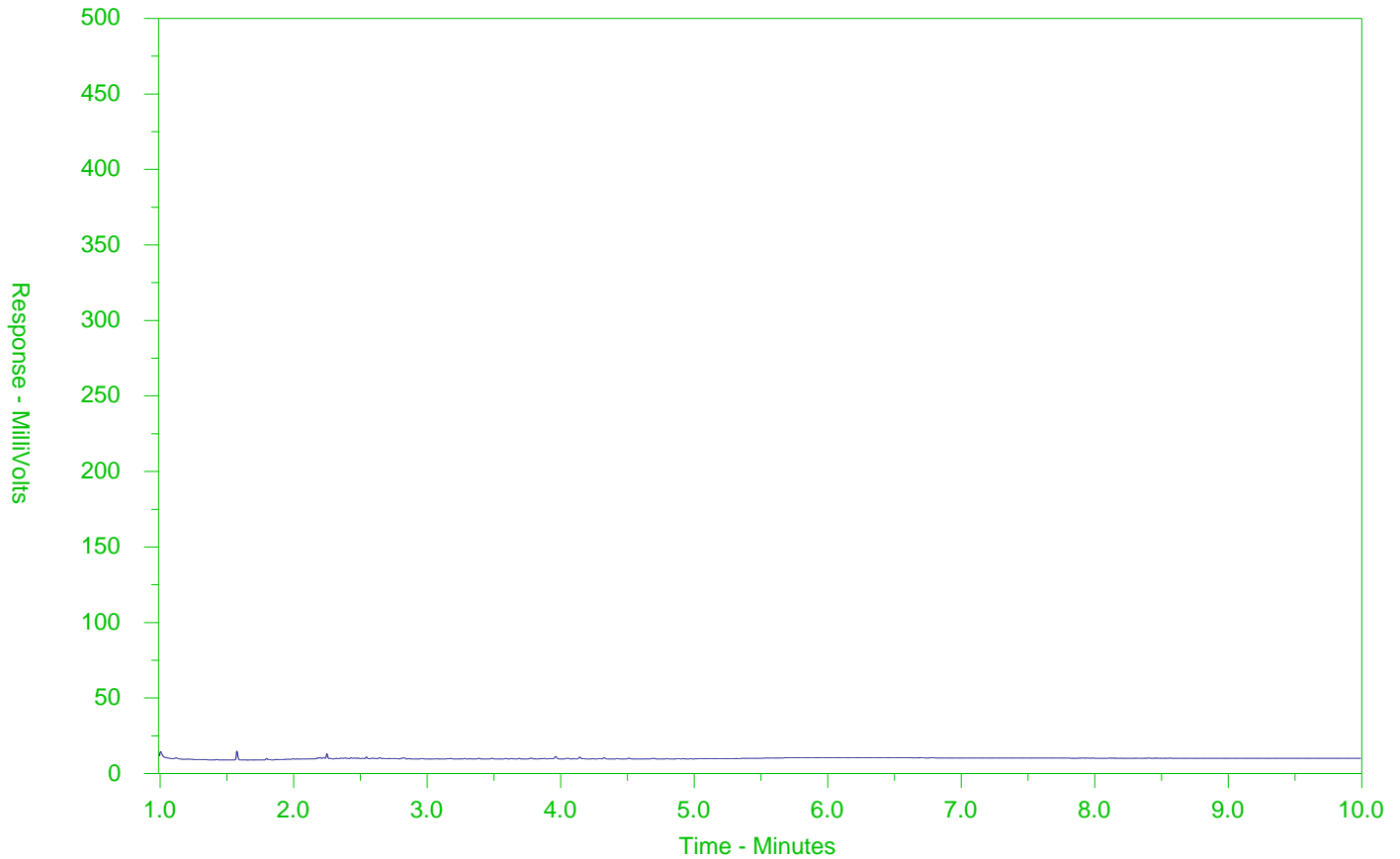
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-4  
 Client Sample ID: BH/MW-11



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

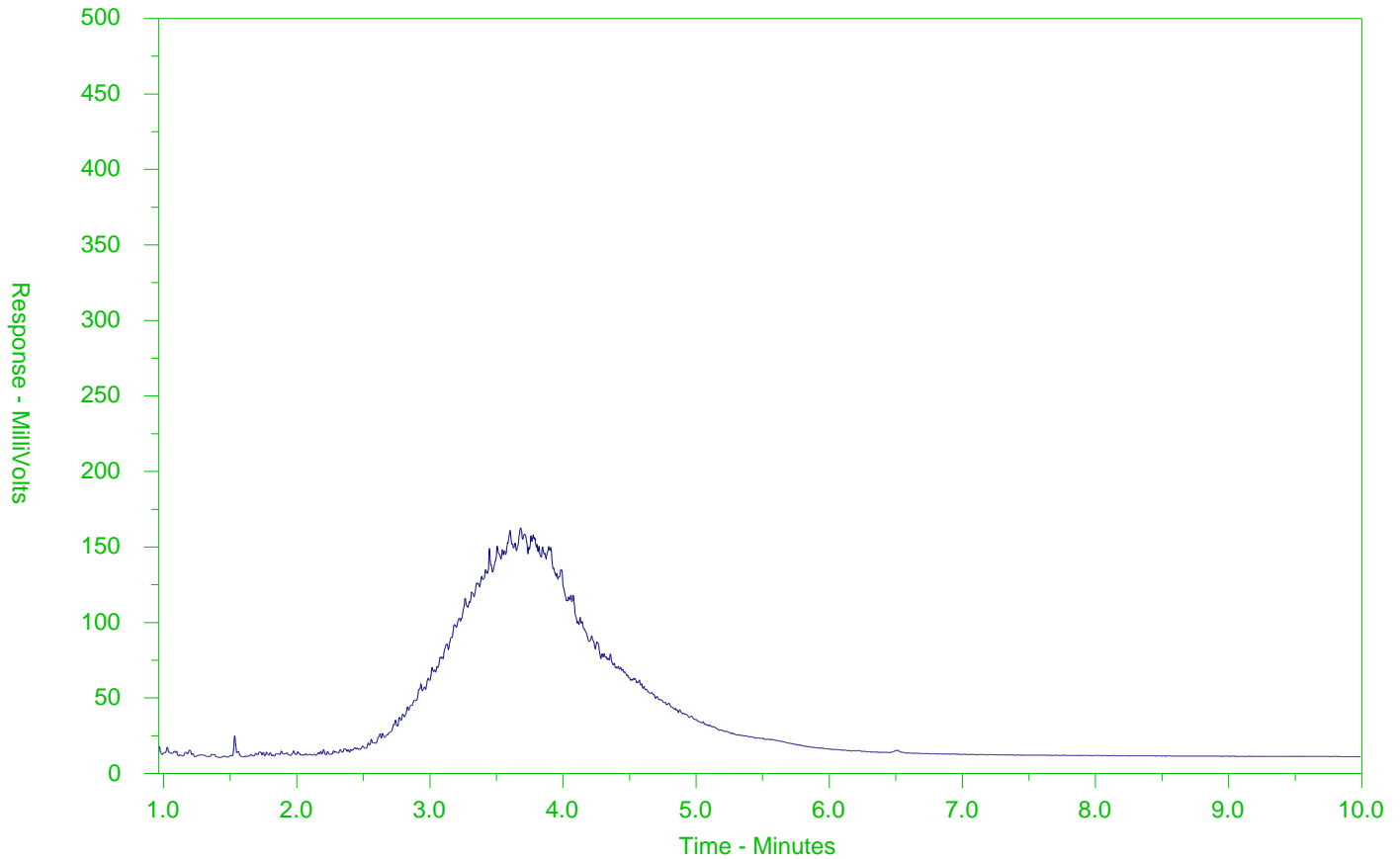
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-5  
 Client Sample ID: BH/MW-12



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

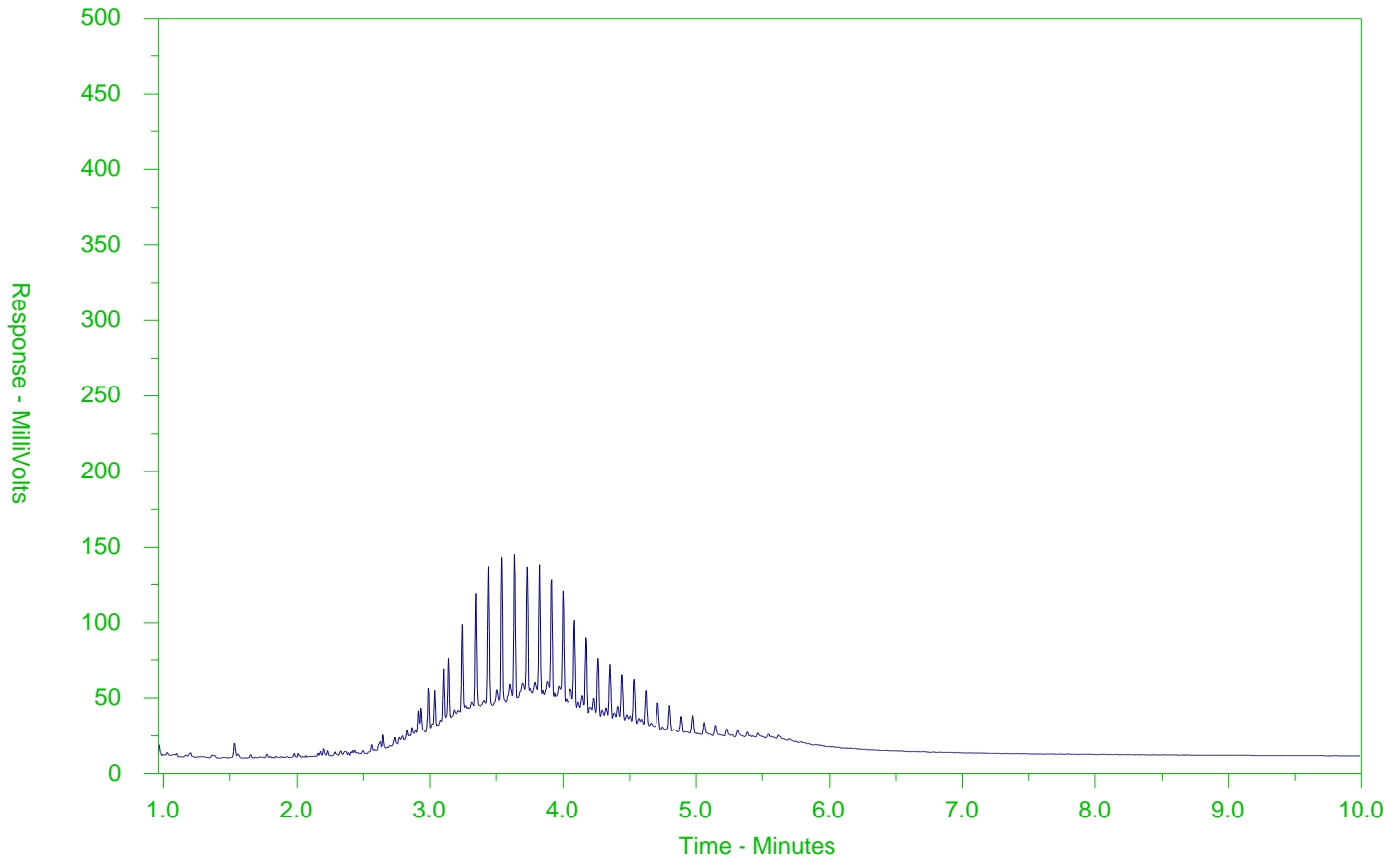
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-7  
 Client Sample ID: BH/MW-16



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship Ctrl+N	
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

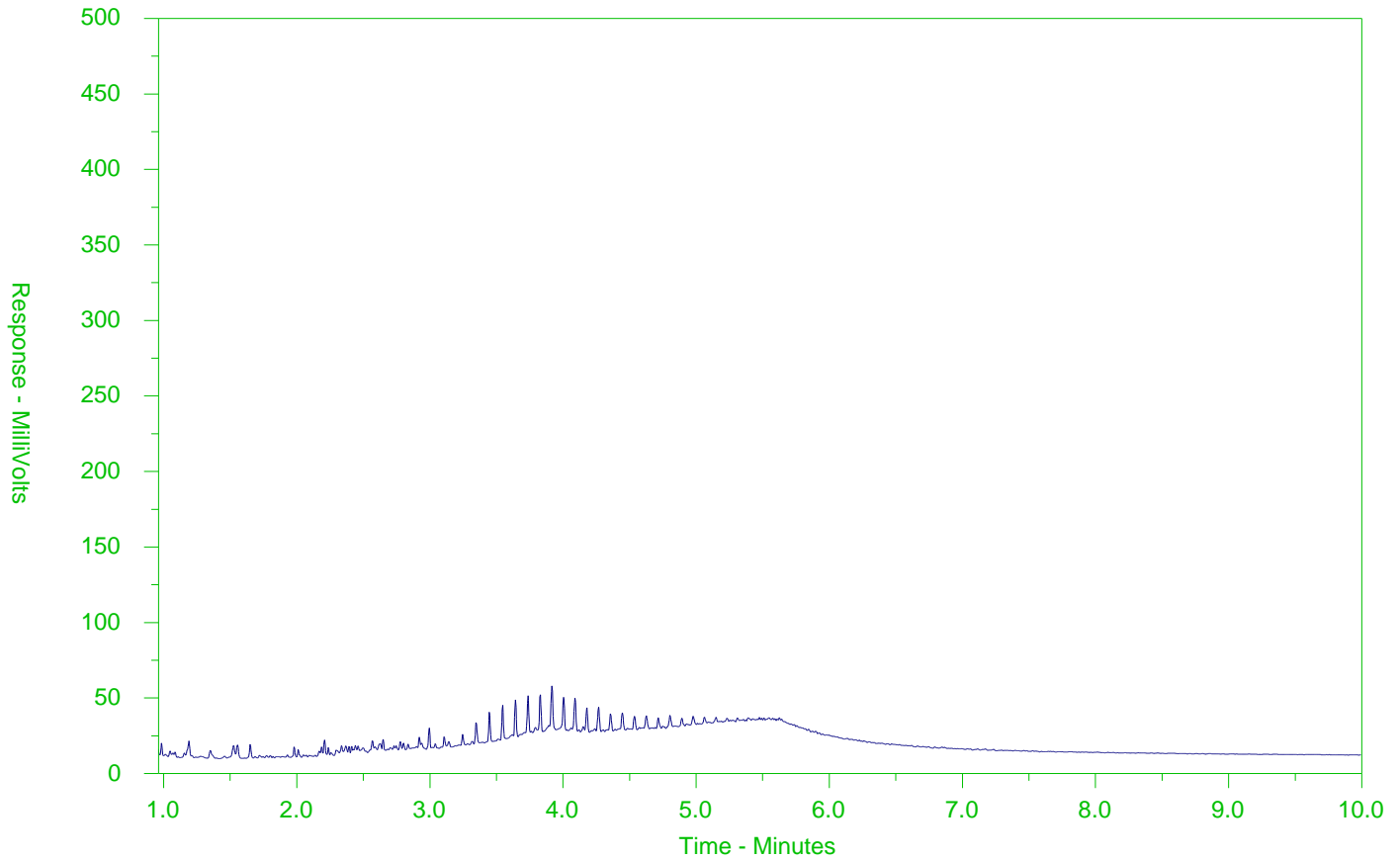
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-9  
 Client Sample ID: BH/MW-19



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

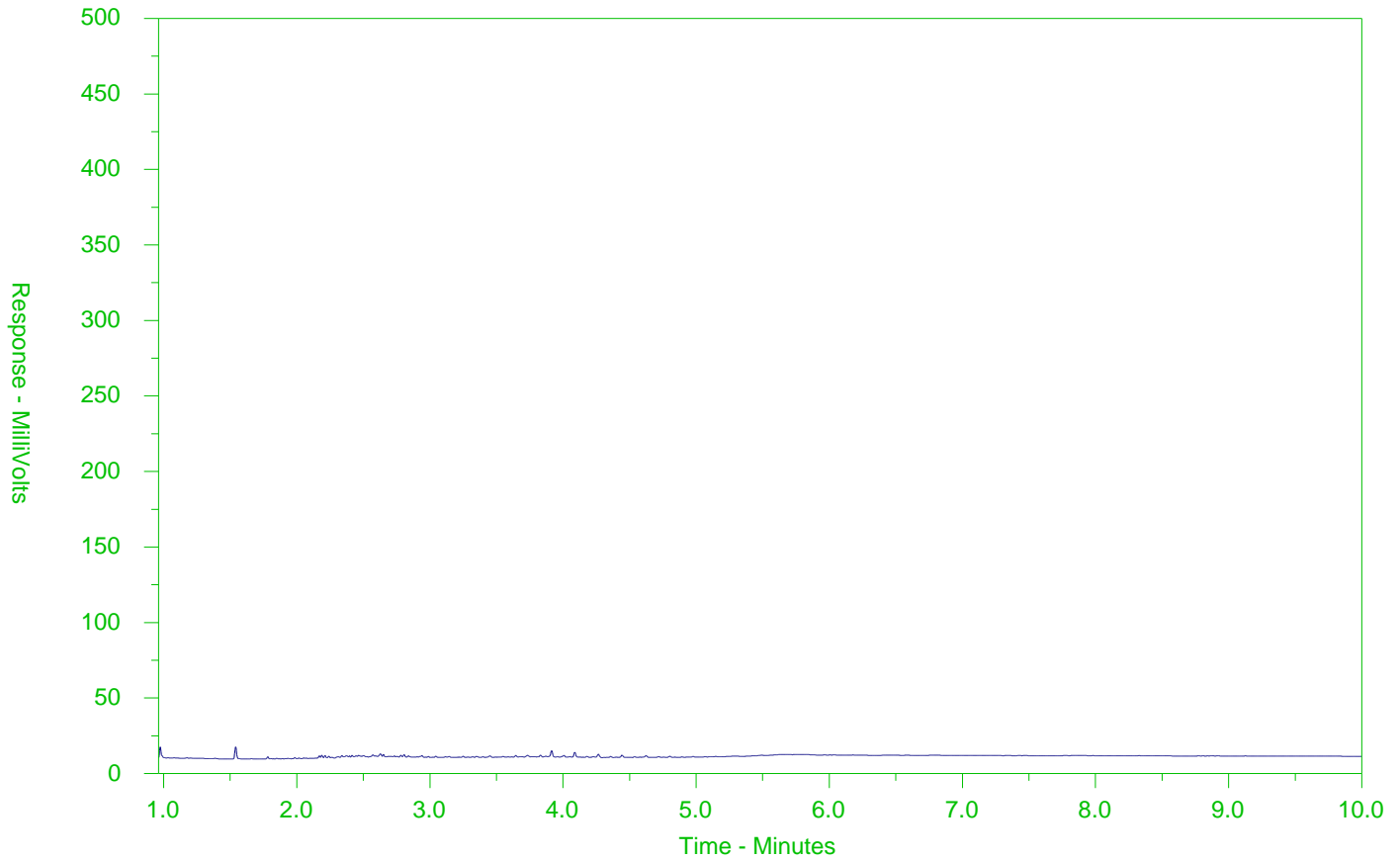
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-11  
 Client Sample ID: BH/MW-25



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

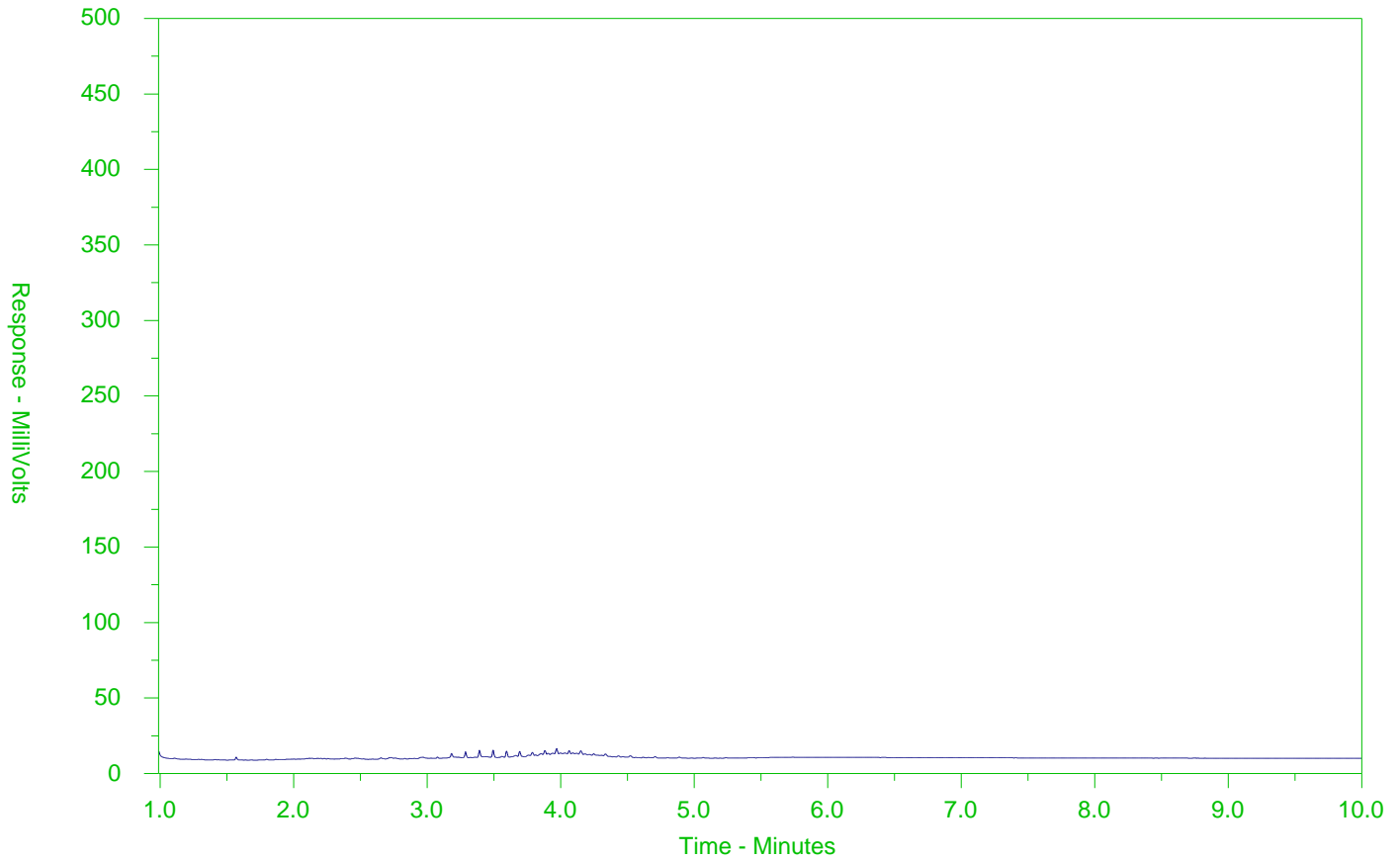
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-12  
 Client Sample ID: BH/MW-26



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

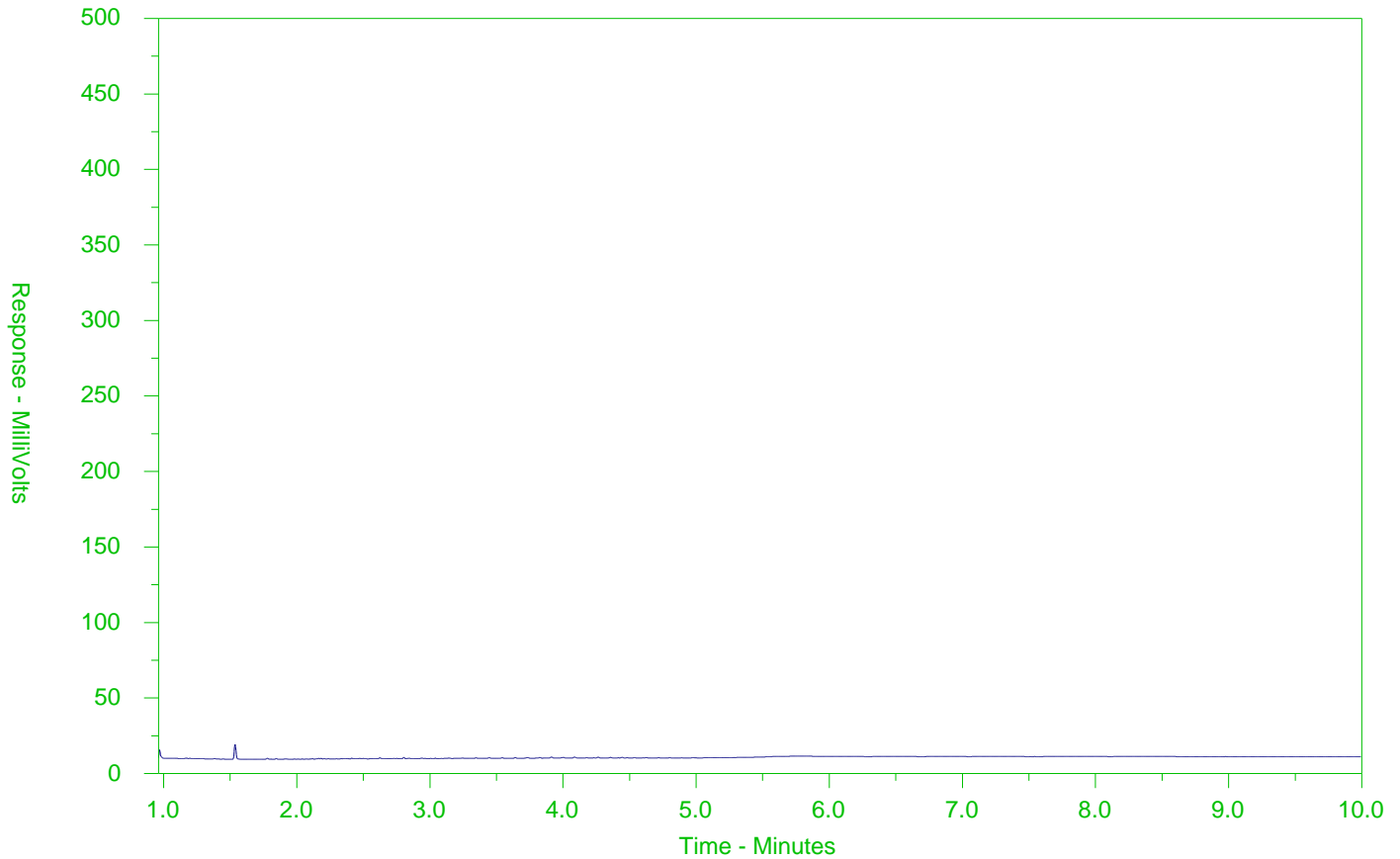
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-13  
 Client Sample ID: BH/MW-27



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

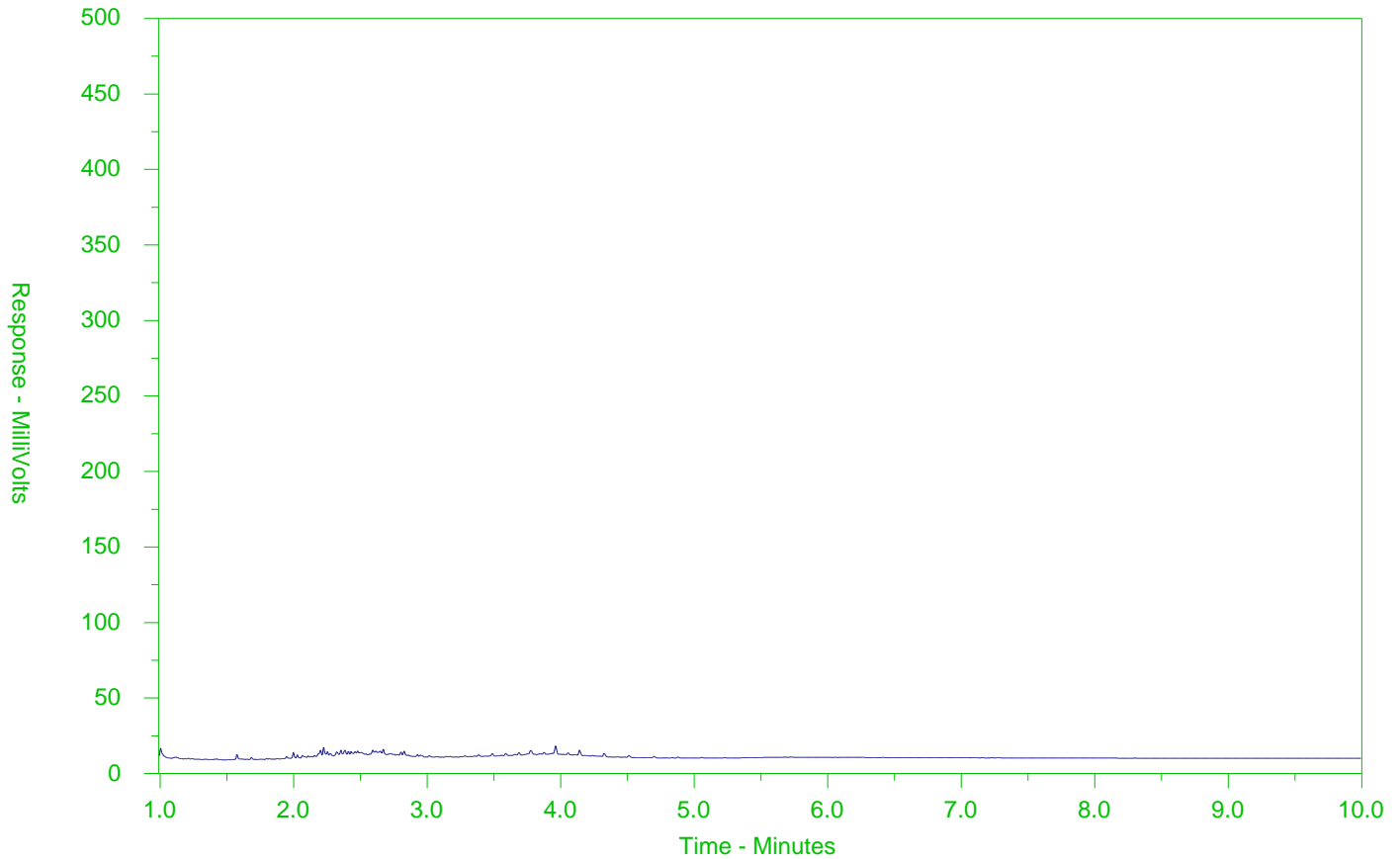
Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).



# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-14  
 Client Sample ID: BH/MW-28



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

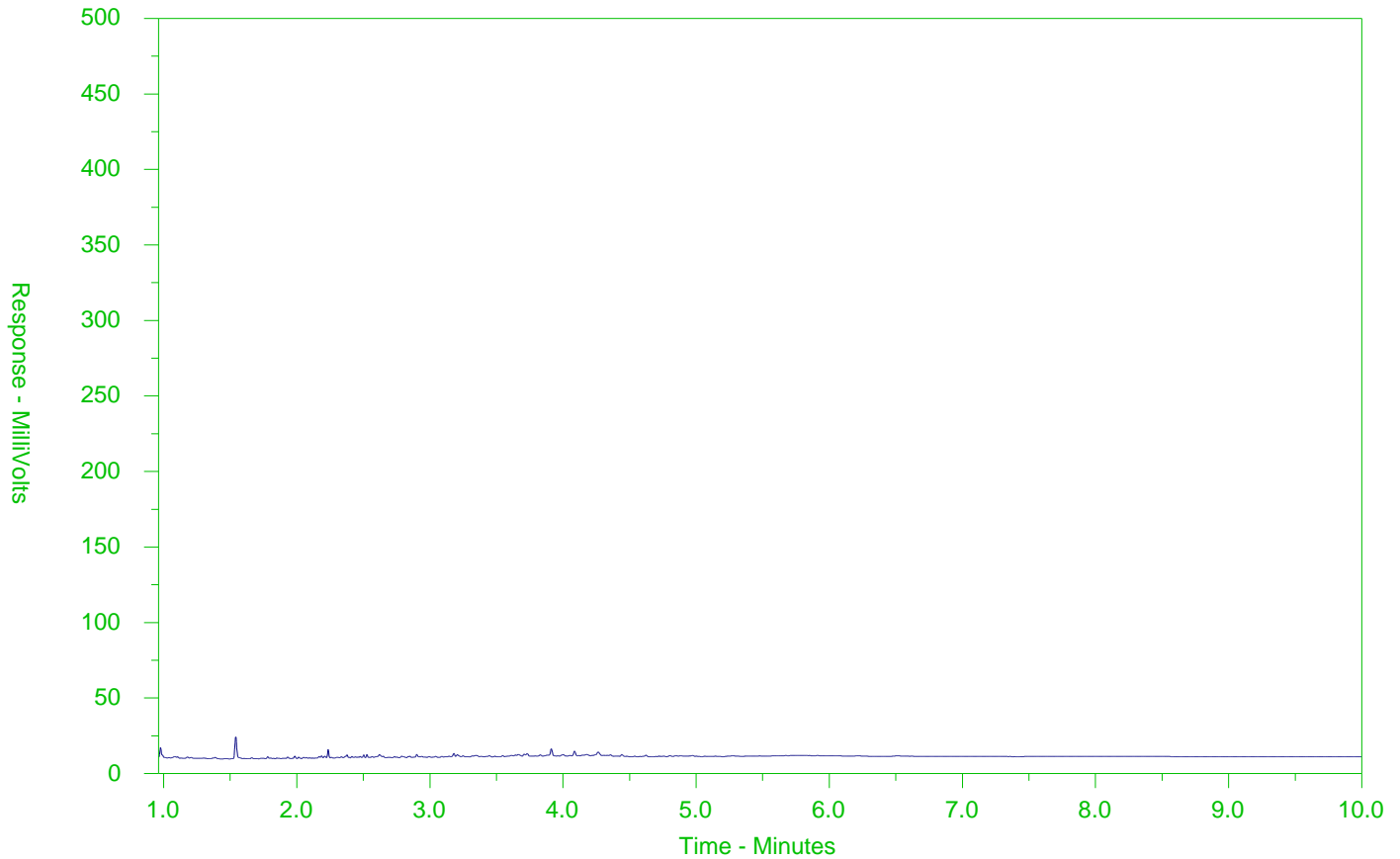
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-15  
 Client Sample ID: BH/MW-30



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship	Ctrl+N
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

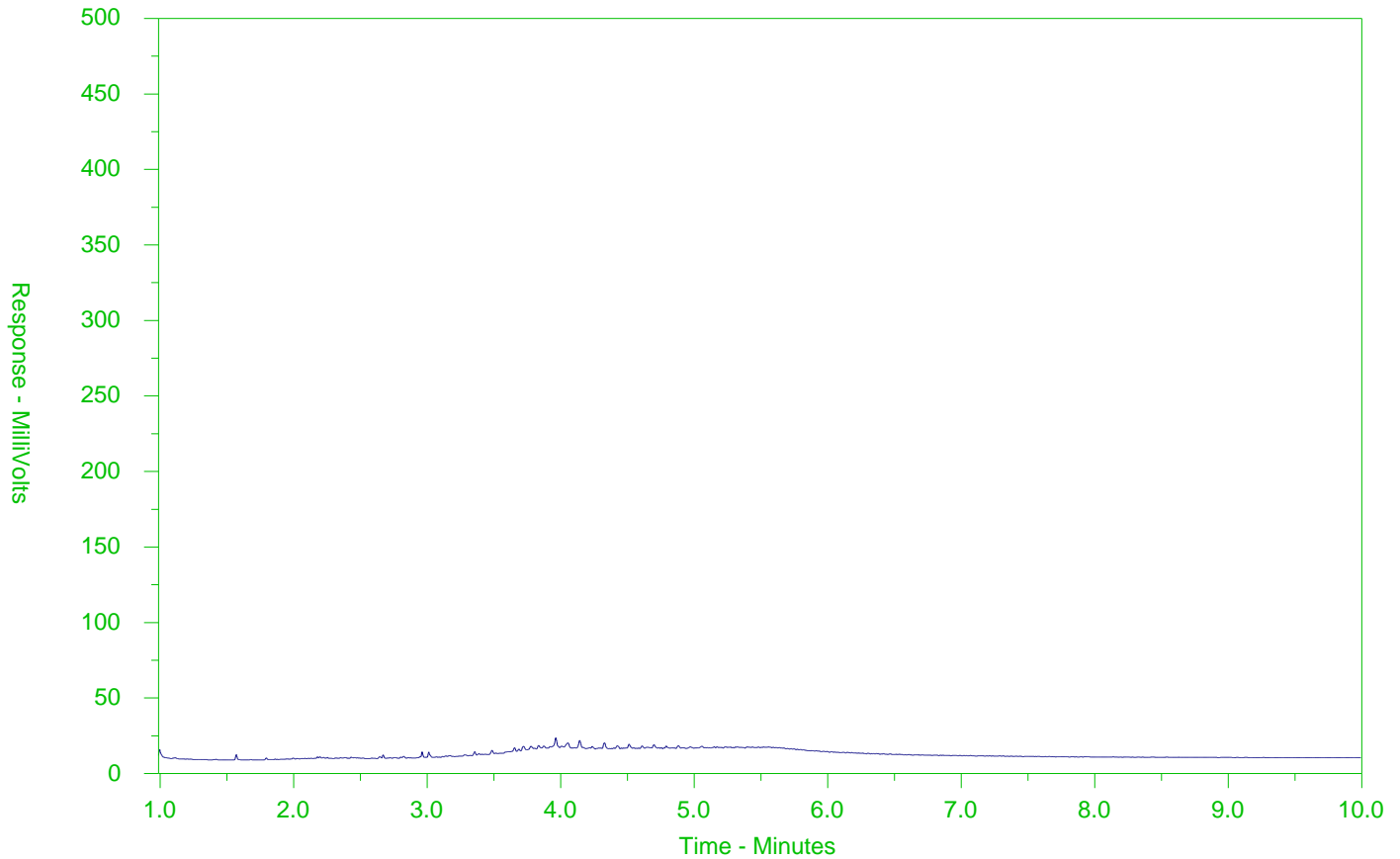
Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).

# CCME F2-F4 HYDROCARBON DISTRIBUTION REPORT



ALS Sample ID: L1621945-16  
 Client Sample ID: BH/MW-31



← F2 →		← F3 →		← F4 →	
nC10	nC16	nC34	nC50	Ship Ctrl+N	
174°C	287°C	481°C	75°C		
346°F	549°F	898°F	1067°F		
← Gasoline →			← Motor Oils/ Lube Oils/ Grease →		
← Diesel/ Jet Fuels →					

The CCME F2-F4 Hydrocarbon Distribution Report (HDR) is intended to assist you in characterizing hydrocarbon products that may be present in your sample.

The scale at the bottom of the chromatogram indicates the approximate retention times of common petroleum products and four n-alkane hydrocarbon marker compounds. Retention times may vary between samples, but general patterns and distributions will remain similar.

Peak heights in this report are a function of the sample concentration, the sample amount extracted, the sample dilution factor and the scale at the left.

Note: This chromatogram was produced using GC conditions that are specific to ALS Canada CCME F2-F4 method. Refer to the ALS Canada CCME F2-F4 Hydrocarbon Library for a collection of chromatograms from common reference samples (fuels, oils, etc.). The HDR Library can be found at [www.alsglobal.com](http://www.alsglobal.com).



L1621945-COFC

<b>Report To</b>		<b>Report Format / Distribution</b>			<b>Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)</b>														
Company: <b>AMEC FOSTER WHEELER</b>		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			R <input checked="" type="checkbox"/> Regular (Standard TAT if received by 3pm)														
Contact: <b>MAURO CORTES</b>		Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			P <input type="checkbox"/> Priority (2-4 business days if received by 3pm)														
Address: <b>900 MAPLE GROVE RD, CAMBRIDGE ON</b>		<input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked			E <input type="checkbox"/> Emergency (1-2 business days if received by 3pm)														
Phone: <b>519-650-7100</b>		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			E2 <input type="checkbox"/> Same day or weekend emergency if received by 10am - contact ALS for surcharge.														
Invoice To Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Email 1 or Fax: <b>MAURO.CORTES@AMEC.COM</b>			Specify Date Required for E2,E or P:														
Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Email 2: <b>HERMAN.PADHAM@AMEC.FIN.COM</b>			<b>Analysis Request</b>														
Company:		<b>Invoice Distribution</b>			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below														
Contact:		Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PAM'S</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">VOC'S</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">PHC F1 to F4</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Inorganics/metals dissolved</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">General Chem</div> </div>														
<b>Project Information</b>		<b>Oil and Gas Required Fields (client use)</b>																	
ALS Quote #: <b>49243</b>		Approver ID: _____ Cost Center: _____																	
Job #: <b>QWC157090</b>		GL Account: _____ Routing Code: _____																	
PO / A/E: _____		Activity Code: _____																	
LSD: _____		Location: _____																	
ALS Lab Work Order # (lab use only): <b>L162194509</b>		ALS Contact: <b>MLP</b> Sampler: <b>HP</b>																	
ALS Sample # (lab use only)		Sample Identification and/or Coordinates (This description will appear on the report)									Date (dd-mmm-yy)			Time (hh:mm)			Sample Type		
1		BH/MW-02									03-JUN-15			1445			Water		
2		BH/MW-07									↓			1300			↓		
3		BH/MW-07A			1345														
4		BH/MW-11			↓			1530			↓								
5		BH/MW-12						04-JUN-15						0645					
6		BH/MW-14			↓			0730			↓								
7		BH/MW-16						0800											
8		BH/MW-17			↓			0830			↓								
9		BH/MW-19						0900											
10		BH/MW-22			↓			0930			↓								
11		BH/MW-25						1015											
12		BH/MW-26			1045			1045			↓								
<b>Drinking Water (DW) Samples (client use)</b>		<b>Special Instructions / Specify Criteria to add on report (client Use)</b>			<b>SAMPLE CONDITION AS RECEIVED (lab use only)</b>														
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		BH/MW-17 & 19 off grazing in VOC vials Table 1 & 2 Please take care, sample may yield high results			Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>														
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Ice packs Yes <input type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>														
					Cooling Initiated <input type="checkbox"/>														
					INITIAL COOLER TEMPERATURES °C			FINAL COOLER TEMPERATURES °C											
								3.2 3.6 6.8 5.4 0.6											
<b>SHIPMENT RELEASE (client use)</b>		<b>INITIAL SHIPMENT RECEPTION (lab use only)</b>			<b>FINAL SHIPMENT RECEPTION (lab use only)</b>														
Released by: <b>H. PADHAM</b>		Received by: _____			Received by: _____														
Date: <b>JUN 4/15</b>		Date: _____			Date: <b>4 June 15</b>														
Time: <b>1555</b>		Time: _____			Time: <b>16:00</b>														

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FM-0209a v08 Form 03 October 2013

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.





AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 09-JUN-15  
Report Date: 15-JUN-15 14:11 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1623829  
**Project P.O. #:** NOT SUBMITTED  
**Job Reference:** SWC157090  
**C of C Numbers:** 14-462306, 14-462307  
**Legal Site Desc:**

Mary-Lynn Pires  
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-1 BH/MW-02 Sampled By: H. PADHAM on 09-JUN-15 @ 11:45 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO <sub>3</sub> )	1900		24			09-JUN-15	
Total Dissolved Solids	760		20	mg/L		11-JUN-15	R3205390
Turbidity	5.64		0.10	NTU	10-JUN-15	10-JUN-15	R3204865
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO <sub>3</sub> )	484		10	mg/L		10-JUN-15	R3205264
Ammonia, Total (as N)	1.58		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	0.128		0.022	mg/L		15-JUN-15	
Nitrate (as N)	0.091		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	0.037		0.010	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	2.28		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	1.88		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<0.20	DLM	0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H <sub>2</sub> S)	<0.20		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	595	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	101	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-2 BH/MW-07 Sampled By: H. PADHAM on 09-JUN-15 @ 11:30 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO <sub>3</sub> )	439		10			09-JUN-15	
Total Dissolved Solids	1170		20	mg/L		11-JUN-15	R3205390
Turbidity	41.0		0.10	NTU	10-JUN-15	10-JUN-15	R3204865
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO <sub>3</sub> )	362		10	mg/L		10-JUN-15	R3205264
Ammonia, Total (as N)	1.13		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.11		0.11	mg/L		15-JUN-15	
Nitrate (as N)	<0.10		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.050		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	1.59		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.102		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	0.051		0.020	mg/L		10-JUN-15	R3204508
Sulphide (as H <sub>2</sub> S)	0.054		0.020	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	146		0.50	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	18.2		0.50	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-3 BH/MW-07A Sampled By: H. PADHAM on 09-JUN-15 @ 11:30 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO <sub>3</sub> )	2250		24			09-JUN-15	
Total Dissolved Solids	1160		20	mg/L		11-JUN-15	R3205390
Turbidity	10.5		0.10	NTU	10-JUN-15	10-JUN-15	R3204865

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-3 BH/MW-07A Sampled By: H. PADHAM on 09-JUN-15 @ 11:30 Matrix: WATER							
<b>Physical Tests</b>							
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	366		10	mg/L		10-JUN-15	R3205264
Ammonia, Total (as N)	1.08		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.11		0.11	mg/L		15-JUN-15	
Nitrate (as N)	<0.10		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.050		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	1.57		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	1.05		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	1.01		0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	1.07		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	660	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	146	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-4 BH/MW-11 Sampled By: H. PADHAM on 09-JUN-15 @ 12:00 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	5610		24			09-JUN-15	
Total Dissolved Solids	675		20	mg/L		11-JUN-15	R3205390
Turbidity	10.3		0.10	NTU	10-JUN-15	10-JUN-15	R3204865
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	440		10	mg/L		10-JUN-15	R3205264
Ammonia, Total (as N)	0.193		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.11		0.11	mg/L		15-JUN-15	
Nitrate (as N)	<0.10		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.050		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.48		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.054		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<1.0	DLM	1.0	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	<1.0		1.0	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	1730	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	311	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-5 BH/MW-12 Sampled By: H. PADHAM on 09-JUN-15 @ 12:00 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	5030		24			09-JUN-15	
Total Dissolved Solids	789		20	mg/L		11-JUN-15	R3205390
Turbidity	11.2		0.10	NTU	10-JUN-15	10-JUN-15	R3204865
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	405		10	mg/L		10-JUN-15	R3205264
Ammonia, Total (as N)	0.741		0.050	mg/L		10-JUN-15	R3205459

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.



## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-5 BH/MW-12 Sampled By: H. PADHAM on 09-JUN-15 @ 12:00 Matrix: WATER							
<b>Anions and Nutrients</b>							
Nitrate and Nitrite as N	<0.11		0.11	mg/L		15-JUN-15	
Nitrate (as N)	<0.10		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.050		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.92		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	1.83		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	0.45		0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	0.48		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	1430	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	353	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-6 BH/MW-14 Sampled By: H. PADHAM on 09-JUN-15 @ 12:15 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	4550		24			09-JUN-15	
Total Dissolved Solids	615		20	mg/L		11-JUN-15	R3205390
Turbidity	12.0		0.10	NTU	10-JUN-15	10-JUN-15	R3204865
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	489	DLA	20	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	1.82		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.022		0.022	mg/L		15-JUN-15	
Nitrate (as N)	<0.020		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	0.011		0.010	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	2.55		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.324		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	0.86		0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	0.91		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	1460	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	216	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-7 BH/MW-16 Sampled By: H. PADHAM on 09-JUN-15 @ 12:15 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	5630		24			09-JUN-15	
Total Dissolved Solids	714		20	mg/L		11-JUN-15	R3205390
Turbidity	13.1		0.10	NTU	10-JUN-15	10-JUN-15	R3204865
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	533	DLA	20	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	6.26	DLA	0.25	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.022		0.022	mg/L		15-JUN-15	
Nitrate (as N)	<0.020		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.010		0.010	mg/L		12-JUN-15	R3207615

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-7 BH/MW-16 Sampled By: H. PADHAM on 09-JUN-15 @ 12:15 Matrix: WATER							
<b>Anions and Nutrients</b>							
Total Kjeldahl Nitrogen	6.63		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.117		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	0.49		0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	0.52		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	1700	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	338	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-8 BH/MW-17 Sampled By: H. PADHAM on 09-JUN-15 @ 12:30 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	5340		24			09-JUN-15	
Total Dissolved Solids	1820		20	mg/L		11-JUN-15	R3205390
Turbidity	123		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	618	DLA	20	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	20.0	DLA	0.50	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.022		0.022	mg/L		15-JUN-15	
Nitrate (as N)	<0.020		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.010		0.010	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	21.5	DLA	0.75	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.056		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	0.29		0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	0.31		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	1640	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	305	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-9 BH/MW-19 Sampled By: H. PADHAM on 09-JUN-15 @ 12:30 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	7050		24			09-JUN-15	
Total Dissolved Solids	1550		20	mg/L		11-JUN-15	R3205390
Turbidity	151		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	625	DLA	20	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	25.0	DLA	0.50	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.022		0.022	mg/L		15-JUN-15	
Nitrate (as N)	<0.020		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.010		0.010	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	26.7	DLA	1.5	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.055		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	0.30		0.20	mg/L		10-JUN-15	R3204508

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-9 BH/MW-19 Sampled By: H. PADHAM on 09-JUN-15 @ 12:30 Matrix: WATER							
<b>Anions and Nutrients</b>							
Sulphide (as H2S)	0.32		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	2270	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
Magnesium (Mg)-Total	338	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-10 BH/MW-22 Sampled By: H. PADHAM on 09-JUN-15 @ 12:45 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	22500		240			09-JUN-15	
Total Dissolved Solids	886		20	mg/L		11-JUN-15	R3205390
Turbidity	10.4		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	286		10	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	0.126		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	8.069		0.022	mg/L		15-JUN-15	
Nitrate (as N)	7.99		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	0.079		0.010	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.57		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	<0.030		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<1.0	DLM	1.0	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	<1.0		1.0	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	6840	DLM	50	mg/L	10-JUN-15	11-JUN-15	R3204739
Magnesium (Mg)-Total	1320	DLM	50	mg/L	10-JUN-15	11-JUN-15	R3204739
L1623829-11 BH/MW-25 Sampled By: H. PADHAM on 09-JUN-15 @ 12:45 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	1560		24			09-JUN-15	
Total Dissolved Solids	598		20	mg/L		11-JUN-15	R3205390
Turbidity	10.9		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	335		10	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	0.594		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	<0.022		0.022	mg/L		15-JUN-15	
Nitrate (as N)	<0.020		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.010		0.010	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.68		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.467		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<0.10	DLM	0.10	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	<0.10		0.10	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	460	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-11 BH/MW-25 Sampled By: H. PADHAM on 09-JUN-15 @ 12:45 Matrix: WATER							
<b>Total Metals</b>							
Magnesium (Mg)-Total	99.3	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3204739
L1623829-12 BH/MW-26 Sampled By: H. PADHAM on 09-JUN-15 @ 13:00 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	812		24			09-JUN-15	
Total Dissolved Solids	460		20	mg/L		12-JUN-15	R3206634
Turbidity	11.6		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	276		10	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	0.286		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	0.314		0.022	mg/L		15-JUN-15	
Nitrate (as N)	0.220		0.020	mg/L		12-JUN-15	R3207615
Nitrite (as N)	0.094		0.010	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.44		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.670		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<1.0	DLM	1.0	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	<1.0		1.0	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	230	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366
Magnesium (Mg)-Total	58.0	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366
L1623829-13 BH/MW-27 Sampled By: H. PADHAM on 09-JUN-15 @ 13:00 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO3)	1840		24			09-JUN-15	
Total Dissolved Solids	744		20	mg/L		12-JUN-15	R3206634
Turbidity	14.1		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO3)	288		10	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	0.125		0.050	mg/L		10-JUN-15	R3205459
Nitrate and Nitrite as N	3.875		0.11	mg/L		15-JUN-15	
Nitrate (as N)	3.73		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	0.145		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.28		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	2.38	DLA	0.060	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<0.20	DLM	0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H2S)	<0.20		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	526	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366
Magnesium (Mg)-Total	128	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366
L1623829-14 BH/MW-28 Sampled By: H. PADHAM on 09-JUN-15 @ 13:15							

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-14 BH/MW-28 Sampled By: H. PADHAM on 09-JUN-15 @ 13:15 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO <sub>3</sub> )	1390		24			09-JUN-15	
Total Dissolved Solids	685		20	mg/L		12-JUN-15	R3206634
Turbidity	10.9		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO <sub>3</sub> )	391		10	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	2.14		0.050	mg/L		10-JUN-15	R3205462
Nitrate and Nitrite as N	<0.11		0.11	mg/L		15-JUN-15	
Nitrate (as N)	<0.10		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.050		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	2.90	DLA	0.30	mg/L	14-JUN-15	15-JUN-15	R3207652
Phosphorus, Total	0.179		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	0.11		0.10	mg/L		10-JUN-15	R3204508
Sulphide (as H <sub>2</sub> S)	0.12		0.10	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	484	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366
Magnesium (Mg)-Total	42.8	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366
L1623829-15 BH/MW-30 Sampled By: H. PADHAM on 09-JUN-15 @ 13:15 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO <sub>3</sub> )	6590		240			09-JUN-15	
Total Dissolved Solids	1020		20	mg/L		12-JUN-15	R3206634
Turbidity	9.63		0.10	NTU	10-JUN-15	10-JUN-15	R3204866
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO <sub>3</sub> )	344		10	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	0.131		0.050	mg/L		10-JUN-15	R3205462
Nitrate and Nitrite as N	3.42		0.11	mg/L		15-JUN-15	
Nitrate (as N)	3.42		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.050		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.38		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	0.721		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<0.20	DLM	0.20	mg/L		10-JUN-15	R3204508
Sulphide (as H <sub>2</sub> S)	<0.20		0.20	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	1840	DLM	50	mg/L	10-JUN-15	10-JUN-15	R3205366
Magnesium (Mg)-Total	488	DLM	50	mg/L	10-JUN-15	10-JUN-15	R3205366
L1623829-16 BH/MW-31 Sampled By: H. PADHAM on 09-JUN-15 @ 13:30 Matrix: WATER							
<b>Physical Tests</b>							
Hardness (as CaCO <sub>3</sub> )	1310		24			09-JUN-15	
Total Dissolved Solids	1080		20	mg/L		12-JUN-15	R3206634
Turbidity	6.81		0.10	NTU	10-JUN-15	10-JUN-15	R3204866

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## ALS ENVIRONMENTAL ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L1623829-16 BH/MW-31 Sampled By: H. PADHAM on 09-JUN-15 @ 13:30 Matrix: WATER							
<b>Physical Tests</b>							
<b>Anions and Nutrients</b>							
Alkalinity, Total (as CaCO <sub>3</sub> )	407		10	mg/L		11-JUN-15	R3206155
Ammonia, Total (as N)	0.339		0.050	mg/L		10-JUN-15	R3205462
Nitrate and Nitrite as N	<0.11		0.11	mg/L		15-JUN-15	
Nitrate (as N)	<0.10		0.10	mg/L		12-JUN-15	R3207615
Nitrite (as N)	<0.050		0.050	mg/L		12-JUN-15	R3207615
Total Kjeldahl Nitrogen	0.63		0.15	mg/L	11-JUN-15	12-JUN-15	R3206610
Phosphorus, Total	1.07		0.030	mg/L	11-JUN-15	12-JUN-15	R3206631
Sulphide (as S)	<0.10	DLM	0.10	mg/L		10-JUN-15	R3204508
Sulphide (as H <sub>2</sub> S)	<0.10		0.10	mg/L		10-JUN-15	
<b>Total Metals</b>							
Calcium (Ca)-Total	374	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366
Magnesium (Mg)-Total	90.9	DLM	5.0	mg/L	10-JUN-15	10-JUN-15	R3205366

\* Refer to Referenced Information for Qualifiers (if any) and Methodology.

## Reference Information

### QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Calcium (Ca)-Total	MS-B	L1623829-1, -10, -11, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Magnesium (Mg)-Total	MS-B	L1623829-1, -10, -11, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Calcium (Ca)-Total	MS-B	L1623829-12, -13, -14, -15, -16
Matrix Spike	Magnesium (Mg)-Total	MS-B	L1623829-12, -13, -14, -15, -16
Matrix Spike	Nitrate (as N)	MS-B	L1623829-1, -10, -11, -12, -13, -14, -15, -16, -2, -3, -4, -5, -6, -7, -8, -9

### Sample Parameter Qualifier key listed:

Qualifier	Description
DLA	Detection Limit adjusted for required dilution
DLM	Detection Limit Adjusted due to sample matrix effects.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

### Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-WT	Water	Alkalinity, Total (as CaCO <sub>3</sub> )	EPA 310.2
ETL-N2N3-WT	Water	Calculate from NO <sub>2</sub> + NO <sub>3</sub>	APHA 4110 B
HARDNESS-CALC-WT	Water	Hardness	APHA 2340 B
Hardness (also known as Total Hardness) is calculated from the sum of Calcium and Magnesium concentrations, expressed in CaCO <sub>3</sub> equivalents. Dissolved Calcium and Magnesium concentrations are preferentially used for the hardness calculation.			
MET-T-MS-WT	Water	Total Metals in Water by ICPMS	EPA 200.8
This analysis involves preliminary sample treatment by hotblock acid digestion (APHA 3030E). Instrumental analysis is by inductively coupled plasma - mass spectrometry (EPA Method 6020A).			
NH3-WT	Water	Ammonia, Total as N	EPA 350.1
Sample is measured colorimetrically. When sample is turbid a distillation step is required, sample is distilled into a solution of boric acid and measured colorimetrically.			
NO2-IC-WT	Water	Nitrite in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
NO3-IC-WT	Water	Nitrate in Water by IC	EPA 300.1 (mod)
Inorganic anions are analyzed by Ion Chromatography with conductivity and/or UV detection.			
P-T-COL-WT	Water	Total P in Water by Colour	APHA 4500-P PHOSPHORUS
This analysis is carried out using procedures adapted from APHA Method 4500-P "Phosphorus". Total Phosphorus is determined colourimetrically after persulphate digestion of the sample.			
S2-T>H2S-CALC-WT	Water	Total Sulphide Calculated as H <sub>2</sub> S	Calculation
This calculation converts Total Sulphide as (S <sub>2</sub> -) and reports it as Total Sulphide as (H <sub>2</sub> S). Total Sulphide as (S <sub>2</sub> -) is determined using procedures adapted from APHA 4500-S <sub>2</sub> "Sulphide".			
SOLIDS-TDS-WT	Water	Total Dissolved Solids	APHA 2540C
A well-mixed sample is filtered through glass fibres filter. A known volume of the filtrate is evaporated and dried at 105–5°C overnight and then 180–10°C for 1hr.			
SULPHIDE-WT	Water	Sulphide (as S)	APHA 4500S2D
This analysis is carried out using procedures adapted from APHA Method 4500-S <sub>2</sub> -D "Methylene Blue Method". Sulphide is determined colourimetrically.			
TKN-WT	Water	Total Kjeldahl Nitrogen	APHA 4500-N
Sample is digested to convert the TKN to ammonium sulphate. The ammonia ions are heated to produce a colour complex. The absorbance measured by the instrument is proportional to the concentration of ammonium sulphate in the sample and is reported as TKN.			
TURBIDITY-WT	Water	Turbidity	APHA 2130 B
Sample result is based on a comparison of the intensity of the light scattered by the sample under defined conditions with the intensity of light scattered by a standard reference suspension under the same conditions. Sample readings are obtained from a Nephelometer.			

\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

*The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:*

Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA

## Reference Information

### Chain of Custody Numbers:

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14-462306

14-462307

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid weight of sample*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*





## Quality Control Report

Workorder: L1623829

Report Date: 15-JUN-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>ALK-WT</b>		<b>Water</b>						
<b>Batch R3205264</b>								
<b>WG2104855-3</b>	<b>CRM</b>	<b>WT-ALK-CRM</b>						
Alkalinity, Total (as CaCO3)			100.0		%		80-120	10-JUN-15
<b>WG2104855-2</b>	<b>LCS</b>							
Alkalinity, Total (as CaCO3)			98.4		%		85-115	10-JUN-15
<b>WG2104855-1</b>	<b>MB</b>							
Alkalinity, Total (as CaCO3)			<10		mg/L		10	10-JUN-15
<b>Batch R3206155</b>								
<b>WG2105831-3</b>	<b>CRM</b>	<b>WT-ALK-CRM</b>						
Alkalinity, Total (as CaCO3)			103.2		%		80-120	11-JUN-15
<b>WG2105831-2</b>	<b>LCS</b>							
Alkalinity, Total (as CaCO3)			103.5		%		85-115	11-JUN-15
<b>WG2105831-1</b>	<b>MB</b>							
Alkalinity, Total (as CaCO3)			<10		mg/L		10	11-JUN-15
<b>MET-T-MS-WT</b>		<b>Water</b>						
<b>Batch R3204739</b>								
<b>WG2104916-1</b>	<b>CVS</b>							
Calcium (Ca)-Total			99.7		%		80-120	10-JUN-15
Magnesium (Mg)-Total			98.9		%		80-120	10-JUN-15
<b>WG2104916-2</b>	<b>CVS</b>							
Calcium (Ca)-Total			98.9		%		80-120	11-JUN-15
Magnesium (Mg)-Total			101.2		%		80-120	11-JUN-15
<b>WG2104811-2</b>	<b>LCS</b>							
Calcium (Ca)-Total			92.3		%		80-120	10-JUN-15
Magnesium (Mg)-Total			96.3		%		80-120	10-JUN-15
<b>WG2104811-1</b>	<b>MB</b>							
Calcium (Ca)-Total			<0.50		mg/L		0.5	10-JUN-15
Magnesium (Mg)-Total			<0.50		mg/L		0.5	10-JUN-15
<b>Batch R3205366</b>								
<b>WG2105240-1</b>	<b>CVS</b>							
Calcium (Ca)-Total			101.7		%		80-120	10-JUN-15
Magnesium (Mg)-Total			100.1		%		80-120	10-JUN-15
<b>WG2104812-2</b>	<b>LCS</b>							
Calcium (Ca)-Total			95.8		%		80-120	10-JUN-15
Magnesium (Mg)-Total			94.5		%		80-120	10-JUN-15
<b>WG2104812-1</b>	<b>MB</b>							
Calcium (Ca)-Total			<0.50		mg/L		0.5	10-JUN-15
Magnesium (Mg)-Total			<0.50		mg/L		0.5	10-JUN-15



## Quality Control Report

Workorder: L1623829

Report Date: 15-JUN-15

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Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>NH3-WT</b>								
<b>Water</b>								
Batch R3205459								
WG2105224-2 LCS								
Ammonia, Total (as N)			94.9		%		85-115	10-JUN-15
WG2105224-1 MB								
Ammonia, Total (as N)			<0.050		mg/L		0.05	10-JUN-15
Batch R3205462								
WG2105326-2 LCS								
Ammonia, Total (as N)			98.6		%		85-115	10-JUN-15
WG2105326-1 MB								
Ammonia, Total (as N)			<0.050		mg/L		0.05	10-JUN-15
<b>NO2-IC-WT</b>								
<b>Water</b>								
Batch R3207615								
WG2106677-2 LCS								
Nitrite (as N)			105.2		%		70-130	12-JUN-15
WG2106677-1 MB								
Nitrite (as N)			<0.010		mg/L		0.01	12-JUN-15
<b>NO3-IC-WT</b>								
<b>Water</b>								
Batch R3207615								
WG2106677-2 LCS								
Nitrate (as N)			99.2		%		70-130	12-JUN-15
WG2106677-1 MB								
Nitrate (as N)			<0.020		mg/L		0.02	12-JUN-15
<b>P-T-COL-WT</b>								
<b>Water</b>								
Batch R3206631								
WG2106810-3 DUP								
Phosphorus, Total		L1623829-11 0.467	0.476		mg/L	1.9	20	12-JUN-15
WG2106809-2 LCS								
Phosphorus, Total			100.9		%		80-120	12-JUN-15
WG2106810-2 LCS								
Phosphorus, Total			94.8		%		80-120	12-JUN-15
WG2106809-1 MB								
Phosphorus, Total			<0.030		mg/L		0.03	12-JUN-15
WG2106810-1 MB								
Phosphorus, Total			<0.030		mg/L		0.03	12-JUN-15
<b>SOLIDS-TDS-WT</b>								
<b>Water</b>								

## Quality Control Report

Workorder: L1623829

Report Date: 15-JUN-15

Page 3 of 5

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>SOLIDS-TDS-WT</b>								
<b>Water</b>								
<b>Batch</b>	<b>R3205390</b>							
<b>WG2105148-2</b>	<b>LCS</b>							
Total Dissolved Solids			92.1		%		85-115	11-JUN-15
<b>WG2105148-1</b>	<b>MB</b>							
Total Dissolved Solids			<10		mg/L		10	11-JUN-15
<b>Batch</b>	<b>R3206634</b>							
<b>WG2106138-3</b>	<b>DUP</b>	<b>L1623829-12</b>						
Total Dissolved Solids		460	496		mg/L	7.6	20	12-JUN-15
<b>WG2106138-2</b>	<b>LCS</b>							
Total Dissolved Solids			93.8		%		85-115	12-JUN-15
<b>WG2106138-1</b>	<b>MB</b>							
Total Dissolved Solids			<10		mg/L		10	12-JUN-15
<b>SULPHIDE-WT</b>								
<b>Water</b>								
<b>Batch</b>	<b>R3204508</b>							
<b>WG2104837-2</b>	<b>CVS</b>							
Sulphide (as S)			92.6		%		75-125	10-JUN-15
<b>WG2104837-1</b>	<b>MB</b>							
Sulphide (as S)			<0.020		mg/L		0.02	10-JUN-15
<b>TKN-WT</b>								
<b>Water</b>								
<b>Batch</b>	<b>R3206610</b>							
<b>WG2106810-3</b>	<b>DUP</b>	<b>L1623829-11</b>						
Total Kjeldahl Nitrogen		0.68	0.68		mg/L	0.5	20	12-JUN-15
<b>WG2106809-2</b>	<b>LCS</b>							
Total Kjeldahl Nitrogen			96.1		%		75-125	12-JUN-15
<b>WG2106810-2</b>	<b>LCS</b>							
Total Kjeldahl Nitrogen			107.3		%		75-125	12-JUN-15
<b>WG2106809-1</b>	<b>MB</b>							
Total Kjeldahl Nitrogen			<0.15		mg/L		0.15	12-JUN-15
<b>WG2106810-1</b>	<b>MB</b>							
Total Kjeldahl Nitrogen			<0.15		mg/L		0.15	12-JUN-15
<b>Batch</b>	<b>R3207652</b>							
<b>WG2108171-2</b>	<b>LCS</b>							
Total Kjeldahl Nitrogen			105.6		%		75-125	15-JUN-15
<b>WG2108171-1</b>	<b>MB</b>							
Total Kjeldahl Nitrogen			<0.15		mg/L		0.15	15-JUN-15
<b>TURBIDITY-WT</b>								
<b>Water</b>								



## Quality Control Report

Workorder: L1623829

Report Date: 15-JUN-15

Page 4 of 5

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>TURBIDITY-WT</b>								
	<b>Water</b>							
<b>Batch</b>	<b>R3204865</b>							
<b>WG2105046-3</b>	<b>DUP</b>	<b>L1623829-1</b>						
Turbidity		5.64	5.77		NTU	2.3	15	10-JUN-15
<b>WG2105046-2</b>	<b>LCS</b>							
Turbidity			97.0		%		85-115	10-JUN-15
<b>WG2105046-1</b>	<b>MB</b>							
Turbidity			<0.10		NTU		0.1	10-JUN-15
<b>Batch</b>	<b>R3204866</b>							
<b>WG2105052-3</b>	<b>DUP</b>	<b>L1623829-8</b>						
Turbidity		123	123		NTU	0.0	15	10-JUN-15
<b>WG2105052-2</b>	<b>LCS</b>							
Turbidity			97.0		%		85-115	10-JUN-15
<b>WG2105052-1</b>	<b>MB</b>							
Turbidity			<0.10		NTU		0.1	10-JUN-15

# Quality Control Report

Workorder: L1623829

Report Date: 15-JUN-15

Page 5 of 5

## Legend:

---

Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

---

Qualifier	Description
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

---

## Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

---

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



<b>Report To</b> Company: <u>AMEC FOSTER WHEELER</u> Contact: <u>MAURO CORTES</u> Address: <u>900 MAPLE GROVE RD, CAMBRIDGE ON</u> Phone: <u>519-650-7100</u>		<b>Report Format</b> Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL) Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: <u>MAURO.CORTES@AMECFW.COM</u> Email 2: <u>HERMAN.PADHAM@AMECFW.COM</u>		<b>Select Service Level Below</b> (Rush Turnaround Time (TAT) is not available for all tests) R <input checked="" type="checkbox"/> Regular (Standard TAT if received by 3pm) P <input type="checkbox"/> Priority (2-4 business days if received by 3pm) E <input type="checkbox"/> Emergency (1-2 business days if received by 3pm) E2 <input type="checkbox"/> Same day or weekend emergency if received by 10am - contact ALS for surcharge.	
<b>Invoice To</b> Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Invoice Distribution</b> Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: Email 2:		<b>Analysis Request</b> Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below	
<b>Project Information</b> ALS Quote #: <u>49243</u> Job #: <u>SWC157090</u> PO / AFE: LSD: <u>JUN-09C</u>		<b>Oil and Gas Required Fields (client use)</b> Approver ID: GL Account: Activity Code: Location:		<i>General Chemistry</i>	
ALS Lab Work Order # (lab use only) <u>L1623829</u>		ALS Contact: <u>MLP</u> Sampler: <u>HP/JSB</u>			
<b>Sample Identification and/or Coordinates</b> (This description will appear on the report)		<b>Date</b> (dd-mmm-yy)			
<b>ALS Sample #</b> (lab use only)		<b>Time</b> (hh:mm)			
				<b>Sample Type</b>	
1	BH/MW-02	09-JUN-15	1145	Water	<input checked="" type="checkbox"/>
2	BH/MW-07	↓	1130		<input checked="" type="checkbox"/>
3	BH/MW-07A		1130		<input checked="" type="checkbox"/>
4	BH/MW-11		1200		<input checked="" type="checkbox"/>
5	BH/MW-12		1200		<input checked="" type="checkbox"/>
6	BH/MW-14		1215		<input checked="" type="checkbox"/>
7	BH/MW-16		1215		<input checked="" type="checkbox"/>
8	BH/MW-17		1230		<input checked="" type="checkbox"/>
9	BH/MW-19		1230		<input checked="" type="checkbox"/>
10	BH/MW-22		1245		<input checked="" type="checkbox"/>
11	BH/MW-25		1245		<input checked="" type="checkbox"/>
12	BH/MW-26		1300		<input checked="" type="checkbox"/>
<b>Drinking Water (DW) Samples<sup>1</sup> (client use)</b> Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			<b>Special Instructions / Specify Criteria to add on report (client Use)</b> <u>-Table 1 &amp; 2</u> <u>-Gen Chem analysis as per email with MLP</u>		<b>SAMPLE CONDITION AS RECEIVED (lab use only)</b> Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/> Ice packs Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/> Cooling initiated <input checked="" type="checkbox"/> INITIAL COOLER TEMPERATURES °C: <u>7.5</u> FINAL COOLER TEMPERATURES °C: <u>4.7</u>
<b>SHIPMENT RELEASE (client use)</b> Released by: <u>[Signature]</u> Date: <u>9/15</u> Time: <u>1435</u>		<b>INITIAL SHIPMENT RECEPTION (lab use only)</b> Received by: _____ Date: _____ Time: _____		<b>FINAL SHIPMENT RECEPTION (lab use only)</b> Received by: <u>[Signature]</u> Date: <u>9/15</u> Time: <u>1435</u>	



L1623829-COFC

<b>Report To</b> Company: <u>AMEC FOSTER WHEELER</u> Contact: <u>MAURO CORTES</u> Address: <u>900 MAPLE GROVE RD, CAMBRIDGE ON</u> Phone: <u>519-650-7100</u>			<b>Report Format / Distribution</b> Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL) Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: <u>MAURO.CORTES@AMECFW.COM</u> Email 2: <u>HERMAN.PADHAM@AMECFW.COM</u>			Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests) R <input checked="" type="checkbox"/> Regular (Standard TAT if received by 3pm) P <input type="checkbox"/> Priority (2-4 business days if received by 3pm) E <input type="checkbox"/> Emergency (1-2 business days if received by 3pm) E2 <input type="checkbox"/> Same day or weekend emergency if received by 10am - contact ALS for surcharge.																																																																																																																																	
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AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 24-APR-15  
Report Date: 01-MAY-15 13:39 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1603389  
**Project P.O. #:** NOT SUBMITTED  
**Job Reference:** SWC157090  
**C of C Numbers:**  
**Legal Site Desc:**

Mary-Lynn Pires  
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-1	BH05-SS2/SS3									
Sampled By: H. PADHAM on 20-APR-15 @ 10:00										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.203		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
% Moisture		28.4		0.10	%	26-APR-15				
pH		7.25		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
SAR		0.56		0.10	SAR	27-APR-15	1	2.4	5	12
Calcium (Ca)		15.8		1.0	mg/L	27-APR-15				
Magnesium (Mg)		2.5		1.0	mg/L	27-APR-15				
Sodium (Na)		9.0		1.0	mg/L	27-APR-15				
<b>Metals</b>										
Antimony (Sb)		4.4		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40
Arsenic (As)		16.2		1.0	ug/g	27-APR-15	*11	18	18	18
Barium (Ba)		223		1.0	ug/g	27-APR-15	*210	*220	390	670
Beryllium (Be)		0.84		0.50	ug/g	27-APR-15	2.5	2.5	4	8
Boron (B)		12.8		5.0	ug/g	27-APR-15	36	36	120	120
Boron (B), Hot Water Ext.		1.80		0.10	ug/g	27-APR-15	36	36	*1.5	2
Cadmium (Cd)		0.55		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9
Chromium (Cr)		25.2		1.0	ug/g	27-APR-15	67	70	160	160
Cobalt (Co)		30.1		1.0	ug/g	27-APR-15	*19	*21	*22	80
Copper (Cu)		63.7		1.0	ug/g	27-APR-15	*62	92	140	230
Lead (Pb)		165		1.0	ug/g	27-APR-15	*45	*120	*120	*120
Mercury (Hg)		0.0915		0.0050	ug/g	27-APR-15	0.16	0.27	0.27	3.9
Molybdenum (Mo)		4.4		1.0	ug/g	27-APR-15	*2	*2	6.9	40
Nickel (Ni)		57.1		1.0	ug/g	27-APR-15	*37	82	100	270
Selenium (Se)		2.8		1.0	ug/g	27-APR-15	*1.2	*1.5	*2.4	5.5
Silver (Ag)		0.23		0.20	ug/g	27-APR-15	0.5	0.5	20	40
Thallium (Tl)		<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
Uranium (U)		<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
Vanadium (V)		60.7		1.0	ug/g	27-APR-15	86	86	86	86
Zinc (Zn)		983		5.0	ug/g	27-APR-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
Chromium, Hexavalent		<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
F1 (C6-C10)		<5.0		5.0	ug/g	28-APR-15	17	25	55	55
F2 (C10-C16)		<10		10	ug/g	29-APR-15	10	10	98	230
F2-Naphth		<10		10	ug/g	29-APR-15				
F3 (C16-C34)		<50		50	ug/g	29-APR-15	240	240	300	1700
F3-PAH		<50		50	ug/g	29-APR-15				
F4 (C34-C50)		<50		50	ug/g	29-APR-15	120	120	2800	3300
Total Hydrocarbons (C6-C50)		<72		72	ug/g	29-APR-15				
Chrom. to baseline at nC50		YES			No Unit	29-APR-15				
Surrogate: 2-Bromobenzotrifluoride		82.9		60-140	%	29-APR-15				
Surrogate: 3,4-Dichlorotoluene		115.2		60-140	%	28-APR-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-1	BH05-SS2/SS3									
Sampled By: H. PADHAM on 20-APR-15 @ 10:00										
Matrix: SOIL										
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.050		0.050	ug/g	29-APR-15	0.05	0.072	7.9	21
	Acenaphthylene	<0.050		0.050	ug/g	29-APR-15	0.093	0.093	0.15	0.15
	Anthracene	<0.050		0.050	ug/g	29-APR-15	0.05	0.16	0.67	0.67
	Benzo(a)anthracene	<0.050		0.050	ug/g	29-APR-15	0.095	0.36	0.5	0.96
	Benzo(a)pyrene	<0.050		0.050	ug/g	29-APR-15	0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.3	0.47	0.78	0.96
	Benzo(g,h,i)perylene	<0.050		0.050	ug/g	29-APR-15	0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.05	0.48	0.78	0.96
	Chrysene	<0.050		0.050	ug/g	29-APR-15	0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	29-APR-15	0.1	0.1	0.1	0.1
	Fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.24	0.56	0.69	9.6
	Fluorene	<0.050		0.050	ug/g	29-APR-15	0.05	0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	29-APR-15	0.11	0.23	0.38	0.76
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	29-APR-15	0.05	0.59	0.99	30
	1-Methylnaphthalene	<0.030		0.030	ug/g	29-APR-15	0.05	0.59	0.99	30
	2-Methylnaphthalene	<0.030		0.030	ug/g	29-APR-15	0.05	0.59	0.99	30
	Naphthalene	<0.050		0.050	ug/g	29-APR-15	0.05	0.09	0.6	9.6
	Phenanthrene	<0.050		0.050	ug/g	29-APR-15	0.19	0.69	6.2	12
	Pyrene	<0.050		0.050	ug/g	29-APR-15	0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	82.5		50-140	%	29-APR-15				
	Surrogate: p-Terphenyl d14	91.4		50-140	%	29-APR-15				
<b>Polychlorinated Biphenyls</b>										
	Aroclor 1242	<0.010		0.010	ug/g	29-APR-15				
	Aroclor 1248	<0.010		0.010	ug/g	29-APR-15				
	Aroclor 1254	<0.010		0.010	ug/g	29-APR-15				
	Aroclor 1260	<0.010		0.010	ug/g	29-APR-15				
	Total PCBs	<0.020		0.020	ug/g	29-APR-15	0.3	0.3	0.35	1.1
	Surrogate: d14-Terphenyl	101.3		60-140	%	29-APR-15				
L1603389-2	BH06-SS2									
Sampled By: H. PADHAM on 20-APR-15 @ 16:10										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	0.263		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
	% Moisture	25.3		0.10	%	26-APR-15				
	pH	7.52		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	0.48		0.10	SAR	27-APR-15	1	2.4	5	12
	Calcium (Ca)	23.4		1.0	mg/L	27-APR-15				
	Magnesium (Mg)	2.6		1.0	mg/L	27-APR-15				
	Sodium (Na)	9.1		1.0	mg/L	27-APR-15				
<b>Metals</b>										
	Antimony (Sb)	2.2		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-2	BH06-SS2									
Sampled By: H. PADHAM on 20-APR-15 @ 16:1										
Matrix: SOIL										
<b>Metals</b>										
	Arsenic (As)	14.0		1.0	ug/g	27-APR-15	*11	18	18	18
	Barium (Ba)	355		1.0	ug/g	27-APR-15	*210	*220	390	670
	Beryllium (Be)	2.28		0.50	ug/g	27-APR-15	2.5	2.5	4	8
	Boron (B)	13.1		5.0	ug/g	27-APR-15	36	36	120	120
	Boron (B), Hot Water Ext.	0.53		0.10	ug/g	27-APR-15	36	36	1.5	2
	Cadmium (Cd)	1.10		0.50	ug/g	27-APR-15	*1	1.2	1.2	1.9
	Chromium (Cr)	30.1		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	12.7		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	111		1.0	ug/g	27-APR-15	*62	*92	140	230
	Lead (Pb)	271		1.0	ug/g	27-APR-15	*45	*120	*120	*120
	Mercury (Hg)	0.335		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9
	Molybdenum (Mo)	4.5		1.0	ug/g	27-APR-15	*2	*2	6.9	40
	Nickel (Ni)	31.4		1.0	ug/g	27-APR-15	37	82	100	270
	Selenium (Se)	<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
	Silver (Ag)	0.59		0.20	ug/g	27-APR-15	*0.5	*0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
	Vanadium (V)	33.2		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	651		5.0	ug/g	27-APR-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	0.28		0.20	ug/g	27-APR-15	0.66	0.66	8	8
L1603389-3	BH04-SS2/SS3									
Sampled By: H. PADHAM on 21-APR-15 @ 10:3										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	1.66		0.0040	mS/cm	28-APR-15	*0.47	*0.57	*0.7	*1.4
	% Moisture	5.24		0.10	%	26-APR-15				
	pH	7.16		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	0.13		0.10	SAR	27-APR-15	1	2.4	5	12
	Calcium (Ca)	340		1.0	mg/L	27-APR-15				
	Magnesium (Mg)	28.5		1.0	mg/L	27-APR-15				
	Sodium (Na)	9.0		1.0	mg/L	27-APR-15				
<b>Metals</b>										
	Antimony (Sb)	<1.0		1.0	ug/g	27-APR-15	1	1.3	7.5	40
	Arsenic (As)	4.4		1.0	ug/g	27-APR-15	11	18	18	18
	Barium (Ba)	58.1		1.0	ug/g	27-APR-15	210	220	390	670
	Beryllium (Be)	<0.50		0.50	ug/g	27-APR-15	2.5	2.5	4	8
	Boron (B)	<5.0		5.0	ug/g	27-APR-15	36	36	120	120
	Boron (B), Hot Water Ext.	0.50		0.10	ug/g	27-APR-15	36	36	1.5	2
	Cadmium (Cd)	<0.50		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-3	BH04-SS2/SS3									
Sampled By: H. PADHAM on 21-APR-15 @ 10:3										
Matrix: SOIL										
<b>Metals</b>										
	Chromium (Cr)	10.2		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	3.4		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	19.2		1.0	ug/g	27-APR-15	62	92	140	230
	Lead (Pb)	24.0		1.0	ug/g	27-APR-15	45	120	120	120
	Mercury (Hg)	0.0445		0.0050	ug/g	27-APR-15	0.16	0.27	0.27	3.9
	Molybdenum (Mo)	1.6		1.0	ug/g	27-APR-15	2	2	6.9	40
	Nickel (Ni)	12.3		1.0	ug/g	27-APR-15	37	82	100	270
	Selenium (Se)	<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
	Silver (Ag)	<0.20		0.20	ug/g	27-APR-15	0.5	0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
	Vanadium (V)	11.6		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	71.5		5.0	ug/g	27-APR-15	290	290	340	340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<5.0		5.0	ug/g	28-APR-15	17	25	55	55
	F2 (C10-C16)	<10		10	ug/g	30-APR-15	10	10	98	230
	F2-Naphth	<10		10	ug/g	30-APR-15				
	F3 (C16-C34)	<50		50	ug/g	30-APR-15	240	240	300	1700
	F3-PAH	<50		50	ug/g	30-APR-15				
	F4 (C34-C50)	<50		50	ug/g	30-APR-15	120	120	2800	3300
	Total Hydrocarbons (C6-C50)	<72		72	ug/g	30-APR-15				
	Chrom. to baseline at nC50	YES			No Unit	30-APR-15				
	Surrogate: 2-Bromobenzotrifluoride	82.8		60-140	%	30-APR-15				
	Surrogate: 3,4-Dichlorotoluene	108.4		60-140	%	28-APR-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.050		0.050	ug/g	29-APR-15	0.05	0.072	7.9	21
	Acenaphthylene	<0.050		0.050	ug/g	29-APR-15	0.093	0.093	0.15	0.15
	Anthracene	<0.050		0.050	ug/g	29-APR-15	0.05	0.16	0.67	0.67
	Benzo(a)anthracene	<0.050		0.050	ug/g	29-APR-15	0.095	0.36	0.5	0.96
	Benzo(a)pyrene	<0.050		0.050	ug/g	29-APR-15	0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.3	0.47	0.78	0.96
	Benzo(g,h,i)perylene	<0.050		0.050	ug/g	29-APR-15	0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.05	0.48	0.78	0.96
	Chrysene	<0.050		0.050	ug/g	29-APR-15	0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	29-APR-15	0.1	0.1	0.1	0.1
	Fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.24	0.56	0.69	9.6
	Fluorene	<0.050		0.050	ug/g	29-APR-15	0.05	0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	29-APR-15	0.11	0.23	0.38	0.76
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	30-APR-15	0.05	0.59	0.99	30
	1-Methylnaphthalene	<0.030		0.030	ug/g	29-APR-15	0.05	0.59	0.99	30
	2-Methylnaphthalene	<0.030		0.030	ug/g	29-APR-15	0.05	0.59	0.99	30
	Naphthalene	<0.050		0.050	ug/g	29-APR-15	0.05	0.09	0.6	9.6

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#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-3	BH04-SS2/SS3									
Sampled By: H. PADHAM on 21-APR-15 @ 10:3										
Matrix: SOIL										
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Phenanthrene	<0.050		0.050	ug/g	29-APR-15	0.19	0.69	6.2	12
	Pyrene	<0.050		0.050	ug/g	29-APR-15	0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	94.8		50-140	%	29-APR-15				
	Surrogate: p-Terphenyl d14	92.5		50-140	%	29-APR-15				
<b>Polychlorinated Biphenyls</b>										
	Aroclor 1242	<0.010		0.010	ug/g	30-APR-15				
	Aroclor 1248	<0.010		0.010	ug/g	30-APR-15				
	Aroclor 1254	<0.010		0.010	ug/g	30-APR-15				
	Aroclor 1260	<0.010		0.010	ug/g	30-APR-15				
	Total PCBs	<0.020		0.020	ug/g	30-APR-15	0.3	0.3	0.35	1.1
	Surrogate: d14-Terphenyl	91.5		60-140	%	30-APR-15				
L1603389-4	BH03-SS1/SS2									
Sampled By: H. PADHAM on 21-APR-15 @ 14:3										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	0.551		0.0040	mS/cm	28-APR-15	*0.47	0.57	0.7	1.4
	% Moisture	19.9		0.10	%	26-APR-15				
	pH	7.25		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	0.55		0.10	SAR	27-APR-15	1	2.4	5	12
	Calcium (Ca)	61.4		1.0	mg/L	27-APR-15				
	Magnesium (Mg)	10.9		1.0	mg/L	27-APR-15				
	Sodium (Na)	17.7		1.0	mg/L	27-APR-15				
<b>Metals</b>										
	Antimony (Sb)	1.8		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40
	Arsenic (As)	12.5		1.0	ug/g	27-APR-15	*11	18	18	18
	Barium (Ba)	233		1.0	ug/g	27-APR-15	*210	*220	390	670
	Beryllium (Be)	0.65		0.50	ug/g	27-APR-15	2.5	2.5	4	8
	Boron (B)	11.0		5.0	ug/g	27-APR-15	36	36	120	120
	Boron (B), Hot Water Ext.	1.14		0.10	ug/g	27-APR-15	36	36	1.5	2
	Cadmium (Cd)	1.01		0.50	ug/g	27-APR-15	*1	1.2	1.2	1.9
	Chromium (Cr)	30.8		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	7.8		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	329		1.0	ug/g	27-APR-15	*62	*92	*140	*230
	Lead (Pb)	205		1.0	ug/g	27-APR-15	*45	*120	*120	*120
	Mercury (Hg)	0.565		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9
	Molybdenum (Mo)	3.6		1.0	ug/g	27-APR-15	*2	*2	6.9	40
	Nickel (Ni)	23.2		1.0	ug/g	27-APR-15	37	82	100	270
	Selenium (Se)	<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
	Silver (Ag)	0.21		0.20	ug/g	27-APR-15	0.5	0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33

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#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-4	BH03-SS1/SS2									
Sampled By: H. PADHAM on 21-APR-15 @ 14:3										
Matrix: SOIL										
<b>Metals</b>										
	Vanadium (V)	28.0		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	545		5.0	ug/g	27-APR-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
L1603389-5	BH02-SS2/SS3									
Sampled By: H. PADHAM on 22-APR-15 @ 08:2										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	0.306		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
	% Moisture	14.0		0.10	%	26-APR-15				
	pH	7.43		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	0.18		0.10	SAR	27-APR-15	1	2.4	5	12
	Calcium (Ca)	33.6		1.0	mg/L	27-APR-15				
	Magnesium (Mg)	4.8		1.0	mg/L	27-APR-15				
	Sodium (Na)	4.2		1.0	mg/L	27-APR-15				
<b>Metals</b>										
	Antimony (Sb)	8.3		1.0	ug/g	27-APR-15	*1	*1.3	*7.5	40
	Arsenic (As)	14.4		1.0	ug/g	27-APR-15	*11	18	18	18
	Barium (Ba)	343		1.0	ug/g	27-APR-15	*210	*220	390	670
	Beryllium (Be)	0.55		0.50	ug/g	27-APR-15	2.5	2.5	4	8
	Boron (B)	17.2		5.0	ug/g	27-APR-15	36	36	120	120
	Boron (B), Hot Water Ext.	1.86		0.10	ug/g	27-APR-15	36	36	*1.5	2
	Cadmium (Cd)	1.57		0.50	ug/g	27-APR-15	*1	*1.2	*1.2	1.9
	Chromium (Cr)	31.3		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	9.6		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	2610		1.0	ug/g	27-APR-15	*62	*92	*140	*230
	Lead (Pb)	871		1.0	ug/g	27-APR-15	*45	*120	*120	*120
	Mercury (Hg)	0.424		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9
	Molybdenum (Mo)	3.0		1.0	ug/g	27-APR-15	*2	*2	6.9	40
	Nickel (Ni)	572		1.0	ug/g	27-APR-15	*37	*82	*100	*270
	Selenium (Se)	1.4		1.0	ug/g	27-APR-15	*1.2	1.5	2.4	5.5
	Silver (Ag)	0.58		0.20	ug/g	27-APR-15	*0.5	*0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
	Vanadium (V)	31.3		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	437		5.0	ug/g	27-APR-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-6	BH15-SS3									
Sampled By: H. PADHAM on 22-APR-15 @ 11:4										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.293		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
% Moisture		16.8		0.10	%	26-APR-15				
pH		7.17		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
SAR		<0.10		0.10	SAR	27-APR-15	1	2.4	5	12
Calcium (Ca)		37.4		1.0	mg/L	27-APR-15				
Magnesium (Mg)		1.7		1.0	mg/L	27-APR-15				
Sodium (Na)		1.4		1.0	mg/L	27-APR-15				
<b>Metals</b>										
Antimony (Sb)		2.1		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40
Arsenic (As)		6.1		1.0	ug/g	27-APR-15	11	18	18	18
Barium (Ba)		143		1.0	ug/g	27-APR-15	210	220	390	670
Beryllium (Be)		<0.50		0.50	ug/g	27-APR-15	2.5	2.5	4	8
Boron (B)		13.3		5.0	ug/g	27-APR-15	36	36	120	120
Boron (B), Hot Water Ext.		1.00		0.10	ug/g	27-APR-15	36	36	1.5	2
Cadmium (Cd)		3.12		0.50	ug/g	27-APR-15	*1	*1.2	*1.2	*1.9
Chromium (Cr)		17.2		1.0	ug/g	27-APR-15	67	70	160	160
Cobalt (Co)		5.7		1.0	ug/g	27-APR-15	19	21	22	80
Copper (Cu)		94.3		1.0	ug/g	27-APR-15	*62	*92	140	230
Lead (Pb)		194		1.0	ug/g	27-APR-15	*45	*120	*120	*120
Mercury (Hg)		0.447		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9
Molybdenum (Mo)		2.4		1.0	ug/g	27-APR-15	*2	*2	6.9	40
Nickel (Ni)		23.1		1.0	ug/g	27-APR-15	37	82	100	270
Selenium (Se)		<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
Silver (Ag)		0.31		0.20	ug/g	27-APR-15	0.5	0.5	20	40
Thallium (Tl)		<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
Uranium (U)		<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
Vanadium (V)		21.3		1.0	ug/g	27-APR-15	86	86	86	86
Zinc (Zn)		501		5.0	ug/g	27-APR-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
Chromium, Hexavalent		<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
L1603389-7	BH14-SS3									
Sampled By: H. PADHAM on 22-APR-15 @ 15:3										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.482		0.0040	mS/cm	28-APR-15	*0.47	0.57	0.7	1.4
% Moisture		11.1		0.10	%	26-APR-15				
pH		7.58		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										

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#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-7	BH14-SS3									
Sampled By: H. PADHAM on 22-APR-15 @ 15:3										
Matrix: SOIL										
<b>Saturated Paste Extractables</b>										
SAR		<0.10		0.10	SAR	27-APR-15	1	2.4	5	12
Calcium (Ca)		72.1		1.0	mg/L	27-APR-15				
Magnesium (Mg)		4.1		1.0	mg/L	27-APR-15				
Sodium (Na)		2.5		1.0	mg/L	27-APR-15				
<b>Metals</b>										
Antimony (Sb)		3.0		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40
Arsenic (As)		7.8		1.0	ug/g	27-APR-15	11	18	18	18
Barium (Ba)		87.6		1.0	ug/g	27-APR-15	210	220	390	670
Beryllium (Be)		<0.50		0.50	ug/g	27-APR-15	2.5	2.5	4	8
Boron (B)		20.5		5.0	ug/g	27-APR-15	36	36	120	120
Boron (B), Hot Water Ext.		1.70		0.10	ug/g	27-APR-15	36	36	*1.5	2
Cadmium (Cd)		0.57		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9
Chromium (Cr)		16.4		1.0	ug/g	27-APR-15	67	70	160	160
Cobalt (Co)		4.0		1.0	ug/g	27-APR-15	19	21	22	80
Copper (Cu)		52.9		1.0	ug/g	27-APR-15	62	92	140	230
Lead (Pb)		316		1.0	ug/g	27-APR-15	*45	*120	*120	*120
Mercury (Hg)		0.897		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9
Molybdenum (Mo)		1.4		1.0	ug/g	27-APR-15	2	2	6.9	40
Nickel (Ni)		14.3		1.0	ug/g	27-APR-15	37	82	100	270
Selenium (Se)		<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
Silver (Ag)		0.21		0.20	ug/g	27-APR-15	0.5	0.5	20	40
Thallium (Tl)		<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
Uranium (U)		<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
Vanadium (V)		15.7		1.0	ug/g	27-APR-15	86	86	86	86
Zinc (Zn)		163		5.0	ug/g	27-APR-15	290	290	340	340
<b>Speciated Metals</b>										
Chromium, Hexavalent		<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
L1603389-8	BH13-SS3/SS4									
Sampled By: H. PADHAM on 23-APR-15 @ 09:4										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.135		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
% Moisture		6.22		0.10	%	26-APR-15				
pH		7.98		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
SAR		0.43		0.10	SAR	27-APR-15	1	2.4	5	12
Calcium (Ca)		14.7		1.0	mg/L	27-APR-15				
Magnesium (Mg)		1.2		1.0	mg/L	27-APR-15				
Sodium (Na)		6.4		1.0	mg/L	27-APR-15				
<b>Metals</b>										
Antimony (Sb)		2.0		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40

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#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-8 BH13-SS3/SS4										
Sampled By: H. PADHAM on 23-APR-15 @ 09:4										
Matrix: SOIL										
<b>Metals</b>										
	Arsenic (As)	5.7		1.0	ug/g	27-APR-15	11	18	18	18
	Barium (Ba)	29.1		1.0	ug/g	27-APR-15	210	220	390	670
	Beryllium (Be)	<0.50		0.50	ug/g	27-APR-15	2.5	2.5	4	8
	Boron (B)	6.4		5.0	ug/g	27-APR-15	36	36	120	120
	Boron (B), Hot Water Ext.	0.16		0.10	ug/g	27-APR-15	36	36	1.5	2
	Cadmium (Cd)	<0.50		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9
	Chromium (Cr)	9.1		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	4.4		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	21.3		1.0	ug/g	27-APR-15	62	92	140	230
	Lead (Pb)	49.8		1.0	ug/g	27-APR-15	*45	120	120	120
	Mercury (Hg)	0.0288		0.0050	ug/g	27-APR-15	0.16	0.27	0.27	3.9
	Molybdenum (Mo)	<1.0		1.0	ug/g	27-APR-15	2	2	6.9	40
	Nickel (Ni)	8.5		1.0	ug/g	27-APR-15	37	82	100	270
	Selenium (Se)	<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
	Silver (Ag)	<0.20		0.20	ug/g	27-APR-15	0.5	0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
	Vanadium (V)	17.9		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	117		5.0	ug/g	27-APR-15	290	290	340	340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<5.0		5.0	ug/g	29-APR-15	17	25	55	55
	F2 (C10-C16)	<10		10	ug/g	30-APR-15	10	10	98	230
	F2-Naphth	<10		10	ug/g	30-APR-15				
	F3 (C16-C34)	<50		50	ug/g	30-APR-15	240	240	300	1700
	F3-PAH	<50		50	ug/g	30-APR-15				
	F4 (C34-C50)	<50		50	ug/g	30-APR-15	120	120	2800	3300
	Total Hydrocarbons (C6-C50)	<72		72	ug/g	30-APR-15				
	Chrom. to baseline at nC50	YES			No Unit	30-APR-15				
	Surrogate: 2-Bromobenzotrifluoride	81.6		60-140	%	30-APR-15				
	Surrogate: 3,4-Dichlorotoluene	101.5		60-140	%	29-APR-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.050		0.050	ug/g	29-APR-15	0.05	0.072	7.9	21
	Acenaphthylene	<0.050		0.050	ug/g	29-APR-15	0.093	0.093	0.15	0.15
	Anthracene	<0.050		0.050	ug/g	29-APR-15	0.05	0.16	0.67	0.67
	Benzo(a)anthracene	<0.050		0.050	ug/g	29-APR-15	0.095	0.36	0.5	0.96
	Benzo(a)pyrene	<0.050		0.050	ug/g	29-APR-15	0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	0.069		0.050	ug/g	29-APR-15	0.3	0.47	0.78	0.96
	Benzo(g,h,i)perylene	<0.050		0.050	ug/g	29-APR-15	0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.05	0.48	0.78	0.96
	Chrysene	<0.050		0.050	ug/g	29-APR-15	0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	29-APR-15	0.1	0.1	0.1	0.1
	Fluoranthene	<0.050		0.050	ug/g	29-APR-15	0.24	0.56	0.69	9.6

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**#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)**



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-8	BH13-SS3/SS4									
Sampled By: H. PADHAM on 23-APR-15 @ 09:4										
Matrix: SOIL										
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Fluorene	<0.050		0.050	ug/g	29-APR-15	0.05	0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	29-APR-15	0.11	0.23	0.38	0.76
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	30-APR-15	0.05	0.59	0.99	30
	1-Methylnaphthalene	<0.030		0.030	ug/g	29-APR-15	0.05	0.59	0.99	30
	2-Methylnaphthalene	<0.030		0.030	ug/g	29-APR-15	0.05	0.59	0.99	30
	Naphthalene	<0.050		0.050	ug/g	29-APR-15	0.05	0.09	0.6	9.6
	Phenanthrene	<0.050		0.050	ug/g	29-APR-15	0.19	0.69	6.2	12
	Pyrene	<0.050		0.050	ug/g	29-APR-15	0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	94.5		50-140	%	29-APR-15				
	Surrogate: p-Terphenyl d14	94.5		50-140	%	29-APR-15				
<b>Polychlorinated Biphenyls</b>										
	Aroclor 1242	<0.010		0.010	ug/g	30-APR-15				
	Aroclor 1248	<0.010		0.010	ug/g	30-APR-15				
	Aroclor 1254	<0.010		0.010	ug/g	30-APR-15				
	Aroclor 1260	<0.010		0.010	ug/g	30-APR-15				
	Total PCBs	<0.020		0.020	ug/g	30-APR-15	0.3	0.3	0.35	1.1
	Surrogate: d14-Terphenyl	95.3		60-140	%	30-APR-15				
L1603389-9	BH12-SS2/SS3									
Sampled By: H. PADHAM on 23-APR-15 @ 13:4										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	0.408		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
	% Moisture	21.7		0.10	%	26-APR-15				
	pH	7.42		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	0.17		0.10	SAR	27-APR-15	1	2.4	5	12
	Calcium (Ca)	61.0		1.0	mg/L	27-APR-15				
	Magnesium (Mg)	3.0		1.0	mg/L	27-APR-15				
	Sodium (Na)	5.0		1.0	mg/L	27-APR-15				
<b>Metals</b>										
	Antimony (Sb)	4.2		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40
	Arsenic (As)	14.1		1.0	ug/g	27-APR-15	*11	18	18	18
	Barium (Ba)	54.4		1.0	ug/g	27-APR-15	210	220	390	670
	Beryllium (Be)	<0.50		0.50	ug/g	27-APR-15	2.5	2.5	4	8
	Boron (B)	29.0		5.0	ug/g	27-APR-15	36	36	120	120
	Boron (B), Hot Water Ext.	2.91		0.10	ug/g	27-APR-15	36	36	*1.5	*2
	Cadmium (Cd)	0.67		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9
	Chromium (Cr)	47.8		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	8.6		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	225		1.0	ug/g	27-APR-15	*62	*92	*140	230
	Lead (Pb)	102		1.0	ug/g	27-APR-15	*45	120	120	120
	Mercury (Hg)	1.57		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9

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# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-9	BH12-SS2/SS3									
Sampled By: H. PADHAM on 23-APR-15 @ 13:4										
Matrix: SOIL										
<b>Metals</b>										
	Molybdenum (Mo)	4.6		1.0	ug/g	27-APR-15	*2	*2	6.9	40
	Nickel (Ni)	46.6		1.0	ug/g	27-APR-15	*37	82	100	270
	Selenium (Se)	<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
	Silver (Ag)	<0.20		0.20	ug/g	27-APR-15	0.5	0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
	Vanadium (V)	40.9		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	181		5.0	ug/g	27-APR-15	290	290	340	340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<5.0		5.0	ug/g	28-APR-15	17	25	55	55
	F2 (C10-C16)	17		10	ug/g	30-APR-15	*10	*10	98	230
	F2-Naphth	17		10	ug/g	30-APR-15				
	F3 (C16-C34)	906		50	ug/g	30-APR-15	*240	*240	*300	1700
	F3-PAH	900		50	ug/g	30-APR-15				
	F4 (C34-C50)	324		50	ug/g	30-APR-15	*120	*120	2800	3300
	Total Hydrocarbons (C6-C50)	1250		72	ug/g	30-APR-15				
	Chrom. to baseline at nC50	YES			No Unit	30-APR-15				
	Surrogate: 2-Bromobenzotrifluoride	82.9		60-140	%	30-APR-15				
	Surrogate: 3,4-Dichlorotoluene	107.8		60-140	%	28-APR-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.050		0.050	ug/g	29-APR-15	0.05	0.072	7.9	21
	Acenaphthylene	<0.050		0.050	ug/g	29-APR-15	0.093	0.093	0.15	0.15
	Anthracene	0.105		0.050	ug/g	29-APR-15	*0.05	0.16	0.67	0.67
	Benzo(a)anthracene	0.610		0.050	ug/g	29-APR-15	*0.095	*0.36	*0.5	0.96
	Benzo(a)pyrene	0.541		0.050	ug/g	29-APR-15	*0.05	*0.3	*0.3	*0.3
	Benzo(b)fluoranthene	0.780		0.050	ug/g	29-APR-15	*0.3	*0.47	0.78	0.96
	Benzo(g,h,i)perylene	0.295		0.050	ug/g	29-APR-15	*0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	0.213		0.050	ug/g	29-APR-15	*0.05	0.48	0.78	0.96
	Chrysene	0.615		0.050	ug/g	29-APR-15	*0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	0.087		0.050	ug/g	29-APR-15	0.1	0.1	0.1	0.1
	Fluoranthene	1.21		0.050	ug/g	29-APR-15	*0.24	*0.56	*0.69	9.6
	Fluorene	<0.050		0.050	ug/g	29-APR-15	0.05	0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.304		0.050	ug/g	29-APR-15	*0.11	*0.23	0.38	0.76
	1+2-Methylnaphthalenes	0.100		0.042	ug/g	30-APR-15	*0.05	0.59	0.99	30
	1-Methylnaphthalene	0.038		0.030	ug/g	29-APR-15	0.05	0.59	0.99	30
	2-Methylnaphthalene	0.062		0.030	ug/g	29-APR-15	*0.05	0.59	0.99	30
	Naphthalene	0.061		0.050	ug/g	29-APR-15	*0.05	0.09	0.6	9.6
	Phenanthrene	0.599		0.050	ug/g	29-APR-15	*0.19	0.69	6.2	12
	Pyrene	0.929		0.050	ug/g	29-APR-15	*0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	91.4		50-140	%	29-APR-15				
	Surrogate: p-Terphenyl d14	94.2		50-140	%	29-APR-15				
<b>Polychlorinated Biphenyls</b>										

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-9 BH12-SS2/SS3										
Sampled By: H. PADHAM on 23-APR-15 @ 13:4										
Matrix: SOIL										
<b>Polychlorinated Biphenyls</b>										
Aroclor 1242		<0.015	DLM	0.010	ug/g	30-APR-15				
Aroclor 1248		<0.010		0.010	ug/g	30-APR-15				
Aroclor 1254		<0.010		0.010	ug/g	30-APR-15				
Aroclor 1260		<0.020	DLM	0.010	ug/g	30-APR-15				
Total PCBs		<0.030	DLM	0.020	ug/g	30-APR-15	0.3	0.3	0.35	1.1
Surrogate: d14-Terphenyl		92.3		60-140	%	30-APR-15				
L1603389-10 BH12-SS7										
Sampled By: H. PADHAM on 23-APR-15 @ 14:3										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.317		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
% Moisture		8.89		0.10	%	26-APR-15				
pH		8.05		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
SAR		0.52		0.10	SAR	27-APR-15	1	2.4	5	12
Calcium (Ca)		24.0		1.0	mg/L	27-APR-15				
Magnesium (Mg)		7.4		1.0	mg/L	27-APR-15				
Sodium (Na)		11.4		1.0	mg/L	27-APR-15				
<b>Metals</b>										
Antimony (Sb)		<1.0		1.0	ug/g	27-APR-15	1	1.3	7.5	40
Arsenic (As)		4.0		1.0	ug/g	27-APR-15	11	18	18	18
Barium (Ba)		37.0		1.0	ug/g	27-APR-15	210	220	390	670
Beryllium (Be)		<0.50		0.50	ug/g	27-APR-15	2.5	2.5	4	8
Boron (B)		17.6		5.0	ug/g	27-APR-15	36	36	120	120
Boron (B), Hot Water Ext.		0.41		0.10	ug/g	27-APR-15	36	36	1.5	2
Cadmium (Cd)		0.77		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9
Chromium (Cr)		10.6		1.0	ug/g	27-APR-15	67	70	160	160
Cobalt (Co)		5.4		1.0	ug/g	27-APR-15	19	21	22	80
Copper (Cu)		24.4		1.0	ug/g	27-APR-15	62	92	140	230
Lead (Pb)		173		1.0	ug/g	27-APR-15	*45	*120	*120	*120
Mercury (Hg)		0.0757		0.0050	ug/g	27-APR-15	0.16	0.27	0.27	3.9
Molybdenum (Mo)		<1.0		1.0	ug/g	27-APR-15	2	2	6.9	40
Nickel (Ni)		12.0		1.0	ug/g	27-APR-15	37	82	100	270
Selenium (Se)		<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
Silver (Ag)		<0.20		0.20	ug/g	27-APR-15	0.5	0.5	20	40
Thallium (Tl)		<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
Uranium (U)		<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
Vanadium (V)		17.7		1.0	ug/g	27-APR-15	86	86	86	86
Zinc (Zn)		467		5.0	ug/g	27-APR-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
Chromium, Hexavalent		<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8

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#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-11	BH11-SS3									
Sampled By: H. PADHAM on 24-APR-15 @ 08:4										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.276		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
% Moisture		35.5		0.10	%	26-APR-15				
pH		7.40		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
SAR		0.40		0.10	SAR	27-APR-15	1	2.4	5	12
Calcium (Ca)		15.4		1.0	mg/L	27-APR-15				
Magnesium (Mg)		2.4		1.0	mg/L	27-APR-15				
Sodium (Na)		6.4		1.0	mg/L	27-APR-15				
<b>Metals</b>										
Antimony (Sb)		<1.0		1.0	ug/g	27-APR-15	1	1.3	7.5	40
Arsenic (As)		6.1		1.0	ug/g	27-APR-15	11	18	18	18
Barium (Ba)		123		1.0	ug/g	27-APR-15	210	220	390	670
Beryllium (Be)		0.92		0.50	ug/g	27-APR-15	2.5	2.5	4	8
Boron (B)		604		5.0	ug/g	27-APR-15	*36	*36	*120	*120
Boron (B), Hot Water Ext.		1.44		0.10	ug/g	27-APR-15	36	36	1.5	2
Cadmium (Cd)		0.81		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9
Chromium (Cr)		44.8		1.0	ug/g	27-APR-15	67	70	160	160
Cobalt (Co)		7.0		1.0	ug/g	27-APR-15	19	21	22	80
Copper (Cu)		62.6		1.0	ug/g	27-APR-15	*62	92	140	230
Lead (Pb)		31.3		1.0	ug/g	27-APR-15	45	120	120	120
Mercury (Hg)		0.284		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9
Molybdenum (Mo)		1.8		1.0	ug/g	27-APR-15	2	2	6.9	40
Nickel (Ni)		17.8		1.0	ug/g	27-APR-15	37	82	100	270
Selenium (Se)		<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
Silver (Ag)		0.20		0.20	ug/g	27-APR-15	0.5	0.5	20	40
Thallium (Tl)		<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
Uranium (U)		<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
Vanadium (V)		38.0		1.0	ug/g	27-APR-15	86	86	86	86
Zinc (Zn)		163		5.0	ug/g	27-APR-15	290	290	340	340
<b>Speciated Metals</b>										
Chromium, Hexavalent		<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
L1603389-12	BH10-SS3/SS4									
Sampled By: H. PADHAM on 24-APR-15 @ 11:3										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.424		0.0040	mS/cm	28-APR-15	0.47	0.57	0.7	1.4
% Moisture		51.0		0.10	%	26-APR-15				
pH		6.96		0.10	pH units	27-APR-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										

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#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-12 BH10-SS3/SS4										
Sampled By: H. PADHAM on 24-APR-15 @ 11:3										
Matrix: SOIL										
<b>Saturated Paste Extractables</b>										
	SAR	0.91		0.10	SAR	27-APR-15	1	2.4	5	12
	Calcium (Ca)	36.2		1.0	mg/L	27-APR-15				
	Magnesium (Mg)	4.2		1.0	mg/L	27-APR-15				
	Sodium (Na)	21.6		1.0	mg/L	27-APR-15				
<b>Metals</b>										
	Antimony (Sb)	4.3		1.0	ug/g	27-APR-15	*1	*1.3	7.5	40
	Arsenic (As)	17.3		1.0	ug/g	27-APR-15	*11	18	18	18
	Barium (Ba)	288		1.0	ug/g	27-APR-15	*210	*220	390	670
	Beryllium (Be)	2.00		0.50	ug/g	27-APR-15	2.5	2.5	4	8
	Boron (B)	28.6		5.0	ug/g	27-APR-15	36	36	120	120
	Boron (B), Hot Water Ext.	5.73		0.10	ug/g	27-APR-15	36	36	*1.5	*2
	Cadmium (Cd)	2.10		0.50	ug/g	27-APR-15	*1	*1.2	*1.2	*1.9
	Chromium (Cr)	29.7		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	13.2		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	102		1.0	ug/g	27-APR-15	*62	*92	140	230
	Lead (Pb)	151		1.0	ug/g	27-APR-15	*45	*120	*120	*120
	Mercury (Hg)	0.327		0.0050	ug/g	27-APR-15	*0.16	*0.27	*0.27	3.9
	Molybdenum (Mo)	4.8		1.0	ug/g	27-APR-15	*2	*2	6.9	40
	Nickel (Ni)	39.3		1.0	ug/g	27-APR-15	*37	82	100	270
	Selenium (Se)	1.4		1.0	ug/g	27-APR-15	*1.2	1.5	2.4	5.5
	Silver (Ag)	0.32		0.20	ug/g	27-APR-15	0.5	0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
	Vanadium (V)	35.4		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	636		5.0	ug/g	27-APR-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<7.5	DLHM	7.5	ug/g	28-APR-15	17	25	55	55
	F2 (C10-C16)	31	DLHM	15	ug/g	30-APR-15	*10	*10	98	230
	F2-Naphth	31		15	ug/g	30-APR-15				
	F3 (C16-C34)	1800	DLHM	75	ug/g	30-APR-15	*240	*240	*300	*1700
	F3-PAH	1800		75	ug/g	30-APR-15				
	F4 (C34-C50)	306	DLHM	75	ug/g	30-APR-15	*120	*120	2800	3300
	Total Hydrocarbons (C6-C50)	2140		110	ug/g	30-APR-15				
	Chrom. to baseline at nC50	YES			No Unit	30-APR-15				
	Surrogate: 2-Bromobenzotrifluoride	83.4		60-140	%	30-APR-15				
	Surrogate: 3,4-Dichlorotoluene	112.9		60-140	%	28-APR-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.075	DLHM	0.075	ug/g	29-APR-15	**0.05	**0.072	7.9	21
	Acenaphthylene	<0.075	DLHM	0.075	ug/g	29-APR-15	0.093	0.093	0.15	0.15
	Anthracene	<0.075	DLHM	0.075	ug/g	29-APR-15	**0.05	0.16	0.67	0.67
	Benzo(a)anthracene	<0.075	DLHM	0.075	ug/g	29-APR-15	0.095	0.36	0.5	0.96
	Benzo(a)pyrene	<0.075	DLHM	0.075	ug/g	29-APR-15	**0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	0.124	DLHM	0.075	ug/g	29-APR-15				

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#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits				
Grouping	Analyte						#1	#2	#3	#4	
L1603389-12 BH10-SS3/SS4											
Sampled By: H. PADHAM on 24-APR-15 @ 11:3											
Matrix: SOIL											
<b>Polycyclic Aromatic Hydrocarbons</b>											
						0.3	0.47	0.78	0.96		
	Benzo(g,h,i)perylene	0.102	DLHM	0.075	ug/g	29-APR-15	0.2	0.68	6.6	9.6	
	Benzo(k)fluoranthene	<0.075	DLHM	0.075	ug/g	29-APR-15	**0.05	0.48	0.78	0.96	
	Chrysene	0.092	DLHM	0.075	ug/g	29-APR-15	0.18	2.8	7	9.6	
	Dibenzo(ah)anthracene	<0.075	DLHM	0.075	ug/g	29-APR-15	0.1	0.1	0.1	0.1	
	Fluoranthene	0.135	DLHM	0.075	ug/g	29-APR-15	0.24	0.56	0.69	9.6	
	Fluorene	<0.075	DLHM	0.075	ug/g	29-APR-15	**0.05	0.12	62	62	
	Indeno(1,2,3-cd)pyrene	0.078	DLHM	0.075	ug/g	29-APR-15	0.11	0.23	0.38	0.76	
	1+2-Methylnaphthalenes	<0.064		0.064	ug/g	30-APR-15	**0.05	0.59	0.99	30	
	1-Methylnaphthalene	<0.045	DLHM	0.045	ug/g	29-APR-15	0.05	0.59	0.99	30	
	2-Methylnaphthalene	<0.045	DLHM	0.045	ug/g	29-APR-15	0.05	0.59	0.99	30	
	Naphthalene	<0.075	DLHM	0.075	ug/g	29-APR-15	**0.05	0.09	0.6	9.6	
	Phenanthrene	0.133	DLHM	0.075	ug/g	29-APR-15	0.19	0.69	6.2	12	
	Pyrene	0.113	DLHM	0.075	ug/g	29-APR-15	0.19	1	78	96	
	Surrogate: 2-Fluorobiphenyl	93.1		50-140	%	29-APR-15					
	Surrogate: p-Terphenyl d14	92.6		50-140	%	29-APR-15					
<b>Polychlorinated Biphenyls</b>											
	Aroclor 1242	<0.10	DLM	0.10	ug/g	01-MAY-15					
	Aroclor 1248	<0.10	DLM	0.10	ug/g	01-MAY-15					
	Aroclor 1254	<0.10	DLM	0.10	ug/g	01-MAY-15					
	Aroclor 1260	<0.10	DLM	0.10	ug/g	01-MAY-15					
	Total PCBs	<0.20	DLM	0.20	ug/g	01-MAY-15	0.3	0.3	0.35	1.1	
	Surrogate: d14-Terphenyl	98.5		60-140	%	01-MAY-15					
L1603389-13 BH9-SS2											
Sampled By: H. PADHAM on 24-APR-15 @ 14:0											
Matrix: SOIL											
<b>Physical Tests</b>											
	Conductivity	0.593		0.0040	mS/cm	28-APR-15	*0.47	*0.57	0.7	1.4	
	% Moisture	14.6		0.10	%	26-APR-15					
	pH	7.53		0.10	pH units	27-APR-15					
<b>Cyanides</b>											
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	27-APR-15	0.051	0.051	0.051	0.051	
<b>Saturated Paste Extractables</b>											
	SAR	2.58		0.10	SAR	27-APR-15	*1	*2.4	5	12	
	Calcium (Ca)	28.7		1.0	mg/L	27-APR-15					
	Magnesium (Mg)	5.1		1.0	mg/L	27-APR-15					
	Sodium (Na)	57.1		1.0	mg/L	27-APR-15					
<b>Metals</b>											
	Antimony (Sb)	<1.0		1.0	ug/g	27-APR-15	1	1.3	7.5	40	
	Arsenic (As)	2.7		1.0	ug/g	27-APR-15	11	18	18	18	
	Barium (Ba)	23.6		1.0	ug/g	27-APR-15	210	220	390	670	
	Beryllium (Be)	<0.50		0.50	ug/g	27-APR-15	2.5	2.5	4	8	
	Boron (B)	7.7		5.0	ug/g	27-APR-15	36	36	120	120	
	Boron (B), Hot Water Ext.	0.76		0.10	ug/g	27-APR-15	36	36	1.5	2	

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1603389-13	BH9-SS2									
Sampled By: H. PADHAM on 24-APR-15 @ 14:00										
Matrix: SOIL										
<b>Metals</b>										
	Cadmium (Cd)	<0.50		0.50	ug/g	27-APR-15	1	1.2	1.2	1.9
	Chromium (Cr)	8.4		1.0	ug/g	27-APR-15	67	70	160	160
	Cobalt (Co)	2.4		1.0	ug/g	27-APR-15	19	21	22	80
	Copper (Cu)	12.1		1.0	ug/g	27-APR-15	62	92	140	230
	Lead (Pb)	9.5		1.0	ug/g	27-APR-15	45	120	120	120
	Mercury (Hg)	0.0100		0.0050	ug/g	27-APR-15	0.16	0.27	0.27	3.9
	Molybdenum (Mo)	<1.0		1.0	ug/g	27-APR-15	2	2	6.9	40
	Nickel (Ni)	7.5		1.0	ug/g	27-APR-15	37	82	100	270
	Selenium (Se)	<1.0		1.0	ug/g	27-APR-15	1.2	1.5	2.4	5.5
	Silver (Ag)	<0.20		0.20	ug/g	27-APR-15	0.5	0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	27-APR-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	27-APR-15	1.9	2.5	23	33
	Vanadium (V)	13.5		1.0	ug/g	27-APR-15	86	86	86	86
	Zinc (Zn)	34.3		5.0	ug/g	27-APR-15	290	290	340	340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	27-APR-15	0.66	0.66	8	8

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



## Reference Information

**Sample Parameter Qualifier key listed:**

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.
DLHM	Detection Limit Adjusted: Sample has High Moisture Content

**Methods Listed (if applicable):**

ALS Test Code	Matrix	Test Description	Method Reference***
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Soil	Cyanide (WAD)-O.Reg 153/04 (July 2011)	MOE 3015/APHA 4500CN I-WAD
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The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199
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This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-R511-WT	Soil	Conductivity-O.Reg 153/04 (July 2011)	MOEE E3138
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A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC DEC-2000 - PUB# 1310-S
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

## Reference Information

F1-HS-511-WT      Soil      F1-O.Reg 153/04 (July 2011)      E3398/CCME TIER 1-HS

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT      Soil      F2-F4-O.Reg 153/04 (July 2011)      MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-200.2-CVAA-WT      Soil      Mercury in Soil by CVAAS      EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT      Soil      Metals in Soil by CRC ICPMS      EPA 200.2/6020A (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CRC ICPMS.

Method Limitation: This method is not a total digestion technique. It is a very strong acid digestion that is intended to dissolve those metals that may be environmentally available. This method does not dissolve all silicate materials and may result in a partial extraction, depending on the sample matrix, for some metals, including, but not limited to Al, Ba, Be, Cr, Sr, Ti, Tl, and V.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT      Soil      ABN-Calculated Parameters      SW846 8270

MOISTURE-WT      Soil      % Moisture      Gravimetric: Oven Dried

PAH-511-WT      Soil      PAH-O.Reg 153/04 (July 2011)      SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PCB-511-WT      Soil      PCB-O.Reg 153/04 (July 2011)      SW846 3510/8082

An aliquot of a solid sample is extracted with a solvent, extract is cleaned up and analyzed on the GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

PH-R511-WT      Soil      pH-O.Reg 153/04 (July 2011)      MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT      Soil      SAR-O.Reg 153/04 (July 2011)      SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

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\*\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

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*The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:*

## Reference Information

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*

*Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.*



### Quality Control Report

Workorder: L1603389

Report Date: 01-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>B-HWS-R511-WT</b>		<b>Soil</b>						
<b>Batch R3180287</b>								
<b>WG2077077-3</b>	<b>DUP</b>	<b>L1602856-1</b>						
Boron (B), Hot Water Ext.		0.24	0.24		ug/g	0.1	40	27-APR-15
<b>WG2077077-2</b>	<b>IRM</b>	<b>SALINITY_SOIL4</b>						
Boron (B), Hot Water Ext.			77.1		%		70-130	27-APR-15
<b>WG2077077-1</b>	<b>MB</b>							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	27-APR-15
<b>WG2077077-4</b>	<b>MS</b>	<b>L1602856-1</b>						
Boron (B), Hot Water Ext.			87.3		%		60-140	27-APR-15
<b>CN-WAD-R511-WT</b>		<b>Soil</b>						
<b>Batch R3180240</b>								
<b>WG2076570-3</b>	<b>DUP</b>	<b>L1603389-1</b>						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	27-APR-15
<b>WG2076570-2</b>	<b>LCS</b>							
Cyanide, Weak Acid Diss			105.9		%		80-120	27-APR-15
<b>WG2076570-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	27-APR-15
<b>WG2076570-4</b>	<b>MS</b>	<b>L1603389-1</b>						
Cyanide, Weak Acid Diss			120.0		%		70-130	27-APR-15
<b>CR-CR6-IC-WT</b>		<b>Soil</b>						
<b>Batch R3180304</b>								
<b>WG2076607-4</b>	<b>CRM</b>	<b>WT-SQC012</b>						
Chromium, Hexavalent			84.7		%		70-130	27-APR-15
<b>WG2076607-3</b>	<b>DUP</b>	<b>L1603389-1</b>						
Chromium, Hexavalent		<0.20	0.20	RPD-NA	ug/g	N/A	25	27-APR-15
<b>WG2076607-2</b>	<b>LCS</b>							
Chromium, Hexavalent			94.3		%		70-130	27-APR-15
<b>WG2076607-1</b>	<b>MB</b>							
Chromium, Hexavalent			<0.20		ug/g		0.2	27-APR-15
<b>EC-R511-WT</b>		<b>Soil</b>						
<b>Batch R3180832</b>								
<b>WG2077080-4</b>	<b>DUP</b>	<b>WG2077080-3</b>						
Conductivity		0.944	1.02		mS/cm	7.5	20	28-APR-15
<b>WG2077819-1</b>	<b>LCS</b>							
Conductivity			99.0		%		90-110	28-APR-15
<b>WG2077819-2</b>	<b>LCS</b>							
Conductivity			99.0		%		90-110	28-APR-15
<b>WG2077819-3</b>	<b>LCS</b>							



### Quality Control Report

Workorder: L1603389

Report Date: 01-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>EC-R511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3180832</b>							
<b>WG2077819-3</b>	<b>LCS</b>							
Conductivity			98.9		%		90-110	28-APR-15
<b>WG2077080-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	28-APR-15
<b>F1-HS-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3180609</b>							
<b>WG2077150-3</b>	<b>DUP</b>	<b>WG2077150-5</b>						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	50	28-APR-15
<b>WG2077150-2</b>	<b>LCS</b>							
F1 (C6-C10)			114.7		%		80-120	28-APR-15
<b>WG2077150-1</b>	<b>MB</b>							
F1 (C6-C10)			<5.0		ug/g		5	28-APR-15
Surrogate: 3,4-Dichlorotoluene			113.1		%		60-140	28-APR-15
<b>WG2077150-7</b>	<b>MS</b>	<b>WG2077150-6</b>						
F1 (C6-C10)			N/A	MS-B	%		-	28-APR-15
<b>F2-F4-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3181901</b>							
<b>WG2076772-3</b>	<b>CRM</b>	<b>ALS PHC2 IRM</b>						
F2 (C10-C16)			94.3		%		70-130	29-APR-15
F3 (C16-C34)			111.2		%		70-130	29-APR-15
F4 (C34-C50)			120.8		%		70-130	29-APR-15
<b>WG2079123-1</b>	<b>CVS</b>							
F2 (C10-C16)			107.2		%		80-120	29-APR-15
F3 (C16-C34)			111.6		%		80-120	29-APR-15
F4 (C34-C50)			116.3		%		80-120	29-APR-15
<b>WG2079123-2</b>	<b>CVS</b>							
F2 (C10-C16)			109.7		%		80-120	29-APR-15
F3 (C16-C34)			110.6		%		80-120	29-APR-15
F4 (C34-C50)			114.0		%		80-120	29-APR-15
<b>WG2076772-5</b>	<b>DUP</b>	<b>WG2076772-4</b>						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	29-APR-15
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	29-APR-15
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	29-APR-15
<b>WG2076772-2</b>	<b>LCS</b>							
F2 (C10-C16)			82.1		%		80-120	29-APR-15
F3 (C16-C34)			103.3		%		80-120	29-APR-15



### Quality Control Report

Workorder: L1603389

Report Date: 01-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F2-F4-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3181901</b>							
<b>WG2076772-2</b>	<b>LCS</b>							
F4 (C34-C50)			111.1		%		80-120	29-APR-15
<b>WG2076772-1</b>	<b>MB</b>							
F2 (C10-C16)			<10		ug/g		10	29-APR-15
F3 (C16-C34)			<50		ug/g		50	29-APR-15
F4 (C34-C50)			<50		ug/g		50	29-APR-15
Surrogate: 2-Bromobenzotrifluoride			84.8		%		60-140	29-APR-15
<b>HG-200.2-CVAA-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3180237</b>							
<b>WG2077086-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Mercury (Hg)			82.0		%		70-130	27-APR-15
<b>WG2077086-6</b>	<b>DUP</b>	<b>L1603389-3</b>						
Mercury (Hg)		0.0445	0.0330		ug/g	30	40	27-APR-15
<b>WG2077086-4</b>	<b>LCS</b>							
Mercury (Hg)			94.0		%		80-120	27-APR-15
<b>WG2077086-1</b>	<b>MB</b>							
Mercury (Hg)			<0.0050		mg/kg		0.005	27-APR-15
<b>MET-200.2-CCMS-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3180920</b>							
<b>WG2077086-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Antimony (Sb)			95.7		%		70-130	27-APR-15
Arsenic (As)			106.6		%		70-130	27-APR-15
Barium (Ba)			104.0		%		70-130	27-APR-15
Beryllium (Be)			91.7		%		70-130	27-APR-15
Cadmium (Cd)			98.3		%		70-130	27-APR-15
Chromium (Cr)			116.8		%		70-130	27-APR-15
Cobalt (Co)			106.1		%		70-130	27-APR-15
Copper (Cu)			100.0		%		70-130	27-APR-15
Lead (Pb)			93.5		%		70-130	27-APR-15
Molybdenum (Mo)			100.6		%		70-130	27-APR-15
Nickel (Ni)			109.5		%		70-130	27-APR-15
Selenium (Se)			91.2		%		70-130	27-APR-15
Silver (Ag)			98.8		%		70-130	27-APR-15
Thallium (Tl)			104.3		%		70-130	27-APR-15
Uranium (U)			110.6		%		70-130	27-APR-15
Vanadium (V)			116.7		%		70-130	27-APR-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
<b>Soil</b>								
<b>Batch</b>	<b>R3180920</b>							
<b>WG2077086-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Zinc (Zn)			102.1		%		70-130	27-APR-15
<b>WG2077086-6</b>	<b>DUP</b>	<b>L1603389-3</b>						
Antimony (Sb)		<1.0	0.41	J	ug/g	0.23	2	27-APR-15
Arsenic (As)		4.4	3.24	J	ug/g	1.19	2	27-APR-15
Barium (Ba)		58.1	42.1		ug/g	32	40	27-APR-15
Beryllium (Be)		<0.50	0.26	J	ug/g	0.09	1	27-APR-15
Boron (B)		<5.0	<5.0	RPD-NA	ug/g	N/A	30	27-APR-15
Cadmium (Cd)		<0.50	0.112		ug/g	24	30	27-APR-15
Chromium (Cr)		10.2	8.80		ug/g	15	30	27-APR-15
Cobalt (Co)		3.4	2.69		ug/g	24	30	27-APR-15
Copper (Cu)		19.2	14.3		ug/g	30	30	27-APR-15
Lead (Pb)		24.0	18.7		ug/g	25	40	27-APR-15
Molybdenum (Mo)		1.6	1.27		ug/g	25	40	27-APR-15
Nickel (Ni)		12.3	10.6		ug/g	15	30	27-APR-15
Selenium (Se)		<1.0	0.27	J	ug/g	0.10	2	27-APR-15
Silver (Ag)		<0.20	<0.10	RPD-NA	ug/g	N/A	40	27-APR-15
Thallium (Tl)		<0.50	<0.050	RPD-NA	ug/g	N/A	30	27-APR-15
Uranium (U)		<1.0	0.205	J	ug/g	0.073	2	27-APR-15
Vanadium (V)		11.6	9.18		ug/g	24	30	27-APR-15
Zinc (Zn)		71.5	60.5		ug/g	17	30	27-APR-15
<b>WG2077086-3</b>	<b>LCS</b>							
Antimony (Sb)			100.0		%		80-120	27-APR-15
Arsenic (As)			98.9		%		80-120	27-APR-15
Barium (Ba)			98.4		%		80-120	27-APR-15
Beryllium (Be)			95.4		%		80-120	27-APR-15
Boron (B)			94.3		%		80-120	27-APR-15
Cadmium (Cd)			96.0		%		80-120	27-APR-15
Chromium (Cr)			99.3		%		80-120	27-APR-15
Cobalt (Co)			98.3		%		80-120	27-APR-15
Copper (Cu)			95.8		%		80-120	27-APR-15
Lead (Pb)			98.7		%		80-120	27-APR-15
Molybdenum (Mo)			100.5		%		80-120	27-APR-15
Nickel (Ni)			98.0		%		80-120	27-APR-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3180920</b>							
<b>WG2077086-3</b>	<b>LCS</b>							
Selenium (Se)			98.3		%		80-120	27-APR-15
Silver (Ag)			97.3		%		80-120	27-APR-15
Thallium (Tl)			98.1		%		80-120	27-APR-15
Uranium (U)			92.9		%		80-120	27-APR-15
Vanadium (V)			101.1		%		80-120	27-APR-15
Zinc (Zn)			94.5		%		80-120	27-APR-15
<b>WG2077086-1</b>	<b>MB</b>							
Antimony (Sb)			<0.10		mg/kg		0.1	27-APR-15
Arsenic (As)			<0.10		mg/kg		0.1	27-APR-15
Barium (Ba)			<0.50		mg/kg		0.5	27-APR-15
Beryllium (Be)			<0.10		mg/kg		0.1	27-APR-15
Boron (B)			<5.0		mg/kg		5	27-APR-15
Cadmium (Cd)			<0.020		mg/kg		0.02	27-APR-15
Chromium (Cr)			<0.50		mg/kg		0.5	27-APR-15
Cobalt (Co)			<0.10		mg/kg		0.1	27-APR-15
Copper (Cu)			<0.50		mg/kg		0.5	27-APR-15
Lead (Pb)			<0.50		mg/kg		0.5	27-APR-15
Molybdenum (Mo)			<0.10		mg/kg		0.1	27-APR-15
Nickel (Ni)			<0.50		mg/kg		0.5	27-APR-15
Selenium (Se)			<0.20		mg/kg		0.2	27-APR-15
Silver (Ag)			<0.10		mg/kg		0.1	27-APR-15
Thallium (Tl)			<0.050		mg/kg		0.05	27-APR-15
Uranium (U)			<0.050		mg/kg		0.05	27-APR-15
Vanadium (V)			<0.20		mg/kg		0.2	27-APR-15
Zinc (Zn)			<2.0		mg/kg		2	27-APR-15
<b>MOISTURE-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3180003</b>							
<b>WG2076692-3</b>	<b>DUP</b>	<b>L1603424-7</b>						
% Moisture		6.87	6.61		%	3.8	20	26-APR-15
<b>WG2076692-2</b>	<b>LCS</b>							
% Moisture			100.0		%		70-130	26-APR-15
<b>WG2076692-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	26-APR-15





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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MOISTURE-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3180006</b>							
<b>WG2076696-3</b>	<b>DUP</b>	<b>L1603430-1</b>						
% Moisture		50.1	49.6		%	1.1	20	26-APR-15
<b>WG2076696-2</b>	<b>LCS</b>							
% Moisture			100.1		%		70-130	26-APR-15
<b>WG2076696-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	26-APR-15
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3181494</b>							
<b>WG2078273-1</b>	<b>CVS</b>							
1-Methylnaphthalene			93.9		%		50-140	28-APR-15
2-Methylnaphthalene			94.9		%		50-140	28-APR-15
Acenaphthene			96.6		%		50-140	28-APR-15
Acenaphthylene			97.5		%		50-140	28-APR-15
Anthracene			98.6		%		50-140	28-APR-15
Benzo(a)anthracene			95.9		%		50-140	28-APR-15
Benzo(a)pyrene			100.0		%		50-140	28-APR-15
Benzo(b)fluoranthene			98.1		%		50-140	28-APR-15
Benzo(g,h,i)perylene			96.4		%		50-140	28-APR-15
Benzo(k)fluoranthene			93.5		%		50-140	28-APR-15
Chrysene			102.7		%		50-140	28-APR-15
Dibenzo(ah)anthracene			96.7		%		50-140	28-APR-15
Fluoranthene			97.4		%		50-140	28-APR-15
Fluorene			98.0		%		50-140	28-APR-15
Indeno(1,2,3-cd)pyrene			94.4		%		50-140	28-APR-15
Naphthalene			96.7		%		50-140	28-APR-15
Phenanthrene			98.1		%		50-140	28-APR-15
Pyrene			103.2		%		50-140	28-APR-15
<b>WG2076476-17</b>	<b>DUP</b>	<b>WG2076476-16</b>						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	29-APR-15
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	29-APR-15
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Benzo(a)anthracene		0.075	0.114	J	ug/g	0.039	0.1	29-APR-15
Benzo(a)pyrene		0.057	0.086	J	ug/g	0.029	0.1	29-APR-15



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 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3181494</b>							
<b>WG2076476-17 DUP</b>		<b>WG2076476-16</b>						
Benzo(b)fluoranthene		0.087	0.122		ug/g	34	40	29-APR-15
Benzo(g,h,i)perylene		<0.050	0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Chrysene		0.080	0.108		ug/g	30	40	29-APR-15
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Fluoranthene		0.189	0.283		ug/g	40	40	29-APR-15
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Indeno(1,2,3-cd)pyrene		<0.050	0.053	RPD-NA	ug/g	N/A	40	29-APR-15
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	29-APR-15
Phenanthrene		0.146	0.198		ug/g	30	40	29-APR-15
Pyrene		0.145	0.215		ug/g	39	40	29-APR-15
<b>WG2076476-15 IRM</b>		<b>ALS PAH1 RM</b>						
1-Methylnaphthalene			91.1		%		50-140	29-APR-15
2-Methylnaphthalene			99.5		%		50-140	29-APR-15
Acenaphthene			68.9		%		50-140	29-APR-15
Acenaphthylene			110.2		%		50-140	29-APR-15
Anthracene			77.9		%		50-140	29-APR-15
Benzo(a)anthracene			105.6		%		50-140	29-APR-15
Benzo(a)pyrene			94.0		%		50-140	29-APR-15
Benzo(b)fluoranthene			100.0		%		50-140	29-APR-15
Benzo(g,h,i)perylene			99.7		%		50-140	29-APR-15
Benzo(k)fluoranthene			94.0		%		50-140	29-APR-15
Chrysene			115.4		%		50-140	29-APR-15
Dibenzo(ah)anthracene			121.8		%		50-140	29-APR-15
Fluoranthene			107.6		%		50-140	29-APR-15
Fluorene			73.8		%		50-140	29-APR-15
Indeno(1,2,3-cd)pyrene			93.3		%		50-140	29-APR-15
Naphthalene			99.0		%		50-140	29-APR-15
Phenanthrene			101.1		%		50-140	29-APR-15
Pyrene			105.5		%		50-140	29-APR-15
<b>WG2076476-14 LCS</b>								
1-Methylnaphthalene			90.9		%		50-140	29-APR-15
2-Methylnaphthalene			90.7		%		50-140	29-APR-15
Acenaphthene			92.6		%		50-140	



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3181494</b>							
<b>WG2076476-14 LCS</b>								
Acenaphthene			92.6		%		50-140	29-APR-15
Acenaphthylene			91.4		%		50-140	29-APR-15
Anthracene			90.6		%		50-140	29-APR-15
Benzo(a)anthracene			88.8		%		50-140	29-APR-15
Benzo(a)pyrene			92.8		%		50-140	29-APR-15
Benzo(b)fluoranthene			92.3		%		50-140	29-APR-15
Benzo(g,h,i)perylene			89.6		%		50-140	29-APR-15
Benzo(k)fluoranthene			86.7		%		50-140	29-APR-15
Chrysene			98.0		%		50-140	29-APR-15
Dibenzo(ah)anthracene			90.3		%		50-140	29-APR-15
Fluoranthene			91.5		%		50-140	29-APR-15
Fluorene			92.9		%		50-140	29-APR-15
Indeno(1,2,3-cd)pyrene			85.0		%		50-140	29-APR-15
Naphthalene			93.3		%		50-140	29-APR-15
Phenanthrene			92.9		%		50-140	29-APR-15
Pyrene			96.9		%		50-140	29-APR-15
<b>WG2076476-13 MB</b>								
1-Methylnaphthalene			<0.030		ug/g		0.03	29-APR-15
2-Methylnaphthalene			<0.030		ug/g		0.03	29-APR-15
Acenaphthene			<0.050		ug/g		0.05	29-APR-15
Acenaphthylene			<0.050		ug/g		0.05	29-APR-15
Anthracene			<0.050		ug/g		0.05	29-APR-15
Benzo(a)anthracene			<0.050		ug/g		0.05	29-APR-15
Benzo(a)pyrene			<0.050		ug/g		0.05	29-APR-15
Benzo(b)fluoranthene			<0.050		ug/g		0.05	29-APR-15
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	29-APR-15
Benzo(k)fluoranthene			<0.050		ug/g		0.05	29-APR-15
Chrysene			<0.050		ug/g		0.05	29-APR-15
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	29-APR-15
Fluoranthene			<0.050		ug/g		0.05	29-APR-15
Fluorene			<0.050		ug/g		0.05	29-APR-15
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	29-APR-15
Naphthalene			<0.050		ug/g		0.05	29-APR-15
Phenanthrene			<0.050		ug/g		0.05	29-APR-15



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CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch R3181494</b>								
<b>WG2076476-13 MB</b>								
Pyrene			<0.050		ug/g		0.05	29-APR-15
Surrogate: 2-Fluorobiphenyl			98.9		%		50-140	29-APR-15
Surrogate: p-Terphenyl d14			103.7		%		50-140	29-APR-15
<b>Batch R3181872</b>								
<b>WG2078996-1 CVS</b>								
1-Methylnaphthalene			93.9		%		50-140	28-APR-15
2-Methylnaphthalene			94.9		%		50-140	28-APR-15
Acenaphthene			96.6		%		50-140	28-APR-15
Acenaphthylene			97.5		%		50-140	28-APR-15
Anthracene			98.6		%		50-140	28-APR-15
Benzo(a)anthracene			95.9		%		50-140	28-APR-15
Benzo(a)pyrene			100.0		%		50-140	28-APR-15
Benzo(b)fluoranthene			98.1		%		50-140	28-APR-15
Benzo(g,h,i)perylene			96.4		%		50-140	28-APR-15
Benzo(k)fluoranthene			93.5		%		50-140	28-APR-15
Chrysene			102.7		%		50-140	28-APR-15
Dibenzo(ah)anthracene			96.7		%		50-140	28-APR-15
Fluoranthene			97.4		%		50-140	28-APR-15
Fluorene			98.0		%		50-140	28-APR-15
Indeno(1,2,3-cd)pyrene			94.4		%		50-140	28-APR-15
Naphthalene			96.7		%		50-140	28-APR-15
Phenanthrene			98.1		%		50-140	28-APR-15
Pyrene			103.2		%		50-140	28-APR-15
<b>WG2076806-5 DUP</b>								
		<b>WG2076806-4</b>						
1-Methylnaphthalene		<0.045	<0.045	RPD-NA	ug/g	N/A	40	29-APR-15
2-Methylnaphthalene		<0.045	<0.045	RPD-NA	ug/g	N/A	40	29-APR-15
Acenaphthene		<0.075	<0.075	RPD-NA	ug/g	N/A	40	29-APR-15
Acenaphthylene		0.119	0.118		ug/g	0.8	40	29-APR-15
Anthracene		0.119	0.139		ug/g	16	40	29-APR-15
Benzo(a)anthracene		0.749	0.890		ug/g	17	40	29-APR-15
Benzo(a)pyrene		0.882	0.982		ug/g	11	40	29-APR-15
Benzo(b)fluoranthene		1.21	1.33		ug/g	9.5	40	29-APR-15
Benzo(g,h,i)perylene		0.626	0.697		ug/g	11	40	29-APR-15
Benzo(k)fluoranthene		0.416	0.443		ug/g	6.2	40	29-APR-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3181872</b>							
<b>WG2076806-5</b>	<b>DUP</b>	<b>WG2076806-4</b>						
Chrysene		0.927	1.05		ug/g	12	40	29-APR-15
Dibenzo(ah)anthracene		0.139	0.159		ug/g	14	40	29-APR-15
Fluoranthene		1.71	1.96		ug/g	14	40	29-APR-15
Fluorene		<0.075	<0.075	RPD-NA	ug/g	N/A	40	29-APR-15
Indeno(1,2,3-cd)pyrene		0.631	0.702		ug/g	11	40	29-APR-15
Naphthalene		<0.075	<0.075	RPD-NA	ug/g	N/A	40	29-APR-15
Phenanthrene		0.661	0.727		ug/g	9.5	40	29-APR-15
Pyrene		1.49	1.69		ug/g	13	40	29-APR-15
<b>WG2076806-3</b>	<b>IRM</b>	<b>ALS PAH1 RM</b>						
1-Methylnaphthalene			85.4		%		50-140	29-APR-15
2-Methylnaphthalene			90.8		%		50-140	29-APR-15
Acenaphthene			65.7		%		50-140	29-APR-15
Acenaphthylene			105.4		%		50-140	29-APR-15
Anthracene			70.4		%		50-140	29-APR-15
Benzo(a)anthracene			99.7		%		50-140	29-APR-15
Benzo(a)pyrene			89.1		%		50-140	29-APR-15
Benzo(b)fluoranthene			102.9		%		50-140	29-APR-15
Benzo(g,h,i)perylene			91.8		%		50-140	29-APR-15
Benzo(k)fluoranthene			72.7		%		50-140	29-APR-15
Chrysene			104.0		%		50-140	29-APR-15
Dibenzo(ah)anthracene			113.9		%		50-140	29-APR-15
Fluoranthene			102.4		%		50-140	29-APR-15
Fluorene			68.2		%		50-140	29-APR-15
Indeno(1,2,3-cd)pyrene			86.1		%		50-140	29-APR-15
Naphthalene			89.9		%		50-140	29-APR-15
Phenanthrene			96.2		%		50-140	29-APR-15
Pyrene			100.4		%		50-140	29-APR-15
<b>WG2076806-2</b>	<b>LCS</b>							
1-Methylnaphthalene			78.6		%		50-140	29-APR-15
2-Methylnaphthalene			79.1		%		50-140	29-APR-15
Acenaphthene			80.7		%		50-140	29-APR-15
Acenaphthylene			79.7		%		50-140	29-APR-15
Anthracene			80.4		%		50-140	29-APR-15
Benzo(a)anthracene			79.0		%		50-140	29-APR-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3181872</b>							
<b>WG2076806-2</b>	<b>LCS</b>							
Benzo(a)pyrene			80.6		%		50-140	29-APR-15
Benzo(b)fluoranthene			78.3		%		50-140	29-APR-15
Benzo(g,h,i)perylene			73.2		%		50-140	29-APR-15
Benzo(k)fluoranthene			76.0		%		50-140	29-APR-15
Chrysene			86.1		%		50-140	29-APR-15
Dibenzo(ah)anthracene			76.6		%		50-140	29-APR-15
Fluoranthene			80.3		%		50-140	29-APR-15
Fluorene			80.7		%		50-140	29-APR-15
Indeno(1,2,3-cd)pyrene			71.7		%		50-140	29-APR-15
Naphthalene			81.0		%		50-140	29-APR-15
Phenanthrene			80.7		%		50-140	29-APR-15
Pyrene			85.1		%		50-140	29-APR-15
<b>WG2076806-1</b>	<b>MB</b>							
1-Methylnaphthalene			<0.030		ug/g		0.03	29-APR-15
2-Methylnaphthalene			<0.030		ug/g		0.03	29-APR-15
Acenaphthene			<0.050		ug/g		0.05	29-APR-15
Acenaphthylene			<0.050		ug/g		0.05	29-APR-15
Anthracene			<0.050		ug/g		0.05	29-APR-15
Benzo(a)anthracene			<0.050		ug/g		0.05	29-APR-15
Benzo(a)pyrene			<0.050		ug/g		0.05	29-APR-15
Benzo(b)fluoranthene			<0.050		ug/g		0.05	29-APR-15
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	29-APR-15
Benzo(k)fluoranthene			<0.050		ug/g		0.05	29-APR-15
Chrysene			<0.050		ug/g		0.05	29-APR-15
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	29-APR-15
Fluoranthene			<0.050		ug/g		0.05	29-APR-15
Fluorene			<0.050		ug/g		0.05	29-APR-15
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	29-APR-15
Naphthalene			<0.050		ug/g		0.05	29-APR-15
Phenanthrene			<0.050		ug/g		0.05	29-APR-15
Pyrene			<0.050		ug/g		0.05	29-APR-15
Surrogate: 2-Fluorobiphenyl			93.9		%		50-140	29-APR-15
Surrogate: p-Terphenyl d14			93.0		%		50-140	29-APR-15
<b>PCB-511-WT</b>	<b>Soil</b>							



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PCB-511-WT</b>								
<b>Soil</b>								
<b>Batch</b>	<b>R3181466</b>							
<b>WG2078300-1</b>	<b>CVS</b>							
Aroclor 1242			105.0		%		60-140	29-APR-15
Aroclor 1248			98.0		%		60-140	29-APR-15
Aroclor 1254			97.4		%		60-140	29-APR-15
Aroclor 1260			99.0		%		60-140	29-APR-15
<b>WG2076476-17</b>	<b>DUP</b>	<b>WG2076476-16</b>						
Aroclor 1242		<0.010	<0.010	RPD-NA	ug/g	N/A	40	29-APR-15
Aroclor 1248		<0.010	<0.010	RPD-NA	ug/g	N/A	40	29-APR-15
Aroclor 1254		<0.010	<0.010	RPD-NA	ug/g	N/A	40	29-APR-15
Aroclor 1260		<0.010	<0.010	RPD-NA	ug/g	N/A	40	29-APR-15
<b>WG2076476-14</b>	<b>LCS</b>							
Aroclor 1242			95.7		%		60-140	29-APR-15
Aroclor 1248			95.1		%		60-140	29-APR-15
Aroclor 1254			99.8		%		60-140	29-APR-15
Aroclor 1260			106.8		%		60-140	29-APR-15
<b>WG2076476-13</b>	<b>MB</b>							
Aroclor 1242			<0.010		ug/g		0.01	29-APR-15
Aroclor 1248			<0.010		ug/g		0.01	29-APR-15
Aroclor 1254			<0.010		ug/g		0.01	29-APR-15
Aroclor 1260			<0.010		ug/g		0.01	29-APR-15
Surrogate: d14-Terphenyl			118.7		%		60-140	29-APR-15
<b>WG2076476-18</b>	<b>MS</b>	<b>WG2076476-16</b>						
Aroclor 1242			109.0		%		60-140	29-APR-15
Aroclor 1254			104.9		%		60-140	29-APR-15
Aroclor 1260			101.5		%		60-140	29-APR-15
<b>Batch</b>	<b>R3182218</b>							
<b>WG2078892-1</b>	<b>CVS</b>							
Aroclor 1242			106.2		%		60-140	30-APR-15
Aroclor 1248			97.7		%		60-140	30-APR-15
Aroclor 1254			95.7		%		60-140	30-APR-15
Aroclor 1260			102.3		%		60-140	30-APR-15
<b>WG2076806-5</b>	<b>DUP</b>	<b>WG2076806-4</b>						
Aroclor 1242		<0.010	<0.010	RPD-NA	ug/g	N/A	40	30-APR-15
Aroclor 1248		<0.010	<0.010	RPD-NA	ug/g	N/A	40	30-APR-15
Aroclor 1254		<0.010	<0.010	RPD-NA	ug/g	N/A	40	30-APR-15
Aroclor 1260		<0.010	<0.010					



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7  
 Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PCB-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3182218</b>							
<b>WG2076806-5</b>	<b>DUP</b>	<b>WG2076806-4</b>						
Aroclor 1260		<0.010	<0.010	RPD-NA	ug/g	N/A	40	30-APR-15
<b>WG2076806-2</b>	<b>LCS</b>							
Aroclor 1242			99.5		%		60-140	30-APR-15
Aroclor 1248			84.4		%		60-140	30-APR-15
Aroclor 1254			96.1		%		60-140	30-APR-15
Aroclor 1260			102.2		%		60-140	30-APR-15
<b>WG2076806-1</b>	<b>MB</b>							
Aroclor 1242			<0.010		ug/g		0.01	30-APR-15
Aroclor 1248			<0.010		ug/g		0.01	30-APR-15
Aroclor 1254			<0.010		ug/g		0.01	30-APR-15
Aroclor 1260			<0.010		ug/g		0.01	30-APR-15
Surrogate: d14-Terphenyl			100.8		%		60-140	30-APR-15
<b>WG2076806-6</b>	<b>MS</b>	<b>WG2076806-4</b>						
Aroclor 1242			103.2		%		60-140	30-APR-15
Aroclor 1254			94.9		%		60-140	30-APR-15
Aroclor 1260			99.5		%		60-140	30-APR-15
<b>PH-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3180156</b>							
<b>WG2076668-1</b>	<b>DUP</b>	<b>L1603421-1</b>						
pH		7.84	7.80	J	pH units	0.04	0.3	27-APR-15
<b>WG2077176-1</b>	<b>LCS</b>							
pH			7.00		pH units		6.7-7.3	27-APR-15
<b>SAR-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3180780</b>							
<b>WG2077080-4</b>	<b>DUP</b>	<b>WG2077080-3</b>						
Calcium (Ca)		13.2	13.5		mg/L	2.4	40	27-APR-15
Sodium (Na)		189	188		mg/L	0.1	40	27-APR-15
Magnesium (Mg)		2.6	2.7		mg/L	3.5	40	27-APR-15
<b>WG2077080-2</b>	<b>IRM</b>	<b>WT SAR1</b>						
Calcium (Ca)			90.5		%		70-130	27-APR-15
Sodium (Na)			95.5		%		70-130	27-APR-15
Magnesium (Mg)			89.7		%		70-130	27-APR-15
<b>WG2077080-1</b>	<b>MB</b>							
Calcium (Ca)			<1.0		mg/L		1	27-APR-15
Sodium (Na)			<1.0		mg/L		1	27-APR-15





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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SAR-R511-WT	Soil							
Batch	R3180780							
WG2077080-1	MB							
Magnesium (Mg)			<1.0		mg/L		1	27-APR-15

# Quality Control Report

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7  
Contact: MAURO CORTES/DIRK GEVAERT

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## Legend:

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Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
DLHM	Detection Limit Adjusted: Sample has High Moisture Content
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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## Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

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The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



L1603389-COFC

<b>Report To</b> Company: AMEC Contact: Mauro Cortes Address: 900 Maple Grove Rd Cambridge ON Phone: 519-650-7100		<b>Report Format</b> Select Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL) Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: mauro.cortes@amecfcw.com Email 2: herman.padham@amecfcw.com		Slow (Rush Turnaround Time (TAT) is not available for all tests) R <input checked="" type="checkbox"/> Regular (Standard TAT if received by 3 pm - business days) P <input type="checkbox"/> Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT E <input type="checkbox"/> Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT E2 <input type="checkbox"/> Same day or weekend emergency - contact ALS to confirm TAT and surcharge																																																																																																																																			
<b>Invoice To</b> Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Invoice Distribution</b> Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX Email 1 or Fax: Email 2:		<b>Analysis Request</b> Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below																																																																																																																																			
<b>Company</b> Contact:		<b>Oil and Gas Required Fields (client use)</b> Approver ID: Cost Center: GL Account: Routing Code: Activity Code: Location:																																																																																																																																					
<b>Project Information</b> ALS Quote #: Q29243 Job #: SWC157090 PO / AFE: LSD: APR-210		<b>ALS Lab Work Order # (lab use only)</b> L1603389 ALS Contact: ML Pires Sampler: HP		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>ALS Sample # (lab use only)</th> <th>Sample Identification and/or Coordinates (This description will appear on the report)</th> <th>Date (dd-mmm-yy)</th> <th>Time (hh:mm)</th> <th>Sample Type</th> <th>F1-F4-511-P-WT</th> <th>PAH-511-WT</th> <th>PCB-511-WT</th> <th>R511-INORGANICS-P-WT</th> <th>Number of Containers</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>BH05-552/553</td> <td>20-Apr-15</td> <td>1000</td> <td>SOIL</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>5</td> </tr> <tr> <td>2</td> <td>BH06-552</td> <td>20-Apr-15</td> <td>1610</td> <td>SOIL</td> <td></td> <td></td> <td></td> <td>✓</td> <td>1</td> </tr> <tr> <td>3</td> <td>BH04-552/553</td> <td>21-Apr-15</td> <td>1030</td> <td>SOIL</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>5</td> </tr> <tr> <td>4</td> <td>BH03-551/552</td> <td>21-Apr-15</td> <td>1430</td> <td>SOIL</td> <td></td> <td></td> <td></td> <td>✓</td> <td>1</td> </tr> <tr> <td>5</td> <td>BH02-552/553</td> <td>22-Apr-15</td> <td>0820</td> <td>SOIL</td> <td></td> <td></td> <td></td> <td>✓</td> <td>1</td> </tr> <tr> <td>6</td> <td>BH15-553</td> <td>22-Apr-15</td> <td>1145</td> <td>SOIL</td> <td></td> <td></td> <td></td> <td>✓</td> <td>1</td> </tr> <tr> <td>7</td> <td>BH14-553</td> <td>22-Apr-15</td> <td>1530</td> <td>SOIL</td> <td></td> <td></td> <td></td> <td>✓</td> <td>1</td> </tr> <tr> <td>8</td> <td>BH13-553/554</td> <td>23-Apr-15</td> <td>0945</td> <td>SOIL</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>5</td> </tr> <tr> <td>9</td> <td>BH12-552/553</td> <td>23-Apr-15</td> <td>1345</td> <td>SOIL</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>5</td> </tr> <tr> <td>10</td> <td>BH12-557</td> <td>23-Apr-15</td> <td>1430</td> <td>SOIL</td> <td></td> <td></td> <td></td> <td>✓</td> <td>1</td> </tr> <tr> <td>11</td> <td>BH11-553</td> <td>24-Apr-15</td> <td>0845</td> <td>SOIL</td> <td></td> <td></td> <td></td> <td>✓</td> <td>1</td> </tr> <tr> <td>12</td> <td>BH10-553/554</td> <td>24-Apr-15</td> <td>1130</td> <td>SOIL</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>✓</td> <td>5</td> </tr> </tbody> </table>		ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	F1-F4-511-P-WT	PAH-511-WT	PCB-511-WT	R511-INORGANICS-P-WT	Number of Containers	1	BH05-552/553	20-Apr-15	1000	SOIL	✓	✓	✓	✓	5	2	BH06-552	20-Apr-15	1610	SOIL				✓	1	3	BH04-552/553	21-Apr-15	1030	SOIL	✓	✓	✓	✓	5	4	BH03-551/552	21-Apr-15	1430	SOIL				✓	1	5	BH02-552/553	22-Apr-15	0820	SOIL				✓	1	6	BH15-553	22-Apr-15	1145	SOIL				✓	1	7	BH14-553	22-Apr-15	1530	SOIL				✓	1	8	BH13-553/554	23-Apr-15	0945	SOIL	✓	✓	✓	✓	5	9	BH12-552/553	23-Apr-15	1345	SOIL	✓	✓	✓	✓	5	10	BH12-557	23-Apr-15	1430	SOIL				✓	1	11	BH11-553	24-Apr-15	0845	SOIL				✓	1	12	BH10-553/554	24-Apr-15	1130	SOIL	✓	✓	✓	✓	5
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)			Sample Type	F1-F4-511-P-WT	PAH-511-WT	PCB-511-WT	R511-INORGANICS-P-WT	Number of Containers																																																																																																																												
1	BH05-552/553	20-Apr-15	1000			SOIL	✓	✓	✓	✓	5																																																																																																																												
2	BH06-552	20-Apr-15	1610			SOIL				✓	1																																																																																																																												
3	BH04-552/553	21-Apr-15	1030			SOIL	✓	✓	✓	✓	5																																																																																																																												
4	BH03-551/552	21-Apr-15	1430			SOIL				✓	1																																																																																																																												
5	BH02-552/553	22-Apr-15	0820			SOIL				✓	1																																																																																																																												
6	BH15-553	22-Apr-15	1145			SOIL				✓	1																																																																																																																												
7	BH14-553	22-Apr-15	1530			SOIL				✓	1																																																																																																																												
8	BH13-553/554	23-Apr-15	0945			SOIL	✓	✓	✓	✓	5																																																																																																																												
9	BH12-552/553	23-Apr-15	1345	SOIL	✓	✓	✓	✓	5																																																																																																																														
10	BH12-557	23-Apr-15	1430	SOIL				✓	1																																																																																																																														
11	BH11-553	24-Apr-15	0845	SOIL				✓	1																																																																																																																														
12	BH10-553/554	24-Apr-15	1130	SOIL	✓	✓	✓	✓	5																																																																																																																														
<b>Drinking Water (DW) Samples<sup>1</sup> (client use)</b> Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		<b>Special Instructions / Specify Criteria to add on report (client Use)</b> Table 1 & 2		<b>SAMPLE CONDITION AS RECEIVED (lab use only)</b> Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/> Ice packs Yes <input type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/> Cooling initiated <input type="checkbox"/> INITIAL COOLER TEMPERATURES °C: FINAL COOLER TEMPERATURES °C: 0-2																																																																																																																																			
<b>SHIPMENT RELEASE (client use)</b> Released by: H. PADHAM Date: Apr 24/15 Time: 1700		<b>INITIAL SHIPMENT RECEPTION (lab use only)</b> Received by: Date: Time:		<b>FINAL SHIPMENT RECEPTION (lab use only)</b> Received by: Date: Time:																																																																																																																																			



L1603389-COFC

COC Number: 14 -

 Page 2 of 2

Report To	Report Format / Distribution	Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)
Company: AMEC	Select Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)	R <input checked="" type="checkbox"/> Regular (Standard TAT if received by 3 pm - business days)
Contact: Mauro Cortes	Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	P <input type="checkbox"/> Priority (2-4 bus. days if received by 3pm) 50% surcharge - contact ALS to confirm TAT
Address: <i>900 Maple Grove Rd, Cambridge ON</i>	<input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked	E <input type="checkbox"/> Emergency (1-2 bus. days if received by 3pm) 100% surcharge - contact ALS to confirm TAT
Phone: <i>519-650-7100</i>	Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX	E2 <input type="checkbox"/> Same day or weekend emergency - contact ALS to confirm TAT and surcharge
	Email 1 or Fax <a href="mailto:mauro.cortes@amecfw.com">mauro.cortes@amecfw.com</a>	Specify Date Required for E2, E or P:
	Email 2 <a href="mailto:herman.padham@amecfw.com">herman.padham@amecfw.com</a>	<b>Analysis Request</b>
Invoice To Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>Invoice Distribution</b>	Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below
Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Select Invoice Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX	
Company:	Email 1 or Fax	
Contact:	Email 2	
<b>Project Information</b>	<b>Oil and Gas Required Fields (client use)</b>	
ALS Quote #: Q29243	Approver ID:	
Job #: SWC157090	GL Account:	
PO / AFE:	Activity Code:	
LSD:	Location:	
ALS Lab Work Order # (lab use only) <i>L1603389</i>	ALS Contact: ML Pires	Sampler: <i>HP</i>
ALS Sample # (lab use only) <i>B3</i>	Sample Identification and/or Coordinates (This description will appear on the report) <i>BH9-552</i>	Date (dd-mmm-yy) <i>24-Apr-15</i>
		Time (hh:mm) <i>1400</i>
		Sample Type <i>SOIL</i>
		F1-F4-511-P-WT PAH-511-WT PCB-511-WT RS11-INORGANICS-P-WT <input checked="" type="checkbox"/>
		Number of Containers <i>1</i>
<b>Drinking Water (DW) Samples<sup>1</sup> (client use)</b>	<b>Special Instructions / Specify Criteria to add on report (client Use)</b>	<b>SAMPLE CONDITION AS RECEIVED (lab use only)</b>
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>Table 1 &amp; 2</i>	Frozen <input type="checkbox"/> Ice packs Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Cooling Initiated <input checked="" type="checkbox"/>
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>
		INITIAL COOLER TEMPERATURES °C FINAL COOLER TEMPERATURES °C <i>0.99</i>
<b>SHIPMENT RELEASE (client use)</b>	<b>INITIAL SHIPMENT RECEPTION (lab use only)</b>	<b>FINAL SHIPMENT RECEPTION (lab use only)</b>
Released by: <i>H. Padham</i>	Received by:	Received by: <i>M. Harris</i>
Date: <i>Apr 24/15</i>	Date:	Date: <i>24 APR 15</i>
Time: <i>1700</i>	Time:	Time: <i>1700</i>

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-ENR-0228a-V09-Form04 January 2014

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.



AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 01-MAY-15  
Report Date: 11-MAY-15 14:02 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1606336  
Project P.O. #: NOT SUBMITTED  
Job Reference: SWC157090  
C of C Numbers: 14-458242  
Legal Site Desc:

Mary-Lynn Pires  
Account Manager

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ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-1	TP05 AT 2.2M									
Sampled By: H. PADHAM on 28-APR-15 @ 17:3										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.106		0.0040	mS/cm	08-MAY-15	0.47	0.57	0.7	1.4
% Moisture		13.3		0.10	%	03-MAY-15				
pH		5.65		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	0.051
<b>Hydrocarbons</b>										
F1 (C6-C10)		104	DLM	10	ug/g	06-MAY-15	*17	*25	*55	*55
F2 (C10-C16)		6390	DLA	50	ug/g	08-MAY-15	*10	*10	*98	*230
F2-Naphth		6380		50	ug/g	08-MAY-15				
F3 (C16-C34)		137000	DLA	250	ug/g	08-MAY-15	*240	*240	*300	*1700
F3-PAH		137000		250	ug/g	08-MAY-15				
F4 (C34-C50)		1070	DLA	250	ug/g	08-MAY-15	*120	*120	2800	3300
Total Hydrocarbons (C6-C50)		145000		360	ug/g	08-MAY-15				
Chrom. to baseline at nC50		YES			No Unit	08-MAY-15				
Surrogate: 2-Bromobenzotrifluoride		N/A	SMI	60-140	%	08-MAY-15				
Surrogate: 3,4-Dichlorotoluene		62.1		60-140	%	06-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
Acenaphthene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.05	**0.072	7.9	21
Acenaphthylene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.093	**0.093	**0.15	**0.15
Anthracene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.05	**0.16	**0.67	**0.67
Benzo(a)anthracene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.095	**0.36	**0.5	**0.96
Benzo(a)pyrene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.05	**0.3	**0.3	**0.3
Benzo(b)fluoranthene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.3	**0.47	**0.78	**0.96
Benzo(g,h,i)perylene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.2	**0.68	6.6	9.6
Benzo(k)fluoranthene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.05	**0.48	**0.78	**0.96
Chrysene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.18	**2.8	7	9.6
Dibenzo(ah)anthracene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.1	**0.1	**0.1	**0.1
Fluoranthene		6.9	DLM	5.0	ug/g	08-MAY-15	*0.24	*0.56	*0.69	9.6
Fluorene		8.6	DLM	5.0	ug/g	08-MAY-15	*0.05	*0.12	62	62
Indeno(1,2,3-cd)pyrene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.11	**0.23	**0.38	**0.76
1+2-Methylnaphthalenes		9.4		4.2	ug/g	08-MAY-15	*0.05	*0.59	*0.99	30
1-Methylnaphthalene		3.8	DLM	3.0	ug/g	08-MAY-15	*0.05	*0.59	*0.99	30
2-Methylnaphthalene		5.6	DLM	3.0	ug/g	08-MAY-15	*0.05	*0.59	*0.99	30
Naphthalene		10.6	DLM	5.0	ug/g	08-MAY-15	*0.05	*0.09	*0.6	*9.6
Phenanthrene		30.4	DLM	5.0	ug/g	08-MAY-15	*0.19	*0.69	*6.2	*12
Pyrene		<5.0	DLM	5.0	ug/g	08-MAY-15	**0.19	**1	78	96
Surrogate: 2-Fluorobiphenyl		NA	SDO:RN A	50-140	%	08-MAY-15				
Surrogate: p-Terphenyl d14		NA	SDO:RN A	50-140	%	08-MAY-15				
<b>Polychlorinated Biphenyls</b>										
Aroclor 1242		<1.2	DLM	1.0	ug/g	06-MAY-15				
Aroclor 1248		<1.0	DLM	1.0	ug/g	06-MAY-15				
Aroclor 1254		<1.0	DLM	1.0	ug/g	06-MAY-15				
Aroclor 1260		<1.0	DLM	1.0	ug/g	06-MAY-15				

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-1	TP05 AT 2.2M									
Sampled By: H. PADHAM on 28-APR-15 @ 17:3										
Matrix: SOIL										
<b>Polychlorinated Biphenyls</b>										
Total PCBs		<2.0	DLM	2.0	ug/g	06-MAY-15	**0.3	**0.3	**0.35	**1.1
Surrogate: d14-Terphenyl		N/A	SDO:RN A	-	%	06-MAY-15				
L1606336-2	TP10 AT 2.4M									
Sampled By: H. PADHAM on 29-APR-15 @ 17:3										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		3.18		0.0040	mS/cm	06-MAY-15	*0.47	*0.57	*0.7	*1.4
% Moisture		55.3		0.10	%	03-MAY-15				
pH		7.35		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
SAR		1.50		0.10	SAR	05-MAY-15	*1	2.4	5	12
Calcium (Ca)		481		1.0	mg/L	05-MAY-15				
Magnesium (Mg)		27.9		1.0	mg/L	05-MAY-15				
Sodium (Na)		125		1.0	mg/L	05-MAY-15				
<b>Metals</b>										
Antimony (Sb)		68.9		2.0	ug/g	05-MAY-15	*1	*1.3	*7.5	*40
Arsenic (As)		54.1		2.0	ug/g	05-MAY-15	*11	*18	*18	*18
Barium (Ba)		21		10	ug/g	05-MAY-15	210	220	390	670
Beryllium (Be)		<2.0		2.0	ug/g	05-MAY-15	2.5	2.5	4	8
Boron (B)		130		100	ug/g	05-MAY-15	*36	*36	*120	*120
Boron (B), Hot Water Ext.		4.40		0.10	ug/g	05-MAY-15	36	36	*1.5	*2
Cadmium (Cd)		22.1		0.50	ug/g	05-MAY-15	*1	*1.2	*1.2	*1.9
Chromium (Cr)		34		10	ug/g	05-MAY-15	67	70	160	160
Cobalt (Co)		24.9		2.0	ug/g	05-MAY-15	*19	*21	*22	80
Copper (Cu)		143		10	ug/g	05-MAY-15	*62	*92	*140	230
Lead (Pb)		6220		10	ug/g	05-MAY-15	*45	*120	*120	*120
Mercury (Hg)		0.201		0.0050	ug/g	05-MAY-15	*0.16	0.27	0.27	3.9
Molybdenum (Mo)		13.9		2.0	ug/g	05-MAY-15	*2	*2	*6.9	40
Nickel (Ni)		70		10	ug/g	05-MAY-15	*37	82	100	270
Selenium (Se)		8.4		4.0	ug/g	05-MAY-15	*1.2	*1.5	*2.4	*5.5
Silver (Ag)		<2.0		2.0	ug/g	05-MAY-15	**0.5	**0.5	20	40
Thallium (Tl)		<1.0		1.0	ug/g	05-MAY-15	1	1	1	3.3
Uranium (U)		1.2		1.0	ug/g	05-MAY-15	1.9	2.5	23	33
Vanadium (V)		27.6		4.0	ug/g	05-MAY-15	86	86	86	86
Zinc (Zn)		2110		40	ug/g	05-MAY-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
Chromium, Hexavalent		<2.0	DLM	2.0	ug/g	04-MAY-15	**0.66	**0.66	8	8
<b>Hydrocarbons</b>										
F1 (C6-C10)		<7.5	DLHM	7.5	ug/g	05-MAY-15	17	25	55	55
F2 (C10-C16)		111		10	ug/g	06-MAY-15	*10	*10	*98	230

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-2 TP10 AT 2.4M										
Sampled By: H. PADHAM on 29-APR-15 @ 17:3										
Matrix: SOIL										
<b>Hydrocarbons</b>										
F2-Naphth		111		10	ug/g	07-MAY-15				
F3 (C16-C34)		3370		50	ug/g	06-MAY-15	*240	*240	*300	
F3-PAH		3180		50	ug/g	07-MAY-15				
F4 (C34-C50)		739		50	ug/g	06-MAY-15	*120	*120	2800	
F4G-SG (GHH-Silica)		7440	DLHM	380	mg/kg	04-MAY-15	*120	*120	*2800	
Total Hydrocarbons (C6-C50)		4220		72	ug/g	07-MAY-15				
Chrom. to baseline at nC50		NO			No Unit	06-MAY-15				
Surrogate: 2-Bromobenzotrifluoride		85.4		60-140	%	06-MAY-15				
Surrogate: 3,4-Dichlorotoluene		85.1		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
Acenaphthene		0.76	DLHM	0.15	ug/g	06-MAY-15	*0.05	*0.072	7.9	
Acenaphthylene		6.59	DLHM	0.15	ug/g	06-MAY-15	*0.093	*0.093	*0.15	
Anthracene		6.97	DLHM	0.15	ug/g	06-MAY-15	*0.05	*0.16	*0.67	
Benzo(a)anthracene		23.8	DLHM	0.15	ug/g	06-MAY-15	*0.095	*0.36	*0.5	
Benzo(a)pyrene		11.8	DLHM	0.15	ug/g	06-MAY-15	*0.05	*0.3	*0.3	
Benzo(b)fluoranthene		20.4	DLHM	0.15	ug/g	06-MAY-15	*0.3	*0.47	*0.78	
Benzo(g,h,i)perylene		7.22	DLHM	0.15	ug/g	06-MAY-15	*0.2	*0.68	*6.6	
Benzo(k)fluoranthene		8.72	DLHM	0.15	ug/g	06-MAY-15	*0.05	*0.48	*0.78	
Chrysene		19.8	DLHM	0.15	ug/g	06-MAY-15	*0.18	*2.8	*7	
Dibenzo(ah)anthracene		2.10	DLHM	0.15	ug/g	06-MAY-15	*0.1	*0.1	*0.1	
Fluoranthene		63.7	DLA	0.75	ug/g	07-MAY-15	*0.24	*0.56	*0.69	
Fluorene		1.04	DLHM	0.15	ug/g	06-MAY-15	*0.05	*0.12	62	
Indeno(1,2,3-cd)pyrene		8.87	DLHM	0.15	ug/g	06-MAY-15	*0.11	*0.23	*0.38	
1+2-Methylnaphthalenes		0.33		0.13	ug/g	07-MAY-15	*0.05	0.59	0.99	
1-Methylnaphthalene		0.133	DLHM	0.090	ug/g	06-MAY-15	*0.05	0.59	0.99	
2-Methylnaphthalene		0.193	DLHM	0.090	ug/g	06-MAY-15	*0.05	0.59	0.99	
Naphthalene		<2	DLM	2.0	ug/g	07-MAY-15	**0.05	**0.09	**0.6	
Phenanthrene		1.07	DLHM	0.15	ug/g	06-MAY-15	*0.19	*0.69	6.2	
Pyrene		49.7	DLA	0.75	ug/g	07-MAY-15	*0.19	*1	78	
Surrogate: 2-Fluorobiphenyl		113.6		50-140	%	06-MAY-15				
Surrogate: p-Terphenyl d14		105.7		50-140	%	06-MAY-15				
<b>Polychlorinated Biphenyls</b>										
Aroclor 1242		<1.5	DLM	1.5	ug/g	06-MAY-15				
Aroclor 1248		<1.5	DLM	1.5	ug/g	06-MAY-15				
Aroclor 1254		<1.5	DLM	1.5	ug/g	06-MAY-15				
Aroclor 1260		<1.5	DLM	1.5	ug/g	06-MAY-15				
Total PCBs		<3.0	DLM	3.0	ug/g	06-MAY-15	**0.3	**0.3	**0.35	
Surrogate: d14-Terphenyl		N/A	SDO:RN A	-	%	06-MAY-15			**1.1	
L1606336-3 TP06 AT 2.0M										
Sampled By: H. PADHAM on 29-APR-15 @ 08:3										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity		0.405		0.0040	mS/cm	06-MAY-15	0.47	0.57	0.7	

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-3	TP06 AT 2.0M									
Sampled By: H. PADHAM on 29-APR-15 @ 08:3										
Matrix: SOIL										
<b>Physical Tests</b>										
	% Moisture	38.6		0.10	%	03-MAY-15				
	pH	7.00		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	
<b>Saturated Paste Extractables</b>										
	SAR	0.61		0.10	SAR	05-MAY-15	1	2.4	5	
	Calcium (Ca)	36.1		1.0	mg/L	05-MAY-15				
	Magnesium (Mg)	3.6		1.0	mg/L	05-MAY-15				
	Sodium (Na)	14.3		1.0	mg/L	05-MAY-15				
<b>Metals</b>										
	Antimony (Sb)	3.7		1.0	ug/g	05-MAY-15	*1	*1.3	7.5	
	Arsenic (As)	10.3		1.0	ug/g	05-MAY-15	11	18	18	
	Barium (Ba)	323		1.0	ug/g	05-MAY-15	*210	*220	390	
	Beryllium (Be)	0.70		0.50	ug/g	05-MAY-15	2.5	2.5	4	
	Boron (B)	11.4		5.0	ug/g	05-MAY-15	36	36	120	
	Boron (B), Hot Water Ext.	3.30		0.10	ug/g	05-MAY-15	36	36	*1.5	
	Cadmium (Cd)	3.02		0.50	ug/g	05-MAY-15	*1	*1.2	*1.2	
	Chromium (Cr)	69.8		1.0	ug/g	05-MAY-15	*67	70	160	
	Cobalt (Co)	10.9		1.0	ug/g	05-MAY-15	19	21	22	
	Copper (Cu)	181		1.0	ug/g	05-MAY-15	*62	*92	*140	
	Lead (Pb)	288		1.0	ug/g	05-MAY-15	*45	*120	*120	
	Mercury (Hg)	1.30		0.0050	ug/g	05-MAY-15	*0.16	*0.27	*0.27	
	Molybdenum (Mo)	5.9		1.0	ug/g	05-MAY-15	*2	*2	6.9	
	Nickel (Ni)	37.9		1.0	ug/g	05-MAY-15	*37	82	100	
	Selenium (Se)	2.1		1.0	ug/g	05-MAY-15	*1.2	*1.5	2.4	
	Silver (Ag)	1.19		0.20	ug/g	05-MAY-15	*0.5	*0.5	20	
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	1	1	
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	1.9	2.5	23	
	Vanadium (V)	33.2		1.0	ug/g	05-MAY-15	86	86	86	
	Zinc (Zn)	620		5.0	ug/g	05-MAY-15	*290	*290	*340	
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	0.66	8	
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<5.0		5.0	ug/g	05-MAY-15	17	25	55	
	F2 (C10-C16)	<10		10	ug/g	05-MAY-15	10	10	98	
	F2-Naphth	<10		10	ug/g	07-MAY-15				
	F3 (C16-C34)	1000		50	ug/g	05-MAY-15	*240	*240	*300	
	F3-PAH	1000		50	ug/g	07-MAY-15				
	F4 (C34-C50)	394		50	ug/g	05-MAY-15	*120	*120	2800	
	Total Hydrocarbons (C6-C50)	1400		72	ug/g	07-MAY-15				
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15				
	Surrogate: 2-Bromobenzotrifluoride	77.1		60-140	%	05-MAY-15				
	Surrogate: 3,4-Dichlorotoluene	90.3		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.050		0.050	ug/g	06-MAY-15				

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-3	TP06 AT 2.0M									
Sampled By: H. PADHAM on 29-APR-15 @ 08:3										
Matrix: SOIL										
<b>Polycyclic Aromatic Hydrocarbons</b>										
						0.05	0.072	7.9	21	
Acenaphthylene	<0.050	0.050		ug/g	06-MAY-15	0.093	0.093	0.15	0.15	
Anthracene	<0.050	0.050		ug/g	06-MAY-15	0.05	0.16	0.67	0.67	
Benzo(a)anthracene	0.093	0.050	R	ug/g	06-MAY-15	0.095	0.36	0.5	0.96	
Benzo(a)pyrene	0.124	0.050		ug/g	06-MAY-15	*0.05	0.3	0.3	0.3	
Benzo(b)fluoranthene	0.237	0.050		ug/g	06-MAY-15	0.3	0.47	0.78	0.96	
Benzo(g,h,i)perylene	0.113	0.050		ug/g	06-MAY-15	0.2	0.68	6.6	9.6	
Benzo(k)fluoranthene	<0.050	0.050		ug/g	06-MAY-15	0.05	0.48	0.78	0.96	
Chrysene	0.106	0.050		ug/g	06-MAY-15	0.18	2.8	7	9.6	
Dibenzo(ah)anthracene	<0.050	0.050		ug/g	06-MAY-15	0.1	0.1	0.1	0.1	
Fluoranthene	0.134	0.050	R	ug/g	06-MAY-15	0.24	0.56	0.69	9.6	
Fluorene	<0.050	0.050		ug/g	06-MAY-15	0.05	0.12	62	62	
Indeno(1,2,3-cd)pyrene	0.123	0.050		ug/g	06-MAY-15	*0.11	0.23	0.38	0.76	
1+2-Methylnaphthalenes	<0.042	0.042		ug/g	07-MAY-15	0.05	0.59	0.99	30	
1-Methylnaphthalene	<0.030	0.030		ug/g	06-MAY-15	0.05	0.59	0.99	30	
2-Methylnaphthalene	<0.030	0.030		ug/g	06-MAY-15	0.05	0.59	0.99	30	
Naphthalene	<0.050	0.050		ug/g	06-MAY-15	0.05	0.09	0.6	9.6	
Phenanthrene	<0.050	0.050		ug/g	06-MAY-15	0.19	0.69	6.2	12	
Pyrene	0.120	0.050		ug/g	06-MAY-15	0.19	1	78	96	
Surrogate: 2-Fluorobiphenyl	99.6	50-140		%	06-MAY-15					
Surrogate: p-Terphenyl d14	101.9	50-140		%	06-MAY-15					
<b>Polychlorinated Biphenyls</b>										
Aroclor 1242	<0.10	0.10		ug/g	06-MAY-15					
Aroclor 1248	<0.10	0.10		ug/g	06-MAY-15					
Aroclor 1254	0.22	0.10		ug/g	06-MAY-15					
Aroclor 1260	0.31	0.10		ug/g	06-MAY-15					
Total PCBs	0.53	0.20		ug/g	06-MAY-15	*0.3	*0.3	*0.35	1.1	
Surrogate: d14-Terphenyl	128.3	60-140		%	06-MAY-15					
L1606336-4	TP09 AT 2.5M									
Sampled By: H. PADHAM on 29-APR-15 @ 14:0										
Matrix: SOIL										
<b>Physical Tests</b>										
Conductivity	0.542	0.0040		mS/cm	06-MAY-15	*0.47	0.57	0.7	1.4	
% Moisture	40.3	0.10		%	03-MAY-15					
pH	7.54	0.10		pH units	02-MAY-15					
<b>Cyanides</b>										
Cyanide, Weak Acid Diss	<0.050	0.050		ug/g	06-MAY-15	0.051	0.051	0.051	0.051	
<b>Saturated Paste Extractables</b>										
SAR	0.65	0.10		SAR	05-MAY-15	1	2.4	5	12	
Calcium (Ca)	79.4	1.0		mg/L	05-MAY-15					
Magnesium (Mg)	11.1	1.0		mg/L	05-MAY-15					
Sodium (Na)	23.2	1.0		mg/L	05-MAY-15					
<b>Metals</b>										
Antimony (Sb)	<2.0	2.0		ug/g	05-MAY-15	**1	**1.3	7.5	40	

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#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-4	TP09 AT 2.5M									
Sampled By: H. PADHAM on 29-APR-15 @ 14:00										
Matrix: SOIL										
<b>Metals</b>										
	Arsenic (As)	<2.0		2.0	ug/g	05-MAY-15	11	18	18	18
	Barium (Ba)	160		10	ug/g	05-MAY-15	210	220	390	670
	Beryllium (Be)	<2.0		2.0	ug/g	05-MAY-15	2.5	2.5	4	8
	Boron (B)	<100		100	ug/g	05-MAY-15	**36	**36	120	120
	Boron (B), Hot Water Ext.	0.45		0.10	ug/g	05-MAY-15	36	36	1.5	2
	Cadmium (Cd)	0.96		0.50	ug/g	05-MAY-15	1	1.2	1.2	1.9
	Chromium (Cr)	<10		10	ug/g	05-MAY-15	67	70	160	160
	Cobalt (Co)	<2.0		2.0	ug/g	05-MAY-15	19	21	22	80
	Copper (Cu)	<10		10	ug/g	05-MAY-15	62	92	140	230
	Lead (Pb)	<10		10	ug/g	05-MAY-15	45	120	120	120
	Mercury (Hg)	0.0158		0.0050	ug/g	05-MAY-15	0.16	0.27	0.27	3.9
	Molybdenum (Mo)	<2.0		2.0	ug/g	05-MAY-15	2	2	6.9	40
	Nickel (Ni)	<10		10	ug/g	05-MAY-15	37	82	100	270
	Selenium (Se)	<4.0		4.0	ug/g	05-MAY-15	**1.2	**1.5	**2.4	5.5
	Silver (Ag)	<2.0		2.0	ug/g	05-MAY-15	**0.5	**0.5	20	40
	Thallium (Tl)	<1.0		1.0	ug/g	05-MAY-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	1.9	2.5	23	33
	Vanadium (V)	<4.0		4.0	ug/g	05-MAY-15	86	86	86	86
	Zinc (Zn)	2260		40	ug/g	05-MAY-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<5.0		5.0	ug/g	05-MAY-15	17	25	55	55
	F2 (C10-C16)	<10		10	ug/g	05-MAY-15	10	10	98	230
	F2-Naphth	<10		10	ug/g	07-MAY-15				
	F3 (C16-C34)	<50		50	ug/g	05-MAY-15	240	240	300	1700
	F3-PAH	<50		50	ug/g	07-MAY-15				
	F4 (C34-C50)	<50		50	ug/g	05-MAY-15	120	120	2800	3300
	Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-MAY-15				
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15				
	Surrogate: 2-Bromobenzotrifluoride	71.3		60-140	%	05-MAY-15				
	Surrogate: 3,4-Dichlorotoluene	98.8		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.072	7.9	21
	Acenaphthylene	<0.050		0.050	ug/g	06-MAY-15	0.093	0.093	0.15	0.15
	Anthracene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.16	0.67	0.67
	Benzo(a)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.095	0.36	0.5	0.96
	Benzo(a)pyrene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.3	0.47	0.78	0.96
	Benzo(g,h,i)perylene	<0.050		0.050	ug/g	06-MAY-15	0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.48	0.78	0.96
	Chrysene	<0.050		0.050	ug/g	06-MAY-15	0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.1	0.1	0.1	0.1
	Fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.24	0.56	0.69	9.6

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-4	TP09 AT 2.5M									
Sampled By: H. PADHAM on 29-APR-15 @ 14:00										
Matrix: SOIL										
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Fluorene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	06-MAY-15	0.11	0.23	0.38	0.76
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-MAY-15	0.05	0.59	0.99	30
	1-Methylnaphthalene	<0.030		0.030	ug/g	06-MAY-15	0.05	0.59	0.99	30
	2-Methylnaphthalene	<0.030		0.030	ug/g	06-MAY-15	0.05	0.59	0.99	30
	Naphthalene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.09	0.6	9.6
	Phenanthrene	<0.050		0.050	ug/g	06-MAY-15	0.19	0.69	6.2	12
	Pyrene	<0.050		0.050	ug/g	06-MAY-15	0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	92.4		50-140	%	06-MAY-15				
	Surrogate: p-Terphenyl d14	92.1		50-140	%	06-MAY-15				
<b>Polychlorinated Biphenyls</b>										
	Aroclor 1242	<0.010		0.010	ug/g	06-MAY-15				
	Aroclor 1248	<0.010		0.010	ug/g	06-MAY-15				
	Aroclor 1254	<0.010		0.010	ug/g	06-MAY-15				
	Aroclor 1260	<0.010		0.010	ug/g	06-MAY-15				
	Total PCBs	<0.020		0.020	ug/g	06-MAY-15	0.3	0.3	0.35	1.1
	Surrogate: d14-Terphenyl	119.9		60-140	%	06-MAY-15				
L1606336-5	TP04 AT 4.2M									
Sampled By: H. PADHAM on 28-APR-15 @ 16:00										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	0.837		0.0040	mS/cm	06-MAY-15	*0.47	*0.57	*0.7	1.4
	% Moisture	61.1		0.10	%	03-MAY-15				
	pH	6.91		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	2.29		0.10	SAR	05-MAY-15	*1	2.4	5	12
	Calcium (Ca)	76.1		1.0	mg/L	05-MAY-15				
	Magnesium (Mg)	9.1		1.0	mg/L	05-MAY-15				
	Sodium (Na)	79.5		1.0	mg/L	05-MAY-15				
<b>Metals</b>										
	Antimony (Sb)	<2.0		2.0	ug/g	05-MAY-15	**1	**1.3	7.5	40
	Arsenic (As)	3.9		2.0	ug/g	05-MAY-15	11	18	18	18
	Barium (Ba)	124		10	ug/g	05-MAY-15	210	220	390	670
	Beryllium (Be)	<2.0		2.0	ug/g	05-MAY-15	2.5	2.5	4	8
	Boron (B)	170		100	ug/g	05-MAY-15	*36	*36	*120	*120
	Boron (B), Hot Water Ext.	10.9		0.10	ug/g	05-MAY-15	36	36	*1.5	*2
	Cadmium (Cd)	13.1		0.50	ug/g	05-MAY-15	*1	*1.2	*1.2	*1.9
	Chromium (Cr)	18		10	ug/g	05-MAY-15	67	70	160	160
	Cobalt (Co)	8.1		2.0	ug/g	05-MAY-15	19	21	22	80
	Copper (Cu)	71		10	ug/g	05-MAY-15	*62	92	140	230
	Lead (Pb)	375		10	ug/g	05-MAY-15	*45	*120	*120	*120
	Mercury (Hg)	0.257		0.0050	ug/g	05-MAY-15	*0.16	0.27	0.27	3.9

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#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-5	TP04 AT 4.2M									
Sampled By: H. PADHAM on 28-APR-15 @ 16:00										
Matrix: SOIL										
<b>Metals</b>										
	Molybdenum (Mo)	<2.0		2.0	ug/g	05-MAY-15	2	2	6.9	40
	Nickel (Ni)	20		10	ug/g	05-MAY-15	37	82	100	270
	Selenium (Se)	<4.0		4.0	ug/g	05-MAY-15	**1.2	**1.5	**2.4	5.5
	Silver (Ag)	<2.0		2.0	ug/g	05-MAY-15	**0.5	**0.5	20	40
	Thallium (Tl)	<1.0		1.0	ug/g	05-MAY-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	1.9	2.5	23	33
	Vanadium (V)	10.0		4.0	ug/g	05-MAY-15	86	86	86	86
	Zinc (Zn)	5040		40	ug/g	05-MAY-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<10	DLHM	10	ug/g	05-MAY-15	17	25	55	55
	F2 (C10-C16)	<20	DLHM	20	ug/g	05-MAY-15	**10	**10	98	230
	F2-Naphth	<20		20	ug/g	07-MAY-15				
	F3 (C16-C34)	960	DLHM	100	ug/g	05-MAY-15	*240	*240	*300	1700
	F3-PAH	960		100	ug/g	07-MAY-15				
	F4 (C34-C50)	420	DLHM	100	ug/g	05-MAY-15	*120	*120	2800	3300
	Total Hydrocarbons (C6-C50)	1380		140	ug/g	07-MAY-15				
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15				
	Surrogate: 2-Bromobenzotrifluoride	76.4		60-140	%	05-MAY-15				
	Surrogate: 3,4-Dichlorotoluene	89.7		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.10	DLHM	0.10	ug/g	07-MAY-15	**0.05	**0.072	7.9	21
	Acenaphthylene	<0.10	DLHM	0.10	ug/g	07-MAY-15	**0.093	**0.093	0.15	0.15
	Anthracene	<0.10	DLHM	0.10	ug/g	07-MAY-15	**0.05	0.16	0.67	0.67
	Benzo(a)anthracene	0.24	DLHM	0.10	ug/g	07-MAY-15	*0.095	0.36	0.5	0.96
	Benzo(a)pyrene	0.29	DLHM	0.10	ug/g	07-MAY-15	*0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	0.49	DLHM	0.10	ug/g	07-MAY-15	*0.3	*0.47	0.78	0.96
	Benzo(g,h,i)perylene	0.21	DLHM	0.10	ug/g	07-MAY-15	*0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	0.16	DLHM	0.10	ug/g	07-MAY-15	*0.05	0.48	0.78	0.96
	Chrysene	0.32	DLHM	0.10	ug/g	07-MAY-15	*0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	<0.10	DLHM	0.10	ug/g	07-MAY-15	0.1	0.1	0.1	0.1
	Fluoranthene	0.48	DLHM	0.10	ug/g	07-MAY-15	*0.24	0.56	0.69	9.6
	Fluorene	<0.10	DLHM	0.10	ug/g	07-MAY-15	**0.05	0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.24	DLHM	0.10	ug/g	07-MAY-15	*0.11	*0.23	0.38	0.76
	1+2-Methylnaphthalenes	<0.085		0.085	ug/g	07-MAY-15	**0.05	0.59	0.99	30
	1-Methylnaphthalene	<0.060	DLHM	0.060	ug/g	07-MAY-15	**0.05	0.59	0.99	30
	2-Methylnaphthalene	<0.060	DLHM	0.060	ug/g	07-MAY-15	**0.05	0.59	0.99	30
	Naphthalene	<0.10	DLHM	0.10	ug/g	07-MAY-15	**0.05	**0.09	0.6	9.6
	Phenanthrene	0.19	DLHM	0.10	ug/g	07-MAY-15	0.19	0.69	6.2	12
	Pyrene	0.51	DLHM	0.10	ug/g	07-MAY-15	*0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	116.0		50-140	%	07-MAY-15				
	Surrogate: p-Terphenyl d14	114.1		50-140	%	07-MAY-15				
<b>Polychlorinated Biphenyls</b>										

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-5 TP04 AT 4.2M										
Sampled By: H. PADHAM on 28-APR-15 @ 16:00										
Matrix: SOIL										
<b>Polychlorinated Biphenyls</b>										
	Aroclor 1242	<0.20	DLM	0.20	ug/g	06-MAY-15				
	Aroclor 1248	<0.20	DLM	0.20	ug/g	06-MAY-15				
	Aroclor 1254	<0.20	DLM	0.20	ug/g	06-MAY-15				
	Aroclor 1260	<0.20	DLM	0.20	ug/g	06-MAY-15				
	Total PCBs	<0.40	DLM	0.40	ug/g	06-MAY-15	**0.3	**0.3	**0.35	1.1
	Surrogate: d14-Terphenyl	101.3		60-140	%	06-MAY-15				
L1606336-6 TP02 AT 2.2M										
Sampled By: H. PADHAM on 28-APR-15 @ 10:00										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	1.17		0.0040	mS/cm	06-MAY-15	*0.47	*0.57	*0.7	1.4
	% Moisture	50.9		0.10	%	03-MAY-15				
	pH	6.84		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	2.88		0.10	SAR	05-MAY-15	*1	*2.4	5	12
	Calcium (Ca)	85.2		1.0	mg/L	05-MAY-15				
	Magnesium (Mg)	7.1		1.0	mg/L	05-MAY-15				
	Sodium (Na)	103		1.0	mg/L	05-MAY-15				
<b>Metals</b>										
	Antimony (Sb)	4.6		2.0	ug/g	05-MAY-15	*1	*1.3	7.5	40
	Arsenic (As)	20.6		2.0	ug/g	05-MAY-15	*11	*18	*18	*18
	Barium (Ba)	277		10	ug/g	05-MAY-15	*210	*220	390	670
	Beryllium (Be)	<2.0		2.0	ug/g	05-MAY-15	2.5	2.5	4	8
	Boron (B)	<100		100	ug/g	05-MAY-15	**36	**36	120	120
	Boron (B), Hot Water Ext.	1.15		0.10	ug/g	05-MAY-15	36	36	1.5	2
	Cadmium (Cd)	2.16		0.50	ug/g	05-MAY-15	*1	*1.2	*1.2	*1.9
	Chromium (Cr)	21		10	ug/g	05-MAY-15	67	70	160	160
	Cobalt (Co)	8.0		2.0	ug/g	05-MAY-15	19	21	22	80
	Copper (Cu)	331		10	ug/g	05-MAY-15	*62	*92	*140	*230
	Lead (Pb)	373		10	ug/g	05-MAY-15	*45	*120	*120	*120
	Mercury (Hg)	2.90		0.0050	ug/g	05-MAY-15	*0.16	*0.27	*0.27	3.9
	Molybdenum (Mo)	3.6		2.0	ug/g	05-MAY-15	*2	*2	6.9	40
	Nickel (Ni)	30		10	ug/g	05-MAY-15	37	82	100	270
	Selenium (Se)	<4.0		4.0	ug/g	05-MAY-15	**1.2	**1.5	**2.4	5.5
	Silver (Ag)	<2.0		2.0	ug/g	05-MAY-15	**0.5	**0.5	20	40
	Thallium (Tl)	<1.0		1.0	ug/g	05-MAY-15	1	1	1	3.3
	Uranium (U)	1.3		1.0	ug/g	05-MAY-15	1.9	2.5	23	33
	Vanadium (V)	27.9		4.0	ug/g	05-MAY-15	86	86	86	86
	Zinc (Zn)	1330		40	ug/g	05-MAY-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										

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#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-6 TP02 AT 2.2M										
Sampled By: H. PADHAM on 28-APR-15 @ 10:00										
Matrix: SOIL										
<b>Hydrocarbons</b>										
F1 (C6-C10)		<7.5	DLHM	7.5	ug/g	05-MAY-15	17	25	55	55
F2 (C10-C16)		<15	DLHM	15	ug/g	06-MAY-15	**10	**10	98	230
F2-Naphth		<15		15	ug/g	07-MAY-15				
F3 (C16-C34)		635	DLHM	75	ug/g	06-MAY-15	*240	*240	*300	1700
F3-PAH		598		75	ug/g	07-MAY-15				
F4 (C34-C50)		278	DLHM	75	ug/g	06-MAY-15	*120	*120	2800	3300
Total Hydrocarbons (C6-C50)		910		110	ug/g	07-MAY-15				
Chrom. to baseline at nC50		YES			No Unit	06-MAY-15				
Surrogate: 2-Bromobenzotrifluoride		74.0		60-140	%	06-MAY-15				
Surrogate: 3,4-Dichlorotoluene		89.2		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
Acenaphthene		0.562	DLHM	0.075	ug/g	06-MAY-15	*0.05	*0.072	7.9	21
Acenaphthylene		0.239	DLHM	0.075	ug/g	06-MAY-15	*0.093	*0.093	*0.15	*0.15
Anthracene		1.83	DLHM	0.075	ug/g	06-MAY-15	*0.05	*0.16	*0.67	*0.67
Benzo(a)anthracene		3.93	DLHM	0.075	ug/g	06-MAY-15	*0.095	*0.36	*0.5	*0.96
Benzo(a)pyrene		3.31	DLHM	0.075	ug/g	06-MAY-15	*0.05	*0.3	*0.3	*0.3
Benzo(b)fluoranthene		4.38	DLHM	0.075	ug/g	06-MAY-15	*0.3	*0.47	*0.78	*0.96
Benzo(g,h,i)perylene		1.86	DLHM	0.075	ug/g	06-MAY-15	*0.2	*0.68	6.6	9.6
Benzo(k)fluoranthene		1.57	DLHM	0.075	ug/g	06-MAY-15	*0.05	*0.48	*0.78	*0.96
Chrysene		3.57	DLHM	0.075	ug/g	06-MAY-15	*0.18	*2.8	7	9.6
Dibenzo(ah)anthracene		0.553	DLHM	0.075	ug/g	06-MAY-15	*0.1	*0.1	*0.1	*0.1
Fluoranthene		8.62	DLHM	0.075	ug/g	06-MAY-15	*0.24	*0.56	*0.69	9.6
Fluorene		1.12	DLHM	0.075	ug/g	06-MAY-15	*0.05	*0.12	62	62
Indeno(1,2,3-cd)pyrene		2.23	DLHM	0.075	ug/g	06-MAY-15	*0.11	*0.23	*0.38	*0.76
1+2-Methylnaphthalenes		0.380		0.064	ug/g	07-MAY-15	*0.05	0.59	0.99	30
1-Methylnaphthalene		0.194	DLHM	0.045	ug/g	06-MAY-15	*0.05	0.59	0.99	30
2-Methylnaphthalene		0.186	DLHM	0.045	ug/g	06-MAY-15	*0.05	0.59	0.99	30
Naphthalene		0.219	DLHM	0.075	ug/g	06-MAY-15	*0.05	*0.09	0.6	9.6
Phenanthrene		6.44	DLHM	0.075	ug/g	06-MAY-15	*0.19	*0.69	*6.2	12
Pyrene		6.42	DLHM	0.075	ug/g	06-MAY-15	*0.19	*1	78	96
Surrogate: 2-Fluorobiphenyl		94.6		50-140	%	06-MAY-15				
Surrogate: p-Terphenyl d14		92.2		50-140	%	06-MAY-15				
<b>Polychlorinated Biphenyls</b>										
Aroclor 1242		<0.15	DLM	0.15	ug/g	06-MAY-15				
Aroclor 1248		<0.15	DLM	0.15	ug/g	06-MAY-15				
Aroclor 1254		<0.15	DLM	0.15	ug/g	06-MAY-15				
Aroclor 1260		<0.15	DLM	0.15	ug/g	06-MAY-15				
Total PCBs		<0.30	DLM	0.30	ug/g	06-MAY-15	0.3	0.3	0.35	1.1
Surrogate: d14-Terphenyl		96.8		60-140	%	06-MAY-15				
L1606336-7 TP01 AT 1.8M										
Sampled By: H. PADHAM on 28-APR-15 @ 09:00										
Matrix: SOIL										
<b>Physical Tests</b>							#1	#2	#3	#4
Conductivity		0.386		0.0040	mS/cm	06-MAY-15	0.47	0.57	0.7	1.4

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# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-7	TP01 AT 1.8M									
Sampled By: H. PADHAM on 28-APR-15 @ 09:00										
Matrix: SOIL										
<b>Physical Tests</b>										
	% Moisture	33.4		0.10	%	03-MAY-15				
	pH	7.20		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	0.11		0.10	SAR	05-MAY-15	1	2.4	5	12
	Calcium (Ca)	51.9		1.0	mg/L	05-MAY-15				
	Magnesium (Mg)	4.5		1.0	mg/L	05-MAY-15				
	Sodium (Na)	3.0		1.0	mg/L	05-MAY-15				
<b>Metals</b>										
	Antimony (Sb)	9.0		1.0	ug/g	05-MAY-15	*1	*1.3	*7.5	40
	Arsenic (As)	42.8		1.0	ug/g	05-MAY-15	*11	*18	*18	*18
	Barium (Ba)	861		1.0	ug/g	05-MAY-15	*210	*220	*390	*670
	Beryllium (Be)	1.11		0.50	ug/g	05-MAY-15	2.5	2.5	4	8
	Boron (B)	19.4		5.0	ug/g	05-MAY-15	36	36	120	120
	Boron (B), Hot Water Ext.	2.22		0.10	ug/g	05-MAY-15	36	36	*1.5	*2
	Cadmium (Cd)	1.42		0.50	ug/g	05-MAY-15	*1	*1.2	*1.2	1.9
	Chromium (Cr)	42.1		1.0	ug/g	05-MAY-15	67	70	160	160
	Cobalt (Co)	13.1		1.0	ug/g	05-MAY-15	19	21	22	80
	Copper (Cu)	277		1.0	ug/g	05-MAY-15	*62	*92	*140	*230
	Lead (Pb)	2240		1.0	ug/g	05-MAY-15	*45	*120	*120	*120
	Mercury (Hg)	6.79		0.0050	ug/g	05-MAY-15	*0.16	*0.27	*0.27	*3.9
	Molybdenum (Mo)	3.6		1.0	ug/g	05-MAY-15	*2	*2	6.9	40
	Nickel (Ni)	36.2		1.0	ug/g	05-MAY-15	37	82	100	270
	Selenium (Se)	3.2		1.0	ug/g	05-MAY-15	*1.2	*1.5	*2.4	5.5
	Silver (Ag)	1.65		0.20	ug/g	05-MAY-15	*0.5	*0.5	20	40
	Thallium (Tl)	0.54		0.50	ug/g	05-MAY-15	1	1	1	3.3
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	1.9	2.5	23	33
	Vanadium (V)	47.3		1.0	ug/g	05-MAY-15	86	86	86	86
	Zinc (Zn)	876		5.0	ug/g	05-MAY-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	0.33		0.20	ug/g	04-MAY-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<5.0		5.0	ug/g	05-MAY-15	17	25	55	55
	F2 (C10-C16)	26		10	ug/g	08-MAY-15	*10	*10	98	230
	F2-Naphth	26		10	ug/g	11-MAY-15				
	F3 (C16-C34)	246		50	ug/g	08-MAY-15	*240	*240	300	1700
	F3-PAH	200		50	ug/g	11-MAY-15				
	F4 (C34-C50)	116		50	ug/g	08-MAY-15	120	120	2800	3300
	F4G-SG (GHH-Silica)	400		250	mg/kg	03-MAY-15	*120	*120	2800	3300
	Total Hydrocarbons (C6-C50)	387		72	ug/g	11-MAY-15				
	Chrom. to baseline at nC50	YES			No Unit	08-MAY-15				
	Surrogate: 2-Bromobenzotrifluoride	79.3		60-140	%	08-MAY-15				
	Surrogate: 3,4-Dichlorotoluene	92.4		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										

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#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-7 TP01 AT 1.8M										
Sampled By: H. PADHAM on 28-APR-15 @ 09:00										
Matrix: SOIL										
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	0.358		0.050	ug/g	06-MAY-15	*0.05	*0.072	7.9	21
	Acenaphthylene	0.291		0.050	ug/g	06-MAY-15	*0.093	*0.093	*0.15	*0.15
	Anthracene	1.46		0.050	ug/g	06-MAY-15	*0.05	*0.16	*0.67	*0.67
	Benzo(a)anthracene	4.85		0.050	ug/g	06-MAY-15	*0.095	*0.36	*0.5	*0.96
	Benzo(a)pyrene	4.60		0.050	ug/g	06-MAY-15	*0.05	*0.3	*0.3	*0.3
	Benzo(b)fluoranthene	5.58		0.050	ug/g	06-MAY-15	*0.3	*0.47	*0.78	*0.96
	Benzo(g,h,i)perylene	2.86		0.050	ug/g	06-MAY-15	*0.2	*0.68	6.6	9.6
	Benzo(k)fluoranthene	2.01		0.050	ug/g	06-MAY-15	*0.05	*0.48	*0.78	*0.96
	Chrysene	4.55		0.050	ug/g	06-MAY-15	*0.18	*2.8	7	9.6
	Dibenzo(ah)anthracene	0.704		0.050	ug/g	06-MAY-15	*0.1	*0.1	*0.1	*0.1
	Fluoranthene	10.7		0.050	ug/g	06-MAY-15	*0.24	*0.56	*0.69	*9.6
	Fluorene	0.419		0.050	ug/g	06-MAY-15	*0.05	*0.12	62	62
	Indeno(1,2,3-cd)pyrene	3.18		0.050	ug/g	06-MAY-15	*0.11	*0.23	*0.38	*0.76
	1+2-Methylnaphthalenes	0.270		0.042	ug/g	07-MAY-15	*0.05	0.59	0.99	30
	1-Methylnaphthalene	0.135		0.030	ug/g	06-MAY-15	*0.05	0.59	0.99	30
	2-Methylnaphthalene	0.135		0.030	ug/g	06-MAY-15	*0.05	0.59	0.99	30
	Naphthalene	0.164		0.050	ug/g	06-MAY-15	*0.05	*0.09	0.6	9.6
	Phenanthrene	5.27		0.050	ug/g	06-MAY-15	*0.19	*0.69	6.2	12
	Pyrene	9.28		0.050	ug/g	06-MAY-15	*0.19	*1	78	96
	Surrogate: 2-Fluorobiphenyl	95.0		50-140	%	06-MAY-15				
	Surrogate: p-Terphenyl d14	94.5		50-140	%	06-MAY-15				
<b>Polychlorinated Biphenyls</b>										
	Aroclor 1242	<0.10	DLM	0.10	ug/g	06-MAY-15				
	Aroclor 1248	<0.10	DLM	0.10	ug/g	06-MAY-15				
	Aroclor 1254	<0.10	DLM	0.10	ug/g	06-MAY-15				
	Aroclor 1260	<0.10	DLM	0.10	ug/g	06-MAY-15				
	Total PCBs	<0.20	DLM	0.20	ug/g	06-MAY-15	0.3	0.3	0.35	1.1
	Surrogate: d14-Terphenyl	103.3		60-140	%	06-MAY-15				
L1606336-8 TP03 AT 1.6M										
Sampled By: H. PADHAM on 28-APR-15 @ 12:00										
Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	0.551		0.0040	mS/cm	06-MAY-15	*0.47	0.57	0.7	1.4
	% Moisture	72.1		0.10	%	03-MAY-15				
	pH	6.54		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	1.59		0.10	SAR	05-MAY-15	*1	2.4	5	12
	Calcium (Ca)	39.5		1.0	mg/L	05-MAY-15				
	Magnesium (Mg)	12.0		1.0	mg/L	05-MAY-15				
	Sodium (Na)	44.5		1.0	mg/L	05-MAY-15				
<b>Metals</b>										
	Antimony (Sb)	<2.0		2.0	ug/g	05-MAY-15	**1	**1.3	7.5	40

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-SOIL-RPIICC-C**

#1: T1-Soil-Agricultural or Other Property Use

#2: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-8 TP03 AT 1.6M										
Sampled By: H. PADHAM on 28-APR-15 @ 12:00										
Matrix: SOIL										
<b>Metals</b>										
	Arsenic (As)	2.6		2.0	ug/g	05-MAY-15	11	18	18	18
	Barium (Ba)	92		10	ug/g	05-MAY-15	210	220	390	670
	Beryllium (Be)	<2.0		2.0	ug/g	05-MAY-15	2.5	2.5	4	8
	Boron (B)	<100		100	ug/g	05-MAY-15	**36	**36	120	120
	Boron (B), Hot Water Ext.	9.81		0.10	ug/g	05-MAY-15	36	36	*1.5	*2
	Cadmium (Cd)	21.8		0.50	ug/g	05-MAY-15	*1	*1.2	*1.2	*1.9
	Chromium (Cr)	10		10	ug/g	05-MAY-15	67	70	160	160
	Cobalt (Co)	<2.0		2.0	ug/g	05-MAY-15	19	21	22	80
	Copper (Cu)	113		10	ug/g	05-MAY-15	*62	*92	140	230
	Lead (Pb)	114		10	ug/g	05-MAY-15	*45	120	120	120
	Mercury (Hg)	0.263		0.0050	ug/g	05-MAY-15	*0.16	0.27	0.27	3.9
	Molybdenum (Mo)	<2.0		2.0	ug/g	05-MAY-15	2	2	6.9	40
	Nickel (Ni)	17		10	ug/g	05-MAY-15	37	82	100	270
	Selenium (Se)	6.3		4.0	ug/g	05-MAY-15	*1.2	*1.5	*2.4	*5.5
	Silver (Ag)	<2.0		2.0	ug/g	05-MAY-15	**0.5	**0.5	20	40
	Thallium (Tl)	<1.0		1.0	ug/g	05-MAY-15	1	1	1	3.3
	Uranium (U)	10.5		1.0	ug/g	05-MAY-15	*1.9	*2.5	23	33
	Vanadium (V)	13.9		4.0	ug/g	05-MAY-15	86	86	86	86
	Zinc (Zn)	3990		40	ug/g	05-MAY-15	*290	*290	*340	*340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<15	DLHM	15	ug/g	05-MAY-15	17	25	55	55
	F2 (C10-C16)	<30	DLHM	30	ug/g	06-MAY-15	**10	**10	98	230
	F2-Naphth	<30		30	ug/g	07-MAY-15				
	F3 (C16-C34)	240	DLHM	150	ug/g	06-MAY-15	240	240	300	1700
	F3-PAH	240		150	ug/g	07-MAY-15				
	F4 (C34-C50)	1100	DLHM	150	ug/g	06-MAY-15	*120	*120	2800	3300
	Total Hydrocarbons (C6-C50)	1340		210	ug/g	07-MAY-15				
	Chrom. to baseline at nC50	YES			No Unit	06-MAY-15				
	Surrogate: 2-Bromobenzotrifluoride	78.0		60-140	%	06-MAY-15				
	Surrogate: 3,4-Dichlorotoluene	80.3		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.05	**0.072	7.9	21
	Acenaphthylene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.093	**0.093	0.15	0.15
	Anthracene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.05	0.16	0.67	0.67
	Benzo(a)anthracene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.095	0.36	0.5	0.96
	Benzo(a)pyrene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	<0.15	DLHM	0.15	ug/g	06-MAY-15	0.3	0.47	0.78	0.96
	Benzo(g,h,i)perylene	<0.15	DLHM	0.15	ug/g	06-MAY-15	0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.05	0.48	0.78	0.96
	Chrysene	<0.15	DLHM	0.15	ug/g	06-MAY-15	0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.1	**0.1	**0.1	**0.1
	Fluoranthene	<0.15	DLHM	0.15	ug/g	06-MAY-15	0.24	0.56	0.69	9.6

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# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-8 TP03 AT 1.6M Sampled By: H. PADHAM on 28-APR-15 @ 12:00 Matrix: SOIL										
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Fluorene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.05	**0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.11	0.23	0.38	0.76
	1+2-Methylnaphthalenes	<0.13		0.13	ug/g	07-MAY-15	**0.05	0.59	0.99	30
	1-Methylnaphthalene	<0.090	DLHM	0.090	ug/g	06-MAY-15	**0.05	0.59	0.99	30
	2-Methylnaphthalene	<0.090	DLHM	0.090	ug/g	06-MAY-15	**0.05	0.59	0.99	30
	Naphthalene	<0.15	DLHM	0.15	ug/g	06-MAY-15	**0.05	**0.09	0.6	9.6
	Phenanthrene	<0.15	DLHM	0.15	ug/g	06-MAY-15	0.19	0.69	6.2	12
	Pyrene	<0.15	DLHM	0.15	ug/g	06-MAY-15	0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	90.7		50-140	%	06-MAY-15				
	Surrogate: p-Terphenyl d14	90.7		50-140	%	06-MAY-15				
<b>Polychlorinated Biphenyls</b>										
	Aroclor 1242	<0.030	DLHM	0.030	ug/g	06-MAY-15				
	Aroclor 1248	<0.030	DLHM	0.030	ug/g	06-MAY-15				
	Aroclor 1254	<0.030	DLHM	0.030	ug/g	06-MAY-15				
	Aroclor 1260	<0.030	DLHM	0.030	ug/g	06-MAY-15				
	Total PCBs	<0.060	DLHM	0.060	ug/g	06-MAY-15	0.3	0.3	0.35	1.1
	Surrogate: d14-Terphenyl	93.9		60-140	%	06-MAY-15				
L1606336-9 TP08 AT 1.0M Sampled By: H. PADHAM on 30-APR-15 @ 18:00 Matrix: SOIL										
<b>Physical Tests</b>										
	Conductivity	0.212		0.0040	mS/cm	06-MAY-15	0.47	0.57	0.7	1.4
	% Moisture	26.3		0.10	%	03-MAY-15				
	pH	7.40		0.10	pH units	02-MAY-15				
<b>Cyanides</b>										
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>										
	SAR	<0.10	SAR:Q	0.10	SAR	05-MAY-15	1	2.4	5	12
	Calcium (Ca)	25.6		1.0	mg/L	05-MAY-15				
	Magnesium (Mg)	1.6		1.0	mg/L	05-MAY-15				
	Sodium (Na)	<1.0		1.0	mg/L	05-MAY-15				
<b>Metals</b>										
	Antimony (Sb)	2.2		1.0	ug/g	05-MAY-15	*1	*1.3	7.5	40
	Arsenic (As)	18.2		1.0	ug/g	05-MAY-15	*11	*18	*18	*18
	Barium (Ba)	455		1.0	ug/g	05-MAY-15	*210	*220	*390	670
	Beryllium (Be)	1.60		0.50	ug/g	05-MAY-15	2.5	2.5	4	8
	Boron (B)	30.2		5.0	ug/g	05-MAY-15	36	36	120	120
	Boron (B), Hot Water Ext.	0.66		0.10	ug/g	05-MAY-15	36	36	1.5	2
	Cadmium (Cd)	<0.50		0.50	ug/g	05-MAY-15	1	1.2	1.2	1.9
	Chromium (Cr)	25.2		1.0	ug/g	05-MAY-15	67	70	160	160
	Cobalt (Co)	12.3		1.0	ug/g	05-MAY-15	19	21	22	80
	Copper (Cu)	65.4		1.0	ug/g	05-MAY-15	*62	92	140	230
	Lead (Pb)	177		1.0	ug/g	05-MAY-15	*45	*120	*120	*120
	Mercury (Hg)	0.0605		0.0050	ug/g	05-MAY-15	0.16	0.27	0.27	3.9

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#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-9	TP08 AT 1.0M									
Sampled By: H. PADHAM on 30-APR-15 @ 18:00										
Matrix: SOIL										
<b>Metals</b>										
	Molybdenum (Mo)	4.2		1.0	ug/g	05-MAY-15	*2	*2	6.9	40
	Nickel (Ni)	36.9		1.0	ug/g	05-MAY-15	37	82	100	270
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.2	1.5	2.4	5.5
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	0.5	20	40
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	1	1	3.3
	Uranium (U)	1.2		1.0	ug/g	05-MAY-15	1.9	2.5	23	33
	Vanadium (V)	38.7		1.0	ug/g	05-MAY-15	86	86	86	86
	Zinc (Zn)	127		5.0	ug/g	05-MAY-15	290	290	340	340
<b>Speciated Metals</b>										
	Chromium, Hexavalent	0.24		0.20	ug/g	04-MAY-15	0.66	0.66	8	8
<b>Hydrocarbons</b>										
	F1 (C6-C10)	<5.0		5.0	ug/g	05-MAY-15	17	25	55	55
	F2 (C10-C16)	<10		10	ug/g	05-MAY-15	10	10	98	230
	F2-Naphth	<10		10	ug/g	07-MAY-15				
	F3 (C16-C34)	<50		50	ug/g	05-MAY-15	240	240	300	1700
	F3-PAH	<50		50	ug/g	07-MAY-15				
	F4 (C34-C50)	<50		50	ug/g	05-MAY-15	120	120	2800	3300
	Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-MAY-15				
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15				
	Surrogate: 2-Bromobenzotrifluoride	66.8		60-140	%	05-MAY-15				
	Surrogate: 3,4-Dichlorotoluene	102.5		60-140	%	05-MAY-15				
<b>Polycyclic Aromatic Hydrocarbons</b>										
	Acenaphthene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.072	7.9	21
	Acenaphthylene	<0.050		0.050	ug/g	06-MAY-15	0.093	0.093	0.15	0.15
	Anthracene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.16	0.67	0.67
	Benzo(a)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.095	0.36	0.5	0.96
	Benzo(a)pyrene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.3	0.3	0.3
	Benzo(b)fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.3	0.47	0.78	0.96
	Benzo(g,h,i)perylene	<0.050		0.050	ug/g	06-MAY-15	0.2	0.68	6.6	9.6
	Benzo(k)fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.48	0.78	0.96
	Chrysene	<0.050		0.050	ug/g	06-MAY-15	0.18	2.8	7	9.6
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.1	0.1	0.1	0.1
	Fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.24	0.56	0.69	9.6
	Fluorene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	06-MAY-15	0.11	0.23	0.38	0.76
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-MAY-15	0.05	0.59	0.99	30
	1-Methylnaphthalene	<0.030		0.030	ug/g	06-MAY-15	0.05	0.59	0.99	30
	2-Methylnaphthalene	<0.030		0.030	ug/g	06-MAY-15	0.05	0.59	0.99	30
	Naphthalene	<0.050		0.050	ug/g	06-MAY-15	0.05	0.09	0.6	9.6
	Phenanthrene	<0.050		0.050	ug/g	06-MAY-15	0.19	0.69	6.2	12
	Pyrene	<0.050		0.050	ug/g	06-MAY-15	0.19	1	78	96
	Surrogate: 2-Fluorobiphenyl	128.0		50-140	%	06-MAY-15				
	Surrogate: p-Terphenyl d14	125.2		50-140	%	06-MAY-15				
<b>Polychlorinated Biphenyls</b>										

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# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
Grouping	Analyte						#1	#2	#3	#4
L1606336-9	TP08 AT 1.0M									
Sampled By: H. PADHAM on 30-APR-15 @ 18:00										
Matrix: SOIL										
<b>Polychlorinated Biphenyls</b>										
Aroclor 1242		<0.010		0.010	ug/g	06-MAY-15				
Aroclor 1248		<0.010		0.010	ug/g	06-MAY-15				
Aroclor 1254		<0.010		0.010	ug/g	06-MAY-15				
Aroclor 1260		<0.010		0.010	ug/g	06-MAY-15				
Total PCBs		<0.020		0.020	ug/g	06-MAY-15	0.3	0.3	0.35	
Surrogate: d14-Terphenyl		107.2		60-140	%	06-MAY-15			1.1	
L1606336-10	TP04 AT 2.0M									
Sampled By: H. PADHAM on 28-APR-15 @ 16:30										
Matrix: SOIL										

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

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#4: T2-Soil-Ind/Com/Commu Property Use (Coarse)

## Reference Information

**Sample Parameter Qualifier key listed:**

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
SAR:Q	Qualified SAR value: actual SAR is lower but is incalculable due to Na, Ca or Mg below detection limit.
SMI	Surrogate recovery could not be measured due to sample matrix interference.
SDO:RNA	Surrogate diluted out:% recovery not available
DLA	Detection Limit adjusted for required dilution
DLHM	Detection Limit Adjusted: Sample has High Moisture Content

**Methods Listed (if applicable):**

ALS Test Code	Matrix	Test Description	Method Reference***
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Soil	Cyanide (WAD)-O.Reg 153/04 (July 2011)	MOE 3015/APHA 4500CN I-WAD
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The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199
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This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-R511-WT	Soil	Conductivity-O.Reg 153/04 (July 2011)	MOEE E3138
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A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

## Reference Information

F1-F4-511-CALC-WT      Soil      F1-F4 Hydrocarbon Calculated Parameters      CCME CWS-PHC DEC-2000 - PUB# 1310-S

Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT      Soil      F1-O.Reg 153/04 (July 2011)      E3398/CCME TIER 1-HS

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT      Soil      F2-F4-O.Reg 153/04 (July 2011)      MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F4G-ADD-511-WT      Soil      F4G SG-O.Reg 153/04 (July 2011)      MOE DECPH-E3398/CCME TIER 1

F4G, gravimetric analysis, is determined if the chromatogram does not return to baseline at or before C50. A soil sample is extracted with a solvent mix, the solvent is evaporated and the weight of the residue is determined.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

HG-200.2-CVAA-WT      Soil      Mercury in Soil by CVAAS      EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT      Soil      Metals in Soil by CRC ICPMS      EPA 200.2/6020A (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CRC ICPMS.

Method Limitation: This method is not a total digestion technique. It is a very strong acid digestion that is intended to dissolve those metals that may be environmentally available. This method does not dissolve all silicate materials and may result in a partial extraction, depending on the sample matrix, for some metals, including, but not limited to Al, Ba, Be, Cr, Sr, Ti, Tl, and V.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT      Soil      ABN-Calculated Parameters      SW846 8270  
 MOISTURE-WT      Soil      % Moisture      Gravimetric: Oven Dried

## Reference Information

PAH-511-WT                      Soil                      PAH-O.Reg 153/04 (July 2011)      SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PCB-511-WT                      Soil                      PCB-O.Reg 153/04 (July 2011)      SW846 3510/8082

An aliquot of a solid sample is extracted with a solvent, extract is cleaned up and analyzed on the GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

PH-R511-WT                      Soil                      pH-O.Reg 153/04 (July 2011)      MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT                      Soil                      SAR-O.Reg 153/04 (July 2011)      SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

\*\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

14-458242

*The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:*

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*

*Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.*





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Workorder: L1606336

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>B-HWS-R511-WT</b>		<b>Soil</b>						
<b>Batch R3185110</b>								
<b>WG2082042-3</b>	<b>DUP</b>	<b>L1606345-5</b>						
Boron (B), Hot Water Ext.		0.48	0.47		ug/g	1.4	40	05-MAY-15
<b>WG2082042-2</b>	<b>IRM</b>	<b>SALINITY_SOIL4</b>						
Boron (B), Hot Water Ext.			77.5		%		70-130	05-MAY-15
<b>WG2082042-1</b>	<b>MB</b>							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	05-MAY-15
<b>WG2082042-4</b>	<b>MS</b>	<b>L1606345-5</b>						
Boron (B), Hot Water Ext.			86.8		%		60-140	05-MAY-15
<b>CN-WAD-R511-WT</b>		<b>Soil</b>						
<b>Batch R3185961</b>								
<b>WG2080892-3</b>	<b>DUP</b>	<b>L1606336-1</b>						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	06-MAY-15
<b>WG2080892-2</b>	<b>LCS</b>							
Cyanide, Weak Acid Diss			96.4		%		80-120	06-MAY-15
<b>WG2080892-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	06-MAY-15
<b>CR-CR6-IC-WT</b>		<b>Soil</b>						
<b>Batch R3184515</b>								
<b>WG2080900-4</b>	<b>CRM</b>	<b>WT-SQC012</b>						
Chromium, Hexavalent			79.5		%		70-130	04-MAY-15
<b>WG2080900-3</b>	<b>DUP</b>	<b>WG2080900-5</b>						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	04-MAY-15
<b>WG2080900-2</b>	<b>LCS</b>							
Chromium, Hexavalent			92.9		%		80-120	04-MAY-15
<b>WG2080900-1</b>	<b>MB</b>							
Chromium, Hexavalent			<0.20		ug/g		0.2	04-MAY-15
<b>EC-R511-WT</b>		<b>Soil</b>						
<b>Batch R3185364</b>								
<b>WG2082044-4</b>	<b>DUP</b>	<b>WG2082044-3</b>						
Conductivity		0.160	0.166		mS/cm	3.7	20	06-MAY-15
Conductivity		0.160	0.166		mS/cm	3.7	20	06-MAY-15
<b>WG2083087-1</b>	<b>LCS</b>							
Conductivity			101.9		%		90-110	06-MAY-15
<b>WG2083087-2</b>	<b>LCS</b>							
Conductivity			100.7		%		90-110	06-MAY-15
<b>WG2083087-3</b>	<b>LCS</b>							
Conductivity			96.8		%		90-110	06-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>EC-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185364</b>							
<b>WG2082044-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	06-MAY-15
<b>Batch</b>	<b>R3186716</b>							
<b>WG2084516-4</b>	<b>DUP</b>	<b>WG2084516-3</b>						
Conductivity		0.494	0.505		mS/cm	2.2	20	08-MAY-15
<b>WG2084580-1</b>	<b>LCS</b>							
Conductivity			98.9		%		90-110	08-MAY-15
<b>WG2084516-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	08-MAY-15
<b>F1-HS-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3184471</b>							
<b>WG2081426-3</b>	<b>DUP</b>	<b>WG2081426-5</b>						
F1 (C6-C10)		N/A	<5.0	RPD-NA	ug/g	N/A	50	05-MAY-15
<b>WG2081426-2</b>	<b>LCS</b>							
F1 (C6-C10)			109.3		%		80-120	05-MAY-15
<b>WG2081426-1</b>	<b>MB</b>							
F1 (C6-C10)			<5.0		ug/g		5	04-MAY-15
Surrogate: 3,4-Dichlorotoluene			103.9		%		60-140	04-MAY-15
<b>WG2081426-7</b>	<b>MS</b>	<b>WG2081426-6</b>						
F1 (C6-C10)			114.0		%		60-140	05-MAY-15
<b>F2-F4-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3184649</b>							
<b>WG2081001-3</b>	<b>CRM</b>	<b>ALS PHC2 IRM</b>						
F2 (C10-C16)			73.3		%		70-130	05-MAY-15
F3 (C16-C34)			81.3		%		70-130	05-MAY-15
F4 (C34-C50)			77.9		%		70-130	05-MAY-15
<b>WG2081821-1</b>	<b>CVS</b>							
F2 (C10-C16)			107.6		%		80-120	05-MAY-15
F3 (C16-C34)			109.2		%		80-120	05-MAY-15
F4 (C34-C50)			114.7		%		80-120	05-MAY-15
<b>WG2081821-2</b>	<b>CVS</b>							
F2 (C10-C16)			105.7		%		80-120	05-MAY-15
F3 (C16-C34)			106.8		%		80-120	05-MAY-15
F4 (C34-C50)			112.1		%		80-120	05-MAY-15
<b>WG2081821-3</b>	<b>CVS</b>							
F2 (C10-C16)			104.4		%		80-120	08-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F2-F4-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3184649</b>							
<b>WG2081821-3</b>	<b>CVS</b>							
F3 (C16-C34)			104.7		%		80-120	08-MAY-15
F4 (C34-C50)			109.0		%		80-120	08-MAY-15
<b>WG2081001-5</b>	<b>DUP</b>	<b>WG2081001-4</b>						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	05-MAY-15
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	05-MAY-15
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	05-MAY-15
<b>WG2081001-2</b>	<b>LCS</b>							
F2 (C10-C16)			95.3		%		80-120	05-MAY-15
F3 (C16-C34)			99.2		%		80-120	05-MAY-15
F4 (C34-C50)			98.0		%		80-120	05-MAY-15
<b>WG2081001-1</b>	<b>MB</b>							
F2 (C10-C16)			<10		ug/g		10	05-MAY-15
F3 (C16-C34)			<50		ug/g		50	05-MAY-15
F4 (C34-C50)			<50		ug/g		50	05-MAY-15
Surrogate: 2-Bromobenzotrifluoride			78.1		%		60-140	05-MAY-15
<b>Batch</b>	<b>R3185790</b>							
<b>WG2081000-3</b>	<b>CRM</b>	<b>ALS PHC2 IRM</b>						
F2 (C10-C16)			72.6		%		70-130	06-MAY-15
F3 (C16-C34)			78.3		%		70-130	06-MAY-15
F4 (C34-C50)			76.6		%		70-130	06-MAY-15
<b>WG2083368-1</b>	<b>CVS</b>							
F2 (C10-C16)			102.8		%		80-120	06-MAY-15
F3 (C16-C34)			105.3		%		80-120	06-MAY-15
F4 (C34-C50)			111.6		%		80-120	06-MAY-15
<b>WG2083368-2</b>	<b>CVS</b>							
F2 (C10-C16)			104.0		%		80-120	08-MAY-15
F3 (C16-C34)			103.4		%		80-120	08-MAY-15
F4 (C34-C50)			108.1		%		80-120	08-MAY-15
<b>WG2081000-5</b>	<b>DUP</b>	<b>WG2081000-4</b>						
F2 (C10-C16)		159	183		ug/g	14	40	06-MAY-15
F3 (C16-C34)		651	734		ug/g	12	40	06-MAY-15
F4 (C34-C50)		147	157		ug/g	6.4	40	06-MAY-15
<b>WG2081000-2</b>	<b>LCS</b>							
F2 (C10-C16)			100.2		%		80-120	06-MAY-15
F3 (C16-C34)			110.9		%		80-120	06-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7  
 Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F2-F4-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185790</b>							
<b>WG2081000-2</b>	<b>LCS</b>							
F4 (C34-C50)			119.8		%		80-120	06-MAY-15
<b>WG2081000-1</b>	<b>MB</b>							
F2 (C10-C16)			<10		ug/g		10	06-MAY-15
F3 (C16-C34)			<50		ug/g		50	06-MAY-15
F4 (C34-C50)			<50		ug/g		50	06-MAY-15
Surrogate: 2-Bromobenzotrifluoride			82.2		%		60-140	06-MAY-15
<b>F4G-ADD-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185876</b>							
<b>WG2083770-2</b>	<b>LCS</b>							
F4G-SG (GHH-Silica)			78.8		%		60-140	04-MAY-15
<b>WG2083770-3</b>	<b>LCS</b>	<b>WG2083770-2</b>						
F4G-SG (GHH-Silica)		78.8	87.4		%	10	50	04-MAY-15
<b>WG2083770-1</b>	<b>MB</b>							
F4G-SG (GHH-Silica)			<250		mg/kg		250	04-MAY-15
<b>Batch</b>	<b>R3185877</b>							
<b>WG2083772-2</b>	<b>LCS</b>							
F4G-SG (GHH-Silica)			76.3		%		60-140	03-MAY-15
<b>WG2083772-3</b>	<b>LCS</b>	<b>WG2083772-2</b>						
F4G-SG (GHH-Silica)		76.3	81.0		%	6.0	50	03-MAY-15
<b>WG2083772-1</b>	<b>MB</b>							
F4G-SG (GHH-Silica)			<250		mg/kg		250	03-MAY-15
<b>HG-200.2-CVAA-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3184664</b>							
<b>WG2082046-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Mercury (Hg)			85.2		%		70-130	05-MAY-15
<b>WG2082046-6</b>	<b>DUP</b>	<b>L1606336-3</b>						
Mercury (Hg)		1.30	1.16		ug/g	11	40	05-MAY-15
<b>WG2082046-4</b>	<b>LCS</b>							
Mercury (Hg)			98.0		%		80-120	05-MAY-15
<b>WG2082046-1</b>	<b>MB</b>							
Mercury (Hg)			<0.0050		mg/kg		0.005	05-MAY-15
<b>MET-200.2-CCMS-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185215</b>							
<b>WG2082046-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Antimony (Sb)			100.1		%		70-130	05-MAY-15
Arsenic (As)			104.6		%		70-130	05-MAY-15



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**Client:** AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

**Contact:** MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
<b>Soil</b>								
<b>Batch</b>	<b>R3185215</b>							
<b>WG2082046-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Barium (Ba)			103.0		%		70-130	05-MAY-15
Beryllium (Be)			94.3		%		70-130	05-MAY-15
Cadmium (Cd)			102.9		%		70-130	05-MAY-15
Chromium (Cr)			109.0		%		70-130	05-MAY-15
Cobalt (Co)			103.4		%		70-130	05-MAY-15
Copper (Cu)			98.4		%		70-130	05-MAY-15
Lead (Pb)			95.6		%		70-130	05-MAY-15
Molybdenum (Mo)			99.7		%		70-130	05-MAY-15
Nickel (Ni)			103.1		%		70-130	05-MAY-15
Selenium (Se)			96.8		%		70-130	05-MAY-15
Silver (Ag)			97.2		%		70-130	05-MAY-15
Thallium (Tl)			101.1		%		70-130	05-MAY-15
Uranium (U)			114.0		%		70-130	05-MAY-15
Vanadium (V)			112.4		%		70-130	05-MAY-15
Zinc (Zn)			102.3		%		70-130	05-MAY-15
<b>WG2082046-6</b>	<b>DUP</b>	<b>L1606336-3</b>						
Antimony (Sb)		3.7	3.66		ug/g	1.6	30	05-MAY-15
Arsenic (As)		10.3	10.8		ug/g	4.3	30	05-MAY-15
Barium (Ba)		323	316		ug/g	2.1	40	05-MAY-15
Beryllium (Be)		0.70	0.74		ug/g	4.6	30	05-MAY-15
Boron (B)		11.4	11.9		ug/g	3.8	30	05-MAY-15
Cadmium (Cd)		3.02	3.04		ug/g	0.8	30	05-MAY-15
Chromium (Cr)		69.8	63.2		ug/g	9.9	30	05-MAY-15
Cobalt (Co)		10.9	11.7		ug/g	6.5	30	05-MAY-15
Copper (Cu)		181	151		ug/g	18	30	05-MAY-15
Lead (Pb)		288	260		ug/g	10	40	05-MAY-15
Molybdenum (Mo)		5.9	6.04		ug/g	2.4	40	05-MAY-15
Nickel (Ni)		37.9	40.0		ug/g	5.3	30	05-MAY-15
Selenium (Se)		2.1	2.19		ug/g	5.8	30	05-MAY-15
Silver (Ag)		1.19	1.18		ug/g	0.4	40	05-MAY-15
Thallium (Tl)		<0.50	0.284		ug/g	3.4	30	05-MAY-15
Uranium (U)		<1.0	0.790		ug/g	3.8	30	05-MAY-15
Vanadium (V)		33.2	36.4		ug/g	9.0	30	05-MAY-15



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**Client:** AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

**Contact:** MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185215</b>							
<b>WG2082046-6</b>	<b>DUP</b>	<b>L1606336-3</b>						
Zinc (Zn)		620	607		ug/g	2.0	30	05-MAY-15
<b>WG2082046-3</b>	<b>LCS</b>							
Antimony (Sb)			103.8		%		80-120	05-MAY-15
Arsenic (As)			99.4		%		80-120	05-MAY-15
Barium (Ba)			97.8		%		80-120	05-MAY-15
Beryllium (Be)			94.4		%		80-120	05-MAY-15
Boron (B)			97.8		%		80-120	05-MAY-15
Cadmium (Cd)			96.7		%		80-120	05-MAY-15
Chromium (Cr)			97.3		%		80-120	05-MAY-15
Cobalt (Co)			97.4		%		80-120	05-MAY-15
Copper (Cu)			95.5		%		80-120	05-MAY-15
Lead (Pb)			101.4		%		80-120	05-MAY-15
Molybdenum (Mo)			96.9		%		80-120	05-MAY-15
Nickel (Ni)			96.2		%		80-120	05-MAY-15
Selenium (Se)			99.3		%		80-120	05-MAY-15
Silver (Ag)			94.1		%		80-120	05-MAY-15
Thallium (Tl)			97.9		%		80-120	05-MAY-15
Uranium (U)			96.5		%		80-120	05-MAY-15
Vanadium (V)			100.1		%		80-120	05-MAY-15
Zinc (Zn)			93.0		%		80-120	05-MAY-15
<b>WG2082046-1</b>	<b>MB</b>							
Antimony (Sb)			<0.10		mg/kg		0.1	05-MAY-15
Arsenic (As)			<0.10		mg/kg		0.1	05-MAY-15
Barium (Ba)			<0.50		mg/kg		0.5	05-MAY-15
Beryllium (Be)			<0.10		mg/kg		0.1	05-MAY-15
Boron (B)			<5.0		mg/kg		5	05-MAY-15
Cadmium (Cd)			<0.020		mg/kg		0.02	05-MAY-15
Chromium (Cr)			<0.50		mg/kg		0.5	05-MAY-15
Cobalt (Co)			<0.10		mg/kg		0.1	05-MAY-15
Copper (Cu)			<0.50		mg/kg		0.5	05-MAY-15
Lead (Pb)			<0.50		mg/kg		0.5	05-MAY-15
Molybdenum (Mo)			<0.10		mg/kg		0.1	05-MAY-15
Nickel (Ni)			<0.50		mg/kg		0.5	05-MAY-15
Selenium (Se)			<0.20		mg/kg		0.2	05-MAY-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185215</b>							
<b>WG2082046-1</b>	<b>MB</b>							
Silver (Ag)			<0.10		mg/kg		0.1	05-MAY-15
Thallium (Tl)			<0.050		mg/kg		0.05	05-MAY-15
Uranium (U)			<0.050		mg/kg		0.05	05-MAY-15
Vanadium (V)			<0.20		mg/kg		0.2	05-MAY-15
Zinc (Zn)			<2.0		mg/kg		2	05-MAY-15
<b>MOISTURE-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3183814</b>							
<b>WG2081118-3</b>	<b>DUP</b>	<b>L1605335-10</b>						
% Moisture		42.4	41.9		%	1.3	20	03-MAY-15
<b>WG2081118-2</b>	<b>LCS</b>							
% Moisture			99.7		%		70-130	03-MAY-15
<b>WG2081118-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	03-MAY-15
<b>Batch</b>	<b>R3183816</b>							
<b>WG2081036-3</b>	<b>DUP</b>	<b>L1606241-1</b>						
% Moisture		4.40	4.26		%	3.1	20	03-MAY-15
<b>WG2081036-2</b>	<b>LCS</b>							
% Moisture			99.7		%		70-130	03-MAY-15
<b>WG2081036-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	03-MAY-15
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185312</b>							
<b>WG2082391-1</b>	<b>CVS</b>							
1-Methylnaphthalene			94.0		%		50-140	05-MAY-15
2-Methylnaphthalene			94.9		%		50-140	05-MAY-15
Acenaphthene			96.4		%		50-140	05-MAY-15
Acenaphthylene			95.7		%		50-140	05-MAY-15
Anthracene			97.8		%		50-140	05-MAY-15
Benzo(a)anthracene			95.9		%		50-140	05-MAY-15
Benzo(a)pyrene			101.2		%		50-140	05-MAY-15
Benzo(b)fluoranthene			100.6		%		50-140	05-MAY-15
Benzo(g,h,i)perylene			100.4		%		50-140	05-MAY-15
Benzo(k)fluoranthene			91.8		%		50-140	05-MAY-15
Chrysene			100.5		%		50-140	05-MAY-15
Dibenzo(ah)anthracene			100.2		%		50-140	05-MAY-15



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 CAMBRIDGE ON N3H 4R7  
 Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185312</b>							
<b>WG2082391-1</b>	<b>CVS</b>							
Fluoranthene			97.0		%		50-140	05-MAY-15
Fluorene			96.9		%		50-140	05-MAY-15
Indeno(1,2,3-cd)pyrene			97.9		%		50-140	05-MAY-15
Naphthalene			96.6		%		50-140	05-MAY-15
Phenanthrene			99.1		%		50-140	05-MAY-15
Pyrene			102.9		%		50-140	05-MAY-15
<b>WG2082391-2</b>	<b>CVS</b>							
1-Methylnaphthalene			94.1		%		50-140	07-MAY-15
2-Methylnaphthalene			95.0		%		50-140	07-MAY-15
Acenaphthene			96.1		%		50-140	07-MAY-15
Acenaphthylene			96.7		%		50-140	07-MAY-15
Anthracene			99.8		%		50-140	07-MAY-15
Benzo(a)anthracene			97.9		%		50-140	07-MAY-15
Benzo(a)pyrene			99.1		%		50-140	07-MAY-15
Benzo(b)fluoranthene			90.4		%		50-140	07-MAY-15
Benzo(g,h,i)perylene			98.6		%		50-140	07-MAY-15
Benzo(k)fluoranthene			102.1		%		50-140	07-MAY-15
Chrysene			100.9		%		50-140	07-MAY-15
Dibenzo(ah)anthracene			98.1		%		50-140	07-MAY-15
Fluoranthene			96.2		%		50-140	07-MAY-15
Fluorene			96.6		%		50-140	07-MAY-15
Indeno(1,2,3-cd)pyrene			98.1		%		50-140	07-MAY-15
Naphthalene			96.4		%		50-140	07-MAY-15
Phenanthrene			98.6		%		50-140	07-MAY-15
Pyrene			102.6		%		50-140	07-MAY-15
<b>WG2081002-8</b>	<b>DUP</b>	<b>WG2081002-7</b>						
1-Methylnaphthalene		0.385	0.397		ug/g	3.2	40	07-MAY-15
2-Methylnaphthalene		0.101	0.109		ug/g	8.1	40	07-MAY-15
Acenaphthene		0.124	0.128		ug/g	3.1	40	07-MAY-15
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-MAY-15
Anthracene		0.066	0.077		ug/g	16	40	07-MAY-15
Benzo(a)anthracene		0.126	0.134		ug/g	5.9	40	07-MAY-15
Benzo(a)pyrene		0.152	0.174		ug/g	14	40	07-MAY-15
Benzo(b)fluoranthene		0.225	0.256		ug/g	13	40	07-MAY-15





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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185312</b>							
<b>WG2081002-8</b>	<b>DUP</b>	<b>WG2081002-7</b>						
Benzo(g,h,i)perylene		0.539	0.623		ug/g	14	40	07-MAY-15
Benzo(k)fluoranthene		0.060	0.068		ug/g	13	40	07-MAY-15
Chrysene		0.113	0.101		ug/g	12	40	07-MAY-15
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-MAY-15
Fluoranthene		0.252	0.260		ug/g	3.1	40	07-MAY-15
Fluorene		0.098	0.102		ug/g	3.7	40	07-MAY-15
Indeno(1,2,3-cd)pyrene		0.253	0.304		ug/g	18	40	07-MAY-15
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-MAY-15
Phenanthrene		0.211	0.234		ug/g	10	40	07-MAY-15
Pyrene		0.659	0.710		ug/g	7.4	40	07-MAY-15
<b>WG2081002-3</b>	<b>IRM</b>	<b>ALS PAH1 RM</b>						
1-Methylnaphthalene			83.3		%		50-140	06-MAY-15
2-Methylnaphthalene			91.1		%		50-140	06-MAY-15
Acenaphthene			67.8		%		50-140	06-MAY-15
Acenaphthylene			98.3		%		50-140	06-MAY-15
Anthracene			69.4		%		50-140	06-MAY-15
Benzo(a)anthracene			101.3		%		50-140	06-MAY-15
Benzo(a)pyrene			88.7		%		50-140	06-MAY-15
Benzo(b)fluoranthene			96.8		%		50-140	06-MAY-15
Benzo(g,h,i)perylene			98.4		%		50-140	06-MAY-15
Benzo(k)fluoranthene			87.9		%		50-140	06-MAY-15
Chrysene			102.6		%		50-140	06-MAY-15
Dibenzo(ah)anthracene			118.0		%		50-140	06-MAY-15
Fluoranthene			102.2		%		50-140	06-MAY-15
Fluorene			68.2		%		50-140	06-MAY-15
Indeno(1,2,3-cd)pyrene			94.5		%		50-140	06-MAY-15
Naphthalene			89.9		%		50-140	06-MAY-15
Phenanthrene			94.9		%		50-140	06-MAY-15
Pyrene			100.2		%		50-140	06-MAY-15
<b>WG2081002-2</b>	<b>LCS</b>							
1-Methylnaphthalene			81.2		%		50-140	06-MAY-15
2-Methylnaphthalene			81.5		%		50-140	06-MAY-15
Acenaphthene			83.6		%		50-140	06-MAY-15
Acenaphthylene			84.0		%		50-140	06-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3185312</b>							
<b>WG2081002-2</b>	<b>LCS</b>							
Anthracene			82.4		%		50-140	06-MAY-15
Benzo(a)anthracene			83.5		%		50-140	06-MAY-15
Benzo(a)pyrene			84.1		%		50-140	06-MAY-15
Benzo(b)fluoranthene			87.3		%		50-140	06-MAY-15
Benzo(g,h,i)perylene			83.9		%		50-140	06-MAY-15
Benzo(k)fluoranthene			72.7		%		50-140	06-MAY-15
Chrysene			86.7		%		50-140	06-MAY-15
Dibenzo(ah)anthracene			82.1		%		50-140	06-MAY-15
Fluoranthene			83.7		%		50-140	06-MAY-15
Fluorene			84.4		%		50-140	06-MAY-15
Indeno(1,2,3-cd)pyrene			85.8		%		50-140	06-MAY-15
Naphthalene			82.5		%		50-140	06-MAY-15
Phenanthrene			84.5		%		50-140	06-MAY-15
Pyrene			88.4		%		50-140	06-MAY-15
<b>WG2081002-1</b>	<b>MB</b>							
1-Methylnaphthalene			<0.030		ug/g		0.03	06-MAY-15
2-Methylnaphthalene			<0.030		ug/g		0.03	06-MAY-15
Acenaphthene			<0.050		ug/g		0.05	06-MAY-15
Acenaphthylene			<0.050		ug/g		0.05	06-MAY-15
Anthracene			<0.050		ug/g		0.05	06-MAY-15
Benzo(a)anthracene			<0.050		ug/g		0.05	06-MAY-15
Benzo(a)pyrene			<0.050		ug/g		0.05	06-MAY-15
Benzo(b)fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	06-MAY-15
Benzo(k)fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Chrysene			<0.050		ug/g		0.05	06-MAY-15
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	06-MAY-15
Fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Fluorene			<0.050		ug/g		0.05	06-MAY-15
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	06-MAY-15
Naphthalene			<0.050		ug/g		0.05	06-MAY-15
Phenanthrene			<0.050		ug/g		0.05	06-MAY-15
Pyrene			<0.050		ug/g		0.05	06-MAY-15
Surrogate: 2-Fluorobiphenyl			97.7		%		50-140	06-MAY-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed	
<b>PAH-511-WT</b>									
<b>Soil</b>									
<b>Batch R3185312</b>									
<b>WG2081002-1 MB</b>									
Surrogate: p-Terphenyl d14			95.7		%		50-140	06-MAY-15	
<b>PCB-511-WT</b>									
<b>Soil</b>									
<b>Batch R3185316</b>									
<b>WG2082372-1 CVS</b>									
Aroclor 1242			105.1		%		60-140	06-MAY-15	
Aroclor 1248			98.6		%		60-140	06-MAY-15	
Aroclor 1254			97.1		%		60-140	06-MAY-15	
Aroclor 1260			105.9		%		60-140	06-MAY-15	
<b>WG2081002-5 DUP</b>									
		<b>WG2081002-4</b>							
Aroclor 1242			<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1248			<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1254			<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1260			<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
<b>WG2081002-2 LCS</b>									
Aroclor 1242			106.3		%		60-140	06-MAY-15	
Aroclor 1248			89.0		%		60-140	06-MAY-15	
Aroclor 1254			98.2		%		60-140	06-MAY-15	
Aroclor 1260			107.2		%		60-140	06-MAY-15	
<b>WG2081002-1 MB</b>									
Aroclor 1242			<0.010		ug/g		0.01	06-MAY-15	
Aroclor 1248			<0.010		ug/g		0.01	06-MAY-15	
Aroclor 1254			<0.010		ug/g		0.01	06-MAY-15	
Aroclor 1260			<0.010		ug/g		0.01	06-MAY-15	
Surrogate: d14-Terphenyl			101.3		%		60-140	06-MAY-15	
<b>WG2081002-6 MS</b>									
		<b>WG2081002-4</b>							
Aroclor 1242			118.8		%		60-140	06-MAY-15	
Aroclor 1254			109.1		%		60-140	06-MAY-15	
Aroclor 1260			119.6		%		60-140	06-MAY-15	
<b>PH-R511-WT</b>									
<b>Soil</b>									
<b>Batch R3183400</b>									
<b>WG2080901-1 DUP</b>									
pH		<b>L1606336-2</b>	7.35	7.33	J	pH units	0.02	0.3	02-MAY-15
<b>WG2080977-1 LCS</b>									
pH			7.02			pH units	6.7-7.3	02-MAY-15	



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PH-R511-WT</b>	<b>Soil</b>							
<b>Batch R3183400</b>								
<b>WG2080977-2 LCS</b>								
pH			7.02		pH units		6.7-7.3	02-MAY-15
<b>SAR-R511-WT</b>	<b>Soil</b>							
<b>Batch R3185124</b>								
<b>WG2082044-4 DUP</b>		<b>WG2082044-3</b>						
Calcium (Ca)		17.7	16.7		mg/L	5.9	40	05-MAY-15
Sodium (Na)		1.3	1.2		mg/L	2.3	40	05-MAY-15
Magnesium (Mg)		1.2	1.1		mg/L	5.2	40	05-MAY-15
<b>WG2082044-2 IRM</b>		<b>WT SAR1</b>						
Calcium (Ca)			89.4		%		70-130	05-MAY-15
Sodium (Na)			93.9		%		70-130	05-MAY-15
Magnesium (Mg)			87.7		%		70-130	05-MAY-15
<b>WG2082044-1 MB</b>								
Calcium (Ca)			<1.0		mg/L		1	05-MAY-15
Sodium (Na)			<1.0		mg/L		1	05-MAY-15
Magnesium (Mg)			<1.0		mg/L		1	05-MAY-15

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Contact: MAURO CORTES/DIRK GEVAERT

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## Legend:

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Limit ALS Control Limit (Data Quality Objectives)  
DUP Duplicate  
RPD Relative Percent Difference  
N/A Not Available  
LCS Laboratory Control Sample  
SRM Standard Reference Material  
MS Matrix Spike  
MSD Matrix Spike Duplicate  
ADE Average Desorption Efficiency  
MB Method Blank  
IRM Internal Reference Material  
CRM Certified Reference Material  
CCV Continuing Calibration Verification  
CVS Calibration Verification Standard  
LCSD Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7  
Contact: MAURO CORTES/DIRK GEVAERT

Page 14 of 14

## Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
<b>Volatile Organic Compounds</b>							
Extract & Hold for VOC, BTX or F1	10	28-APR-15 16:30	04-MAY-15 12:12	48	140	hours	EHTR

## Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.  
EHTR: Exceeded ALS recommended hold time prior to sample receipt.  
EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.  
EHT: Exceeded ALS recommended hold time prior to analysis.  
Rec. HT: ALS recommended hold time (see units).

Notes\*:  
Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.  
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L1606336 were received on 01-MAY-15 18:10.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.





AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 01-MAY-15  
Report Date: 08-MAY-15 09:58 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1606356  
Project P.O. #: NOT SUBMITTED  
Job Reference: SWC157090  
C of C Numbers: 14-458227, 14-458241  
Legal Site Desc:

Mary-Lynn Pires  
Account Manager

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ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-1	BH07 SS2/SS3								
Sampled By: H. PADHAM on 27-APR-15 @ 10:3									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.982		0.0040	mS/cm	06-MAY-15	*0.57	1.4	*0.7
% Moisture		37.4		0.10	%	05-MAY-15			
pH		7.10		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		0.090		0.050	ug/g	04-MAY-15	*0.051	*0.051	*0.051
<b>Saturated Paste Extractables</b>									
SAR		4.78		0.10	SAR	05-MAY-15	*2.4	12	5
Calcium (Ca)		46.0		1.0	mg/L	05-MAY-15			
Magnesium (Mg)		3.3		1.0	mg/L	05-MAY-15			
Sodium (Na)		124		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
Antimony (Sb)		4.1		1.0	ug/g	05-MAY-15	*1.3	40	7.5
Arsenic (As)		17.1		1.0	ug/g	05-MAY-15	18	18	18
Barium (Ba)		285		1.0	ug/g	05-MAY-15	*220	670	390
Beryllium (Be)		0.80		0.50	ug/g	05-MAY-15	2.5	8	4
Boron (B)		13.5		5.0	ug/g	05-MAY-15	36	120	120
Boron (B), Hot Water Ext.		1.35		0.10	ug/g	05-MAY-15	36	2	1.5
Cadmium (Cd)		2.22		0.50	ug/g	05-MAY-15	*1.2	*1.9	*1.2
Chromium (Cr)		24.0		1.0	ug/g	05-MAY-15	70	160	160
Cobalt (Co)		7.6		1.0	ug/g	05-MAY-15	21	80	22
Copper (Cu)		127		1.0	ug/g	05-MAY-15	*92	230	140
Lead (Pb)		452		1.0	ug/g	05-MAY-15	*120	*120	*120
Mercury (Hg)		0.763		0.0050	ug/g	05-MAY-15	*0.27	3.9	*0.27
Molybdenum (Mo)		3.2		1.0	ug/g	05-MAY-15	*2	40	6.9
Nickel (Ni)		27.0		1.0	ug/g	05-MAY-15	82	270	100
Selenium (Se)		1.8		1.0	ug/g	05-MAY-15	*1.5	5.5	2.4
Silver (Ag)		0.38		0.20	ug/g	05-MAY-15	0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
Uranium (U)		1.4		1.0	ug/g	05-MAY-15	2.5	33	23
Vanadium (V)		26.3		1.0	ug/g	05-MAY-15	86	86	86
Zinc (Zn)		1540		5.0	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
L1606356-2	BH08 SS2								
Sampled By: H. PADHAM on 27-APR-15 @ 13:0									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.319		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
% Moisture		17.9		0.10	%	05-MAY-15			
pH		7.65		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-2	BH08 SS2								
Sampled By: H. PADHAM on 27-APR-15 @ 13:00									
Matrix: SOIL									
<b>Saturated Paste Extractables</b>									
	SAR	0.66		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	22.3		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	3.1		1.0	mg/L	05-MAY-15			
	Sodium (Na)	12.5		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<1.0		1.0	ug/g	05-MAY-15	1.3	40	7.5
	Arsenic (As)	5.0		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	68.7		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	7.8		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	1.50		0.10	ug/g	05-MAY-15	36	2	1.5
	Cadmium (Cd)	0.72		0.50	ug/g	05-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	16.4		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	4.7		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	30.2		1.0	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	94.5		1.0	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.110		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	<1.0		1.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	11.0		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	25.4		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	206		5.0	ug/g	05-MAY-15	290	340	340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	5.6		5.0	ug/g	05-MAY-15	25	55	55
	F2 (C10-C16)	<10		10	ug/g	05-MAY-15	10	230	98
	F2-Naphth	<10		10	ug/g	07-MAY-15			
	F3 (C16-C34)	1030		50	ug/g	05-MAY-15	*240	1700	*300
	F3-PAH	1030		50	ug/g	07-MAY-15			
	F4 (C34-C50)	833		50	ug/g	05-MAY-15	*120	3300	2800
	Total Hydrocarbons (C6-C50)	1870		72	ug/g	07-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	73.1		60-140	%	05-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	94.8		60-140	%	05-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.050		0.050	ug/g	06-MAY-15	0.072	21	7.9
	Acenaphthylene	0.063		0.050	ug/g	06-MAY-15	0.093	0.15	0.15
	Anthracene	0.068		0.050	ug/g	06-MAY-15	0.16	0.67	0.67
	Benzo(a)anthracene	0.165		0.050	ug/g	06-MAY-15	0.36	0.96	0.5
	Benzo(a)pyrene	0.161		0.050	ug/g	06-MAY-15	0.3	0.3	0.3
	Benzo(b)fluoranthene	0.270		0.050	ug/g	06-MAY-15			

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-2	BH08 SS2								
Sampled By: H. PADHAM on 27-APR-15 @ 13:00									
Matrix: SOIL									
<b>Polycyclic Aromatic Hydrocarbons</b>									
						0.47	0.96	0.78	
	Benzo(g,h,i)perylene	0.147		0.050	ug/g	06-MAY-15	0.68	9.6	6.6
	Benzo(k)fluoranthene	0.083		0.050	ug/g	06-MAY-15	0.48	0.96	0.78
	Chrysene	0.181		0.050	ug/g	06-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.1	0.1	0.1
	Fluoranthene	0.348		0.050	ug/g	06-MAY-15	0.56	9.6	0.69
	Fluorene	<0.050		0.050	ug/g	06-MAY-15	0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.145		0.050	ug/g	06-MAY-15	0.23	0.76	0.38
	1+2-Methylnaphthalenes	0.158		0.042	ug/g	07-MAY-15	0.59	30	0.99
	1-Methylnaphthalene	0.067		0.030	ug/g	06-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	0.090		0.030	ug/g	06-MAY-15	0.59	30	0.99
	Naphthalene	0.109	R	0.050	ug/g	06-MAY-15	*0.09	9.6	0.6
	Phenanthrene	0.258		0.050	ug/g	06-MAY-15	0.69	12	6.2
	Pyrene	0.305		0.050	ug/g	06-MAY-15	1	96	78
	Surrogate: 2-Fluorobiphenyl	93.1		50-140	%	06-MAY-15			
	Surrogate: p-Terphenyl d14	94.0		50-140	%	06-MAY-15			
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1248	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1254	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1260	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Total PCBs	<0.20	DLM	0.20	ug/g	06-MAY-15	0.3	1.1	0.35
	Surrogate: d14-Terphenyl	101.0		60-140	%	06-MAY-15			
L1606356-3	BH08 SS5								
Sampled By: H. PADHAM on 27-APR-15 @ 13:30									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.240		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	12.5		0.10	%	05-MAY-15			
	pH	7.89		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.41		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	21.1		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	4.6		1.0	mg/L	05-MAY-15			
	Sodium (Na)	8.0		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<2.0		2.0	ug/g	05-MAY-15	**1.3	40	7.5
	Arsenic (As)	5.5		2.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	125		10	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<2.0		2.0	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	<100		100	ug/g	05-MAY-15	**36	120	120
	Boron (B), Hot Water Ext.	0.13		0.10	ug/g	05-MAY-15	36	2	1.5

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-3	BH08 SS5								
Sampled By: H. PADHAM on 27-APR-15 @ 13:3									
Matrix: SOIL									
<b>Metals</b>									
	Cadmium (Cd)	1.65		0.50	ug/g	05-MAY-15	*1.2	1.9	*1.2
	Chromium (Cr)	18		10	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	6.3		2.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	43		10	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	118		10	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.0345		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	<2.0		2.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	19		10	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<4.0		4.0	ug/g	05-MAY-15	**1.5	5.5	**2.4
	Silver (Ag)	<2.0		2.0	ug/g	05-MAY-15	**0.5	40	20
	Thallium (Tl)	<1.0		1.0	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	25.8		4.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	1750		40	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
L1606356-4	BH16 SS3								
Sampled By: H. PADHAM on 28-APR-15 @ 13:3									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.328		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	28.5		0.10	%	05-MAY-15			
	pH	7.42		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.14		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	28.3		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	4.7		1.0	mg/L	05-MAY-15			
	Sodium (Na)	3.1		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	3.7		1.0	ug/g	05-MAY-15	*1.3	40	7.5
	Arsenic (As)	17.3		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	186		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	13.9		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	1.43		0.10	ug/g	05-MAY-15	36	2	1.5
	Cadmium (Cd)	1.35		0.50	ug/g	05-MAY-15	*1.2	1.9	*1.2
	Chromium (Cr)	39.8		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	11.4		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	571		1.0	ug/g	05-MAY-15	*92	*230	*140
	Lead (Pb)	650		1.0	ug/g	05-MAY-15	*120	*120	*120
	Mercury (Hg)	0.530		0.0050	ug/g	05-MAY-15	*0.27	3.9	*0.27

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-4	BH16 SS3								
Sampled By: H. PADHAM on 28-APR-15 @ 13:3									
Matrix: SOIL									
<b>Metals</b>									
	Molybdenum (Mo)	4.3		1.0	ug/g	05-MAY-15	*2	40	6.9
	Nickel (Ni)	52.5		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	3.6		1.0	ug/g	05-MAY-15	*1.5	5.5	*2.4
	Silver (Ag)	0.32		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	24.0		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	692		5.0	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	8.1		5.0	ug/g	06-MAY-15	25	55	55
	F2 (C10-C16)	22		10	ug/g	05-MAY-15	*10	230	98
	F2-Naphth	22		10	ug/g	07-MAY-15			
	F3 (C16-C34)	472		50	ug/g	05-MAY-15	*240	1700	*300
	F3-PAH	470		50	ug/g	07-MAY-15			
	F4 (C34-C50)	170		50	ug/g	05-MAY-15	*120	3300	2800
	Total Hydrocarbons (C6-C50)	673		72	ug/g	07-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	81.1		60-140	%	05-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	86.3		60-140	%	06-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	0.241		0.050	ug/g	06-MAY-15	*0.072	21	7.9
	Acenaphthylene	<0.050		0.050	ug/g	06-MAY-15	0.093	0.15	0.15
	Anthracene	0.196		0.050	ug/g	06-MAY-15	*0.16	0.67	0.67
	Benzo(a)anthracene	0.135		0.050	ug/g	06-MAY-15	0.36	0.96	0.5
	Benzo(a)pyrene	0.120		0.050	ug/g	06-MAY-15	0.3	0.3	0.3
	Benzo(b)fluoranthene	0.186		0.050	ug/g	06-MAY-15	0.47	0.96	0.78
	Benzo(g,h,i)perylene	0.080		0.050	ug/g	06-MAY-15	0.68	9.6	6.6
	Benzo(k)fluoranthene	0.059		0.050	ug/g	06-MAY-15	0.48	0.96	0.78
	Chrysene	0.184		0.050	ug/g	06-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.1	0.1	0.1
	Fluoranthene	0.429		0.050	ug/g	06-MAY-15	0.56	9.6	0.69
	Fluorene	0.296		0.050	ug/g	06-MAY-15	*0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.081		0.050	ug/g	06-MAY-15	0.23	0.76	0.38
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-MAY-15	0.59	30	0.99
	1-Methylnaphthalene	0.038		0.030	ug/g	06-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	<0.030		0.030	ug/g	06-MAY-15	0.59	30	0.99
	Naphthalene	0.067		0.050	ug/g	06-MAY-15	0.09	9.6	0.6
	Phenanthrene	0.668		0.050	ug/g	06-MAY-15	0.69	12	6.2
	Pyrene	0.338		0.050	ug/g	06-MAY-15	1	96	78
	Surrogate: 2-Fluorobiphenyl	93.9		50-140	%	06-MAY-15			
	Surrogate: p-Terphenyl d14	97.3		50-140	%	06-MAY-15			
<b>Polychlorinated Biphenyls</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-4	BH16 SS3								
Sampled By: H. PADHAM on 28-APR-15 @ 13:3									
Matrix: SOIL									
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	0.21	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1248	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1254	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1260	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Total PCBs	0.21	DLM	0.20	ug/g	06-MAY-15	0.3	1.1	0.35
	Surrogate: d14-Terphenyl	119.3		60-140	%	06-MAY-15			
L1606356-5	BH16 SS8								
Sampled By: H. PADHAM on 28-APR-15 @ 14:0									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.264		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	48.4		0.10	%	05-MAY-15			
	pH	7.59		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	1.06		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	20.0		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	4.7		1.0	mg/L	05-MAY-15			
	Sodium (Na)	20.4		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<2.0		2.0	ug/g	05-MAY-15	**1.3	40	7.5
	Arsenic (As)	<2.0		2.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	138		10	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<2.0		2.0	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	<100		100	ug/g	05-MAY-15	**36	120	120
	Boron (B), Hot Water Ext.	2.89		0.10	ug/g	05-MAY-15	36	*2	*1.5
	Cadmium (Cd)	1.24		0.50	ug/g	05-MAY-15	*1.2	1.9	*1.2
	Chromium (Cr)	<10		10	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	<2.0		2.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	16		10	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	17		10	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.0081		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	4.0		2.0	ug/g	05-MAY-15	*2	40	6.9
	Nickel (Ni)	<10		10	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<4.0		4.0	ug/g	05-MAY-15	**1.5	5.5	**2.4
	Silver (Ag)	<2.0		2.0	ug/g	05-MAY-15	**0.5	40	20
	Thallium (Tl)	<1.0		1.0	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	1.2		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	<4.0		4.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	2620		40	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	8	8

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-6	BH17 SS3								
Sampled By: H. PADHAM on 29-APR-15 @ 09:00									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.296		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
% Moisture		14.1		0.10	%	05-MAY-15			
pH		7.53		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
SAR		1.32		0.10	SAR	05-MAY-15	2.4	12	5
Calcium (Ca)		21.5		1.0	mg/L	05-MAY-15			
Magnesium (Mg)		1.8		1.0	mg/L	05-MAY-15			
Sodium (Na)		23.7		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
Antimony (Sb)		1.1		1.0	ug/g	05-MAY-15	1.3	40	7.5
Arsenic (As)		8.7		1.0	ug/g	05-MAY-15	18	18	18
Barium (Ba)		82.5		1.0	ug/g	05-MAY-15	220	670	390
Beryllium (Be)		0.55		0.50	ug/g	05-MAY-15	2.5	8	4
Boron (B)		11.5		5.0	ug/g	05-MAY-15	36	120	120
Boron (B), Hot Water Ext.		0.53		0.10	ug/g	05-MAY-15	36	2	1.5
Cadmium (Cd)		1.87		0.50	ug/g	05-MAY-15	*1.2	1.9	*1.2
Chromium (Cr)		16.8		1.0	ug/g	05-MAY-15	70	160	160
Cobalt (Co)		6.9		1.0	ug/g	05-MAY-15	21	80	22
Copper (Cu)		39.5		1.0	ug/g	05-MAY-15	92	230	140
Lead (Pb)		170		1.0	ug/g	05-MAY-15	*120	*120	*120
Mercury (Hg)		0.102		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
Molybdenum (Mo)		1.2		1.0	ug/g	05-MAY-15	2	40	6.9
Nickel (Ni)		18.0		1.0	ug/g	05-MAY-15	82	270	100
Selenium (Se)		<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
Silver (Ag)		<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
Uranium (U)		<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
Vanadium (V)		31.3		1.0	ug/g	05-MAY-15	86	86	86
Zinc (Zn)		697		5.0	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
L1606356-7	BH17 AUGER 10-15								
Sampled By: H. PADHAM on 29-APR-15 @ 10:40									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.599		0.0040	mS/cm	06-MAY-15	*0.57	1.4	0.7
% Moisture		36.4		0.10	%	05-MAY-15			
pH		7.30		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									

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Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-7 BH17 AUGER 10-15									
Sampled By: H. PADHAM on 29-APR-15 @ 10:4									
Matrix: SOIL									
<b>Saturated Paste Extractables</b>									
	SAR	3.00		0.10	SAR	05-MAY-15	*2.4	12	5
	Calcium (Ca)	27.4		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	3.8		1.0	mg/L	05-MAY-15			
	Sodium (Na)	63.3		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	4.9		1.0	ug/g	05-MAY-15	*1.3	40	7.5
	Arsenic (As)	8.0		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	282		1.0	ug/g	05-MAY-15	*220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	29.7		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	2.45		0.10	ug/g	05-MAY-15	36	*2	*1.5
	Cadmium (Cd)	10.5		0.50	ug/g	05-MAY-15	*1.2	*1.9	*1.2
	Chromium (Cr)	31.8		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	6.8		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	519		1.0	ug/g	05-MAY-15	*92	*230	*140
	Lead (Pb)	279		1.0	ug/g	05-MAY-15	*120	*120	*120
	Mercury (Hg)	0.338		0.0050	ug/g	05-MAY-15	*0.27	3.9	*0.27
	Molybdenum (Mo)	3.4		1.0	ug/g	05-MAY-15	*2	40	6.9
	Nickel (Ni)	26.4		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	1.09		0.20	ug/g	05-MAY-15	*0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	23.7		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	601		5.0	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	161	DLM	10	ug/g	06-MAY-15	*25	*55	*55
	F2 (C10-C16)	583	DLA	50	ug/g	05-MAY-15	*10	*230	*98
	F2-Naphth	581		50	ug/g	08-MAY-15			
	F3 (C16-C34)	17100	DLA	250	ug/g	05-MAY-15	*240	*1700	*300
	F3-PAH	17100		250	ug/g	08-MAY-15			
	F4 (C34-C50)	5420	DLA	250	ug/g	05-MAY-15	*120	*3300	*2800
	Total Hydrocarbons (C6-C50)	23300		360	ug/g	08-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	77		60-140	%	05-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	86.9		60-140	%	06-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	1.18		0.050	ug/g	06-MAY-15	*0.072	21	7.9
	Acenaphthylene	0.377		0.050	ug/g	06-MAY-15	*0.093	*0.15	*0.15
	Anthracene	0.677		0.050	ug/g	06-MAY-15	*0.16	*0.67	*0.67
	Benzo(a)anthracene	0.756		0.050	ug/g	06-MAY-15	*0.36	0.96	*0.5
	Benzo(a)pyrene	0.569		0.050	ug/g	06-MAY-15	*0.3	*0.3	*0.3
	Benzo(b)fluoranthene	0.845		0.050	ug/g	06-MAY-15			

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#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-7 BH17 AUGER 10-15									
Sampled By: H. PADHAM on 29-APR-15 @ 10:4									
Matrix: SOIL									
<b>Polycyclic Aromatic Hydrocarbons</b>									
						*0.47	0.96	*0.78	
	Benzo(g,h,i)perylene	0.316		0.050	ug/g	06-MAY-15	0.68	9.6	6.6
	Benzo(k)fluoranthene	0.193		0.050	ug/g	06-MAY-15	0.48	0.96	0.78
	Chrysene	0.676		0.050	ug/g	06-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	0.084		0.050	ug/g	06-MAY-15	0.1	0.1	0.1
	Fluoranthene	1.97		0.050	ug/g	06-MAY-15	*0.56	9.6	*0.69
	Fluorene	1.10		0.050	ug/g	06-MAY-15	*0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.346		0.050	ug/g	06-MAY-15	*0.23	0.76	0.38
	1+2-Methylnaphthalenes	1.79		0.042	ug/g	07-MAY-15	*0.59	30	*0.99
	1-Methylnaphthalene	1.07		0.030	ug/g	06-MAY-15	*0.59	30	*0.99
	2-Methylnaphthalene	0.712		0.030	ug/g	06-MAY-15	*0.59	30	0.99
	Naphthalene	2.26		0.050	ug/g	06-MAY-15	*0.09	9.6	*0.6
	Phenanthrene	2.66		0.050	ug/g	06-MAY-15	*0.69	12	6.2
	Pyrene	1.56		0.050	ug/g	06-MAY-15	*1	96	78
	Surrogate: 2-Fluorobiphenyl	94.8		50-140	%	06-MAY-15			
	Surrogate: p-Terphenyl d14	96.3		50-140	%	06-MAY-15			
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	<0.10	DLA	0.10	ug/g	06-MAY-15			
	Aroclor 1248	<0.10	DLA	0.10	ug/g	06-MAY-15			
	Aroclor 1254	<0.10	DLA	0.10	ug/g	06-MAY-15			
	Aroclor 1260	14.4	DLA	0.10	ug/g	06-MAY-15			
	Total PCBs	14.4	DLA	0.20	ug/g	06-MAY-15	*0.3	*1.1	*0.35
	Surrogate: d14-Terphenyl	106.8		60-140	%	06-MAY-15			
L1606356-8 BH18 SS3									
Sampled By: H. PADHAM on 29-APR-15 @ 13:3									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.353		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	20.4		0.10	%	05-MAY-15			
	pH	7.51		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.50		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	30.3		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	3.2		1.0	mg/L	05-MAY-15			
	Sodium (Na)	10.8		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	1.1		1.0	ug/g	05-MAY-15	1.3	40	7.5
	Arsenic (As)	6.0		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	168		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	15.4		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	1.07		0.10	ug/g	05-MAY-15	36	2	1.5

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**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-8	BH18 SS3								
Sampled By: H. PADHAM on 29-APR-15 @ 13:3									
Matrix: SOIL									
<b>Metals</b>									
	Cadmium (Cd)	0.96		0.50	ug/g	05-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	15.2		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	4.4		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	69.6		1.0	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	120		1.0	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.136		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	1.3		1.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	11.5		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	23.8		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	372		5.0	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
L1606356-9	BH19 SS4/SS5								
Sampled By: H. PADHAM on 30-APR-15 @ 09:3									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.339		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	25.5		0.10	%	05-MAY-15			
	pH	6.60		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.92		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	15.0		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	2.9		1.0	mg/L	05-MAY-15			
	Sodium (Na)	14.8		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<1.0		1.0	ug/g	05-MAY-15	1.3	40	7.5
	Arsenic (As)	3.9		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	69.0		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	13.6		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	7.66		0.10	ug/g	05-MAY-15	36	*2	*1.5
	Cadmium (Cd)	1.09		0.50	ug/g	05-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	9.5		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	3.1		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	22.8		1.0	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	33.1		1.0	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.251		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

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Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-9	BH19 SS4/SS5								
Sampled By: H. PADHAM on 30-APR-15 @ 09:3									
Matrix: SOIL									
<b>Metals</b>									
	Molybdenum (Mo)	<1.0		1.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	7.0		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	13.2		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	463		5.0	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	04-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	5.9		5.0	ug/g	05-MAY-15	25	55	55
	F2 (C10-C16)	<50		50	ug/g	05-MAY-15	**10	230	98
	F2-Naphth	<50		50	ug/g	07-MAY-15			
	F3 (C16-C34)	1380		250	ug/g	05-MAY-15	*240	1700	*300
	F3-PAH	1380		250	ug/g	07-MAY-15			
	F4 (C34-C50)	1320		250	ug/g	05-MAY-15	*120	3300	2800
	Total Hydrocarbons (C6-C50)	2710		360	ug/g	07-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	74		60-140	%	05-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	103.8		60-140	%	05-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.12	DLM	0.12	ug/g	06-MAY-15	**0.072	21	7.9
	Acenaphthylene	<0.10	DLM	0.10	ug/g	06-MAY-15	**0.093	0.15	0.15
	Anthracene	<0.10	DLM	0.10	ug/g	06-MAY-15	0.16	0.67	0.67
	Benzo(a)anthracene	0.28	DLM	0.10	ug/g	06-MAY-15	0.36	0.96	0.5
	Benzo(a)pyrene	0.52	DLM	0.10	ug/g	06-MAY-15	*0.3	*0.3	*0.3
	Benzo(b)fluoranthene	0.22	DLM	0.10	ug/g	06-MAY-15	0.47	0.96	0.78
	Benzo(g,h,i)perylene	0.71	DLM	0.10	ug/g	06-MAY-15	*0.68	9.6	6.6
	Benzo(k)fluoranthene	<0.10	DLM	0.10	ug/g	06-MAY-15	0.48	0.96	0.78
	Chrysene	0.45	DLM	0.10	ug/g	06-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	<0.10	DLM	0.10	ug/g	06-MAY-15	0.1	0.1	0.1
	Fluoranthene	0.19	DLM	0.10	ug/g	06-MAY-15	0.56	9.6	0.69
	Fluorene	0.12	DLM	0.10	ug/g	06-MAY-15	0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.15	DLM	0.10	ug/g	06-MAY-15	0.23	0.76	0.38
	1+2-Methylnaphthalenes	1.14		0.085	ug/g	07-MAY-15	*0.59	30	*0.99
	1-Methylnaphthalene	0.362	DLM	0.060	ug/g	06-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	0.777	DLM	0.060	ug/g	06-MAY-15	*0.59	30	0.99
	Naphthalene	5.48	DLM	0.10	ug/g	06-MAY-15	*0.09	9.6	*0.6
	Phenanthrene	0.47	DLM	0.10	ug/g	06-MAY-15	0.69	12	6.2
	Pyrene	0.35	DLM	0.10	ug/g	06-MAY-15	1	96	78
	Surrogate: 2-Fluorobiphenyl	98.3		50-140	%	06-MAY-15			
	Surrogate: p-Terphenyl d14	97.0		50-140	%	06-MAY-15			
<b>Polychlorinated Biphenyls</b>									

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Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-9	BH19 SS4/SS5								
Sampled By: H. PADHAM on 30-APR-15 @ 09:3									
Matrix: SOIL									
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	0.85	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1248	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1254	<0.10	DLM	0.10	ug/g	06-MAY-15			
	Aroclor 1260	0.50	DLM	0.10	ug/g	06-MAY-15			
	Total PCBs	1.35	DLM	0.20	ug/g	06-MAY-15	*0.3	*1.1	*0.35
	Surrogate: d14-Terphenyl	108.3		60-140	%	06-MAY-15			
L1606356-10	BH19 SS8								
Sampled By: H. PADHAM on 30-APR-15 @ 10:0									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.328		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	12.7		0.10	%	05-MAY-15			
	pH	8.10		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.57		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	18.6		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	7.4		1.0	mg/L	05-MAY-15			
	Sodium (Na)	11.4		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<2.0		2.0	ug/g	05-MAY-15	**1.3	40	7.5
	Arsenic (As)	9.2		2.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	77		10	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<2.0		2.0	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	<100		100	ug/g	05-MAY-15	**36	120	120
	Boron (B), Hot Water Ext.	0.46		0.10	ug/g	05-MAY-15	36	2	1.5
	Cadmium (Cd)	1.95		0.50	ug/g	05-MAY-15	*1.2	*1.9	*1.2
	Chromium (Cr)	17		10	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	7.6		2.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	43		10	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	168		10	ug/g	05-MAY-15	*120	*120	*120
	Mercury (Hg)	0.0229		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	<2.0		2.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	18		10	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<4.0		4.0	ug/g	05-MAY-15	**1.5	5.5	**2.4
	Silver (Ag)	<2.0		2.0	ug/g	05-MAY-15	**0.5	40	20
	Thallium (Tl)	<1.0		1.0	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	31.3		4.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	735		40	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	05-MAY-15	0.66	8	8

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-11	BH20 SS1/SS2								
Sampled By: H. PADHAM on 30-APR-15 @ 12:4									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.323		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
% Moisture		24.6		0.10	%	05-MAY-15			
pH		7.65		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	04-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
SAR		2.23		0.10	SAR	05-MAY-15	2.4	12	5
Calcium (Ca)		13.4		1.0	mg/L	05-MAY-15			
Magnesium (Mg)		1.3		1.0	mg/L	05-MAY-15			
Sodium (Na)		32.0		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
Antimony (Sb)		20.0		1.0	ug/g	05-MAY-15	*1.3	40	*7.5
Arsenic (As)		99.7		1.0	ug/g	05-MAY-15	*18	*18	*18
Barium (Ba)		410		1.0	ug/g	05-MAY-15	*220	670	*390
Beryllium (Be)		1.29		0.50	ug/g	05-MAY-15	2.5	8	4
Boron (B)		12.2		5.0	ug/g	05-MAY-15	36	120	120
Boron (B), Hot Water Ext.		0.76		0.10	ug/g	05-MAY-15	36	2	1.5
Cadmium (Cd)		7.54		0.50	ug/g	05-MAY-15	*1.2	*1.9	*1.2
Chromium (Cr)		40.1		1.0	ug/g	05-MAY-15	70	160	160
Cobalt (Co)		13.4		1.0	ug/g	05-MAY-15	21	80	22
Copper (Cu)		450		1.0	ug/g	05-MAY-15	*92	*230	*140
Lead (Pb)		1740		1.0	ug/g	05-MAY-15	*120	*120	*120
Mercury (Hg)		0.585		0.0050	ug/g	05-MAY-15	*0.27	3.9	*0.27
Molybdenum (Mo)		4.4		1.0	ug/g	05-MAY-15	*2	40	6.9
Nickel (Ni)		54.9		1.0	ug/g	05-MAY-15	82	270	100
Selenium (Se)		2.1		1.0	ug/g	05-MAY-15	*1.5	5.5	2.4
Silver (Ag)		1.14		0.20	ug/g	05-MAY-15	*0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
Uranium (U)		<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
Vanadium (V)		35.7		1.0	ug/g	05-MAY-15	86	86	86
Zinc (Zn)		445		5.0	ug/g	05-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	05-MAY-15	0.66	8	8
L1606356-12	BH21 SS1/SS2								
Sampled By: H. PADHAM on 30-APR-15 @ 17:0									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.189		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
% Moisture		6.79		0.10	%	05-MAY-15			
pH		7.57		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-12	BH21 SS1/SS2								
Sampled By: H. PADHAM on 30-APR-15 @ 17:00									
Matrix: SOIL									
<b>Saturated Paste Extractables</b>									
	SAR	0.30		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	17.0		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	1.9		1.0	mg/L	05-MAY-15			
	Sodium (Na)	4.8		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<1.0		1.0	ug/g	05-MAY-15	1.3	40	7.5
	Arsenic (As)	4.2		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	24.4		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	<5.0		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.14		0.10	ug/g	05-MAY-15	36	2	1.5
	Cadmium (Cd)	<0.50		0.50	ug/g	05-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	10.0		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	2.8		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	14.0		1.0	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	24.2		1.0	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.0106		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	<1.0		1.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	8.7		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	17.1		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	82.5		5.0	ug/g	05-MAY-15	290	340	340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	05-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<5.0		5.0	ug/g	05-MAY-15	25	55	55
	F2 (C10-C16)	<10		10	ug/g	05-MAY-15	10	230	98
	F2-Naphth	<10		10	ug/g	07-MAY-15			
	F3 (C16-C34)	<50		50	ug/g	05-MAY-15	240	1700	300
	F3-PAH	<50		50	ug/g	07-MAY-15			
	F4 (C34-C50)	<50		50	ug/g	05-MAY-15	120	3300	2800
	Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	80.3		60-140	%	05-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	97.8		60-140	%	05-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.050		0.050	ug/g	06-MAY-15	0.072	21	7.9
	Acenaphthylene	0.338		0.050	ug/g	06-MAY-15	*0.093	*0.15	*0.15
	Anthracene	0.055		0.050	ug/g	06-MAY-15	0.16	0.67	0.67
	Benzo(a)anthracene	0.453	R	0.050	ug/g	06-MAY-15	*0.36	0.96	0.5
	Benzo(a)pyrene	0.481		0.050	ug/g	06-MAY-15	*0.3	*0.3	*0.3
	Benzo(b)fluoranthene	0.628		0.050	ug/g	06-MAY-15			

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-12	BH21 SS1/SS2								
Sampled By: H. PADHAM on 30-APR-15 @ 17:00									
Matrix: SOIL									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Benzo(g,h,i)perylene	0.254		0.050	ug/g	06-MAY-15	*0.47	0.96	0.78
	Benzo(k)fluoranthene	0.169		0.050	ug/g	06-MAY-15	0.68	9.6	6.6
	Chrysene	0.492		0.050	ug/g	06-MAY-15	0.48	0.96	0.78
	Dibenzo(ah)anthracene	0.066		0.050	ug/g	06-MAY-15	2.8	9.6	7
	Fluoranthene	0.618		0.050	ug/g	06-MAY-15	0.1	0.1	0.1
	Fluorene	0.054		0.050	ug/g	06-MAY-15	*0.56	9.6	0.69
	Indeno(1,2,3-cd)pyrene	0.264		0.050	ug/g	06-MAY-15	0.12	62	62
	1+2-Methylnaphthalenes	0.142		0.042	ug/g	07-MAY-15	*0.23	0.76	0.38
	1-Methylnaphthalene	0.062		0.030	ug/g	06-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	0.080		0.030	ug/g	06-MAY-15	0.59	30	0.99
	Naphthalene	0.130		0.050	ug/g	06-MAY-15	0.59	30	0.99
	Phenanthrene	0.433		0.050	ug/g	06-MAY-15	*0.09	9.6	0.6
	Pyrene	0.807		0.050	ug/g	06-MAY-15	0.69	12	6.2
	Surrogate: 2-Fluorobiphenyl	67.7		50-140	%	06-MAY-15	1	96	78
	Surrogate: p-Terphenyl d14	67.1		50-140	%	06-MAY-15			
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	<0.010		0.010	ug/g	06-MAY-15			
	Aroclor 1248	<0.010		0.010	ug/g	06-MAY-15			
	Aroclor 1254	<0.010		0.010	ug/g	06-MAY-15			
	Aroclor 1260	<0.010		0.010	ug/g	06-MAY-15			
	Total PCBs	<0.020		0.020	ug/g	06-MAY-15	0.3	1.1	0.35
	Surrogate: d14-Terphenyl	98.4		60-140	%	06-MAY-15			
L1606356-13	BH22 SS2								
Sampled By: H. PADHAM on 01-MAY-15 @ 12:10									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.136		0.0040	mS/cm	06-MAY-15	#1	#2	#3
	% Moisture	17.6		0.10	%	05-MAY-15	0.57	1.4	0.7
	pH	7.38		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	<0.10		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	13.0		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	1.6		1.0	mg/L	05-MAY-15			
	Sodium (Na)	1.3		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	1.1		1.0	ug/g	05-MAY-15	1.3	40	7.5
	Arsenic (As)	6.1		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	41.5		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	<5.0		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.30		0.10	ug/g	05-MAY-15	36	2	1.5

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-13	BH22 SS2								
Sampled By: H. PADHAM on 01-MAY-15 @ 12:1									
Matrix: SOIL									
<b>Metals</b>									
	Cadmium (Cd)	<0.50		0.50	ug/g	05-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	18.9		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	4.9		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	32.7		1.0	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	51.1		1.0	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.0211		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	1.2		1.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	18.8		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	25.9		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	81.2		5.0	ug/g	05-MAY-15	290	340	340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	05-MAY-15	0.66	8	8
L1606356-14	BH22 SS3/SS4								
Sampled By: H. PADHAM on 01-MAY-15 @ 12:5									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.224		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	13.7		0.10	%	05-MAY-15			
	pH	7.49		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.22		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	20.8		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	3.5		1.0	mg/L	05-MAY-15			
	Sodium (Na)	4.2		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	1.0		1.0	ug/g	05-MAY-15	1.3	40	7.5
	Arsenic (As)	6.0		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	33.8		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	6.8		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.47		0.10	ug/g	05-MAY-15	36	2	1.5
	Cadmium (Cd)	<0.50		0.50	ug/g	05-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	17.7		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	3.4		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	39.1		1.0	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	34.3		1.0	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.0247		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-14	BH22 SS3/SS4								
Sampled By: H. PADHAM on 01-MAY-15 @ 12:5									
Matrix: SOIL									
<b>Metals</b>									
	Molybdenum (Mo)	1.8		1.0	ug/g	05-MAY-15	2	40	6.9
	Nickel (Ni)	15.3		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	18.5		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	247		5.0	ug/g	05-MAY-15	290	340	340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	05-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<5.0		5.0	ug/g	05-MAY-15	25	55	55
	F2 (C10-C16)	<10		10	ug/g	05-MAY-15	10	230	98
	F2-Naphth	<10		10	ug/g	07-MAY-15			
	F3 (C16-C34)	<50		50	ug/g	05-MAY-15	240	1700	300
	F3-PAH	<50		50	ug/g	07-MAY-15			
	F4 (C34-C50)	<50		50	ug/g	05-MAY-15	120	3300	2800
	Total Hydrocarbons (C6-C50)	<72		72	ug/g	07-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	05-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	82.1		60-140	%	05-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	93.1		60-140	%	05-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.050		0.050	ug/g	06-MAY-15	0.072	21	7.9
	Acenaphthylene	<0.050		0.050	ug/g	06-MAY-15	0.093	0.15	0.15
	Anthracene	<0.050		0.050	ug/g	06-MAY-15	0.16	0.67	0.67
	Benzo(a)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.36	0.96	0.5
	Benzo(a)pyrene	<0.050		0.050	ug/g	06-MAY-15	0.3	0.3	0.3
	Benzo(b)fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.47	0.96	0.78
	Benzo(g,h,i)perylene	<0.050		0.050	ug/g	06-MAY-15	0.68	9.6	6.6
	Benzo(k)fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.48	0.96	0.78
	Chrysene	<0.050		0.050	ug/g	06-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	06-MAY-15	0.1	0.1	0.1
	Fluoranthene	<0.050		0.050	ug/g	06-MAY-15	0.56	9.6	0.69
	Fluorene	<0.050		0.050	ug/g	06-MAY-15	0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.050		0.050	ug/g	06-MAY-15	0.23	0.76	0.38
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	07-MAY-15	0.59	30	0.99
	1-Methylnaphthalene	<0.030		0.030	ug/g	06-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	<0.030		0.030	ug/g	06-MAY-15	0.59	30	0.99
	Naphthalene	<0.050		0.050	ug/g	06-MAY-15	0.09	9.6	0.6
	Phenanthrene	<0.050		0.050	ug/g	06-MAY-15	0.69	12	6.2
	Pyrene	<0.050		0.050	ug/g	06-MAY-15	1	96	78
	Surrogate: 2-Fluorobiphenyl	89.2		50-140	%	06-MAY-15			
	Surrogate: p-Terphenyl d14	90.0		50-140	%	06-MAY-15			
<b>Polychlorinated Biphenyls</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-14	BH22 SS3/SS4								
Sampled By: H. PADHAM on 01-MAY-15 @ 12:5									
Matrix: SOIL									
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	<0.010		0.010	ug/g	06-MAY-15			
	Aroclor 1248	<0.010		0.010	ug/g	06-MAY-15			
	Aroclor 1254	<0.010		0.010	ug/g	06-MAY-15			
	Aroclor 1260	<0.010		0.010	ug/g	06-MAY-15			
	Total PCBs	<0.020		0.020	ug/g	06-MAY-15	0.3	1.1	0.35
	Surrogate: d14-Terphenyl	103.1		60-140	%	06-MAY-15			
L1606356-15	BH23 SS1/SS2								
Sampled By: H. PADHAM on 01-MAY-15 @ 16:0									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.258		0.0040	mS/cm	06-MAY-15	0.57	1.4	0.7
	% Moisture	18.0		0.10	%	05-MAY-15			
	pH	7.46		0.10	pH units	05-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	ug/g	06-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	<0.10		0.10	SAR	05-MAY-15	2.4	12	5
	Calcium (Ca)	30.0		1.0	mg/L	05-MAY-15			
	Magnesium (Mg)	3.5		1.0	mg/L	05-MAY-15			
	Sodium (Na)	1.1		1.0	mg/L	05-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	1.1		1.0	ug/g	05-MAY-15	1.3	40	7.5
	Arsenic (As)	9.8		1.0	ug/g	05-MAY-15	18	18	18
	Barium (Ba)	104		1.0	ug/g	05-MAY-15	220	670	390
	Beryllium (Be)	0.69		0.50	ug/g	05-MAY-15	2.5	8	4
	Boron (B)	7.6		5.0	ug/g	05-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.30		0.10	ug/g	05-MAY-15	36	2	1.5
	Cadmium (Cd)	<0.50		0.50	ug/g	05-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	28.1		1.0	ug/g	05-MAY-15	70	160	160
	Cobalt (Co)	6.5		1.0	ug/g	05-MAY-15	21	80	22
	Copper (Cu)	68.3		1.0	ug/g	05-MAY-15	92	230	140
	Lead (Pb)	54.1		1.0	ug/g	05-MAY-15	120	120	120
	Mercury (Hg)	0.0661		0.0050	ug/g	05-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	2.3		1.0	ug/g	05-MAY-15	*2	40	6.9
	Nickel (Ni)	27.1		1.0	ug/g	05-MAY-15	82	270	100
	Selenium (Se)	1.2		1.0	ug/g	05-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	05-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	05-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	05-MAY-15	2.5	33	23
	Vanadium (V)	31.3		1.0	ug/g	05-MAY-15	86	86	86
	Zinc (Zn)	129		5.0	ug/g	05-MAY-15	290	340	340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	05-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1606356-15 BH23 SS1/SS2									
Sampled By: H. PADHAM on 01-MAY-15 @ 16:00									
Matrix: SOIL									
<b>Hydrocarbons</b>									
F1 (C6-C10)		<5.0		5.0	ug/g	05-MAY-15	25	55	55
F2 (C10-C16)		<10		10	ug/g	05-MAY-15	10	230	98
F2-Naphth		<10		10	ug/g	06-MAY-15			
F3 (C16-C34)		<50		50	ug/g	05-MAY-15	240	1700	300
F3-PAH		<50		50	ug/g	06-MAY-15			
F4 (C34-C50)		<50		50	ug/g	05-MAY-15	120	3300	2800
Total Hydrocarbons (C6-C50)		<72		72	ug/g	06-MAY-15			
Chrom. to baseline at nC50		YES			No Unit	05-MAY-15			
Surrogate: 2-Bromobenzotrifluoride		83.1		60-140	%	05-MAY-15			
Surrogate: 3,4-Dichlorotoluene		95.3		60-140	%	05-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
Acenaphthene		0.053		0.050	ug/g	06-MAY-15	0.072	21	7.9
Acenaphthylene		<0.050		0.050	ug/g	06-MAY-15	0.093	0.15	0.15
Anthracene		<0.050		0.050	ug/g	06-MAY-15	0.16	0.67	0.67
Benzo(a)anthracene		0.455		0.050	ug/g	06-MAY-15	*0.36	0.96	0.5
Benzo(a)pyrene		0.527		0.050	ug/g	06-MAY-15	*0.3	*0.3	*0.3
Benzo(b)fluoranthene		1.23		0.050	ug/g	06-MAY-15	*0.47	*0.96	*0.78
Benzo(g,h,i)perylene		0.379		0.050	ug/g	06-MAY-15	0.68	9.6	6.6
Benzo(k)fluoranthene		0.360		0.050	ug/g	06-MAY-15	0.48	0.96	0.78
Chrysene		0.654		0.050	ug/g	06-MAY-15	2.8	9.6	7
Dibenzo(ah)anthracene		0.153		0.050	ug/g	06-MAY-15	*0.1	*0.1	*0.1
Fluoranthene		0.513		0.050	ug/g	06-MAY-15	0.56	9.6	0.69
Fluorene		<0.050		0.050	ug/g	06-MAY-15	0.12	62	62
Indeno(1,2,3-cd)pyrene		0.452		0.050	ug/g	06-MAY-15	*0.23	0.76	*0.38
1+2-Methylnaphthalenes		0.099		0.042	ug/g	06-MAY-15	0.59	30	0.99
1-Methylnaphthalene		0.044		0.030	ug/g	06-MAY-15	0.59	30	0.99
2-Methylnaphthalene		0.055		0.030	ug/g	06-MAY-15	0.59	30	0.99
Naphthalene		<0.050		0.050	ug/g	06-MAY-15	0.09	9.6	0.6
Phenanthrene		0.291		0.050	ug/g	06-MAY-15	0.69	12	6.2
Pyrene		0.428		0.050	ug/g	06-MAY-15	1	96	78
Surrogate: 2-Fluorobiphenyl		102.0		50-140	%	06-MAY-15			
Surrogate: p-Terphenyl d14		97.5		50-140	%	06-MAY-15			
<b>Polychlorinated Biphenyls</b>									
Aroclor 1242		<0.010		0.010	ug/g	06-MAY-15			
Aroclor 1248		<0.010		0.010	ug/g	06-MAY-15			
Aroclor 1254		<0.010		0.010	ug/g	06-MAY-15			
Aroclor 1260		<0.010		0.010	ug/g	06-MAY-15			
Total PCBs		<0.020		0.020	ug/g	06-MAY-15	0.3	1.1	0.35
Surrogate: d14-Terphenyl		108.1		60-140	%	06-MAY-15			

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

## Reference Information

**Sample Parameter Qualifier key listed:**

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
G	QC result did not meet ALS DQO. Refer to narrative comments for further information.
DLA	Detection Limit adjusted for required dilution

**Methods Listed (if applicable):**

ALS Test Code	Matrix	Test Description	Method Reference***
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-R511-WT	Soil	Cyanide (WAD)-O.Reg 153/04 (July 2011)	MOE 3015/APHA 4500CN I-WAD
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The sample is extracted with a strong base for 16 hours, and then filtered. The filtrate is then distilled where the cyanide is converted to cyanogen chloride by reacting with chloramine-T, the cyanogen chloride then reacts with a combination of barbituric acid and isonicotinic acid to form a highly colored complex.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199
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This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-R511-WT	Soil	Conductivity-O.Reg 153/04 (July 2011)	MOEE E3138
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A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC DEC-2000 - PUB# 1310-S
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

## Reference Information

F1-HS-511-WT      Soil      F1-O.Reg 153/04 (July 2011)      E3398/CCME TIER 1-HS

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT      Soil      F2-F4-O.Reg 153/04 (July 2011)      MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-200.2-CVAA-WT      Soil      Mercury in Soil by CVAAS      EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT      Soil      Metals in Soil by CRC ICPMS      EPA 200.2/6020A (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CRC ICPMS.

Method Limitation: This method is not a total digestion technique. It is a very strong acid digestion that is intended to dissolve those metals that may be environmentally available. This method does not dissolve all silicate materials and may result in a partial extraction, depending on the sample matrix, for some metals, including, but not limited to Al, Ba, Be, Cr, Sr, Ti, Tl, and V.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT      Soil      ABN-Calculated Parameters      SW846 8270

MOISTURE-WT      Soil      % Moisture      Gravimetric: Oven Dried

PAH-511-WT      Soil      PAH-O.Reg 153/04 (July 2011)      SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PCB-511-WT      Soil      PCB-O.Reg 153/04 (July 2011)      SW846 3510/8082

An aliquot of a solid sample is extracted with a solvent, extract is cleaned up and analyzed on the GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

PH-R511-WT      Soil      pH-O.Reg 153/04 (July 2011)      MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT      Soil      SAR-O.Reg 153/04 (July 2011)      SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

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\*\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

14-458227

14-458241

*The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:*

## Reference Information

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*

*Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.*



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>B-HWS-R511-WT</b>		<b>Soil</b>						
<b>Batch R3185110</b>								
<b>WG2082042-3</b>	<b>DUP</b>	<b>L1606345-5</b>						
Boron (B), Hot Water Ext.		0.48	0.47		ug/g	1.4	40	05-MAY-15
<b>WG2082042-2</b>	<b>IRM</b>	<b>SALINITY_SOIL4</b>						
Boron (B), Hot Water Ext.			77.5		%		70-130	05-MAY-15
<b>WG2082042-1</b>	<b>MB</b>							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	05-MAY-15
<b>WG2082042-4</b>	<b>MS</b>	<b>L1606345-5</b>						
Boron (B), Hot Water Ext.			86.8		%		60-140	05-MAY-15
<b>Batch R3185112</b>								
<b>WG2082043-3</b>	<b>DUP</b>	<b>L1606345-10</b>						
Boron (B), Hot Water Ext.		0.42	0.39		ug/g	6.9	40	05-MAY-15
<b>WG2082043-2</b>	<b>IRM</b>	<b>SALINITY_SOIL4</b>						
Boron (B), Hot Water Ext.			79.9		%		70-130	05-MAY-15
<b>WG2082043-1</b>	<b>MB</b>							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	05-MAY-15
<b>WG2082043-4</b>	<b>MS</b>	<b>L1606345-10</b>						
Boron (B), Hot Water Ext.			84.6		%		60-140	05-MAY-15
<b>CN-WAD-R511-WT</b>		<b>Soil</b>						
<b>Batch R3184582</b>								
<b>WG2081046-3</b>	<b>DUP</b>	<b>L1606241-1</b>						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	04-MAY-15
<b>WG2081046-2</b>	<b>LCS</b>							
Cyanide, Weak Acid Diss			97.5		%		80-120	04-MAY-15
<b>WG2081046-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	04-MAY-15
<b>WG2081046-4</b>	<b>MS</b>	<b>L1606241-1</b>						
Cyanide, Weak Acid Diss			100.6		%		70-130	04-MAY-15
<b>Batch R3185968</b>								
<b>WG2081457-3</b>	<b>DUP</b>	<b>L1606356-12</b>						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	ug/g	N/A	35	06-MAY-15
<b>WG2081457-2</b>	<b>LCS</b>							
Cyanide, Weak Acid Diss			96.8		%		80-120	06-MAY-15
<b>WG2081457-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<0.050		ug/g		0.05	06-MAY-15
<b>WG2081457-4</b>	<b>MS</b>	<b>L1606356-12</b>						
Cyanide, Weak Acid Diss			96.8		%		70-130	06-MAY-15
<b>CR-CR6-IC-WT</b>		<b>Soil</b>						



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>CR-CR6-IC-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3184515</b>							
<b>WG2081042-4</b>	<b>CRM</b>	<b>WT-SQC012</b>						
Chromium, Hexavalent			87.5		%		70-130	04-MAY-15
<b>WG2081042-3</b>	<b>DUP</b>	<b>L1606241-1</b>						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	04-MAY-15
<b>WG2081042-2</b>	<b>LCS</b>							
Chromium, Hexavalent			98.9		%		80-120	04-MAY-15
<b>WG2081042-1</b>	<b>MB</b>							
Chromium, Hexavalent			<0.20		ug/g		0.2	04-MAY-15
<b>Batch</b>		<b>R3185258</b>						
<b>WG2081454-3</b>	<b>CRM</b>	<b>WT-SQC012</b>						
Chromium, Hexavalent			82.1		%		70-130	05-MAY-15
<b>WG2081454-4</b>	<b>DUP</b>	<b>L1606356-10</b>						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	05-MAY-15
<b>WG2081454-2</b>	<b>LCS</b>							
Chromium, Hexavalent			91.8		%		80-120	05-MAY-15
<b>WG2081454-1</b>	<b>MB</b>							
Chromium, Hexavalent			<0.20		ug/g		0.2	05-MAY-15
<b>EC-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185364</b>							
<b>WG2082044-4</b>	<b>DUP</b>	<b>WG2082044-3</b>						
Conductivity		0.160	0.166		mS/cm	3.7	20	06-MAY-15
Conductivity		0.160	0.166		mS/cm	3.7	20	06-MAY-15
<b>WG2082045-4</b>	<b>DUP</b>	<b>WG2082045-3</b>						
Conductivity		0.136	0.148		mS/cm	8.5	20	06-MAY-15
<b>WG2083087-1</b>	<b>LCS</b>							
Conductivity			101.9		%		90-110	06-MAY-15
<b>WG2083087-2</b>	<b>LCS</b>							
Conductivity			100.7		%		90-110	06-MAY-15
<b>WG2083087-3</b>	<b>LCS</b>							
Conductivity			96.8		%		90-110	06-MAY-15
<b>WG2082044-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	06-MAY-15
<b>WG2082045-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	06-MAY-15

**F1-HS-511-WT**      **Soil**





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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F1-HS-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3184636</b>							
<b>WG2081540-3</b>	<b>DUP</b>	<b>WG2081540-5</b>						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	50	05-MAY-15
<b>WG2081540-2</b>	<b>LCS</b>							
F1 (C6-C10)			104.1		%		80-120	05-MAY-15
<b>WG2081540-1</b>	<b>MB</b>							
F1 (C6-C10)			<5.0		ug/g		5	05-MAY-15
<b>WG2081540-7</b>	<b>MS</b>	<b>WG2081540-6</b>						
F1 (C6-C10)			101.2		%		60-140	06-MAY-15
<b>F2-F4-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3184649</b>							
<b>WG2081001-3</b>	<b>CRM</b>	<b>ALS PHC2 IRM</b>						
F2 (C10-C16)			73.3		%		70-130	05-MAY-15
F3 (C16-C34)			81.3		%		70-130	05-MAY-15
F4 (C34-C50)			77.9		%		70-130	05-MAY-15
<b>WG2081821-1</b>	<b>CVS</b>							
F2 (C10-C16)			107.6		%		80-120	05-MAY-15
F3 (C16-C34)			109.2		%		80-120	05-MAY-15
F4 (C34-C50)			114.7		%		80-120	05-MAY-15
<b>WG2081821-2</b>	<b>CVS</b>							
F2 (C10-C16)			105.7		%		80-120	05-MAY-15
F3 (C16-C34)			106.8		%		80-120	05-MAY-15
F4 (C34-C50)			112.1		%		80-120	05-MAY-15
<b>WG2081001-5</b>	<b>DUP</b>	<b>WG2081001-4</b>						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	05-MAY-15
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	05-MAY-15
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	05-MAY-15
<b>WG2081001-2</b>	<b>LCS</b>							
F2 (C10-C16)			95.3		%		80-120	05-MAY-15
F3 (C16-C34)			99.2		%		80-120	05-MAY-15
F4 (C34-C50)			98.0		%		80-120	05-MAY-15
<b>WG2081001-1</b>	<b>MB</b>							
F2 (C10-C16)			<10		ug/g		10	05-MAY-15
F3 (C16-C34)			<50		ug/g		50	05-MAY-15
F4 (C34-C50)			<50		ug/g		50	05-MAY-15
Surrogate: 2-Bromobenzotrifluoride			78.1		%		60-140	05-MAY-15
<b>HG-200.2-CVAA-WT</b>	<b>Soil</b>							



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>HG-200.2-CVAA-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3184664</b>							
<b>WG2082046-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Mercury (Hg)			85.2		%		70-130	05-MAY-15
<b>WG2082046-6</b>	<b>DUP</b>	<b>WG2082046-5</b>						
Mercury (Hg)		1.30	1.16		ug/g	11	40	05-MAY-15
<b>WG2082046-4</b>	<b>LCS</b>							
Mercury (Hg)			98.0		%		80-120	05-MAY-15
<b>WG2082046-1</b>	<b>MB</b>							
Mercury (Hg)			<0.0050		mg/kg		0.005	05-MAY-15
<b>Batch</b>	<b>R3184666</b>							
<b>WG2082047-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Mercury (Hg)			81.1		%		70-130	05-MAY-15
<b>WG2082047-6</b>	<b>DUP</b>	<b>L1606356-2</b>						
Mercury (Hg)		0.110	0.100		ug/g	9.7	40	05-MAY-15
<b>WG2082047-4</b>	<b>LCS</b>							
Mercury (Hg)			98.0		%		80-120	05-MAY-15
<b>WG2082047-1</b>	<b>MB</b>							
Mercury (Hg)			<0.0050		mg/kg		0.005	05-MAY-15
<b>MET-200.2-CCMS-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185215</b>							
<b>WG2082046-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Antimony (Sb)			100.1		%		70-130	05-MAY-15
Arsenic (As)			104.6		%		70-130	05-MAY-15
Barium (Ba)			103.0		%		70-130	05-MAY-15
Beryllium (Be)			94.3		%		70-130	05-MAY-15
Cadmium (Cd)			102.9		%		70-130	05-MAY-15
Chromium (Cr)			109.0		%		70-130	05-MAY-15
Cobalt (Co)			103.4		%		70-130	05-MAY-15
Copper (Cu)			98.4		%		70-130	05-MAY-15
Lead (Pb)			95.6		%		70-130	05-MAY-15
Molybdenum (Mo)			99.7		%		70-130	05-MAY-15
Nickel (Ni)			103.1		%		70-130	05-MAY-15
Selenium (Se)			96.8		%		70-130	05-MAY-15
Silver (Ag)			97.2		%		70-130	05-MAY-15
Thallium (Tl)			101.1		%		70-130	05-MAY-15
Uranium (U)			114.0		%		70-130	05-MAY-15
Vanadium (V)			112.4		%		70-130	05-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185215</b>							
<b>WG2082046-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Zinc (Zn)			102.3		%		70-130	05-MAY-15
<b>WG2082046-6</b>	<b>DUP</b>	<b>WG2082046-5</b>						
Antimony (Sb)		3.7	3.66		ug/g	1.6	30	05-MAY-15
Arsenic (As)		10.3	10.8		ug/g	4.3	30	05-MAY-15
Barium (Ba)		323	316		ug/g	2.1	40	05-MAY-15
Beryllium (Be)		0.70	0.74		ug/g	4.6	30	05-MAY-15
Boron (B)		11.4	11.9		ug/g	3.8	30	05-MAY-15
Cadmium (Cd)		3.02	3.04		ug/g	0.8	30	05-MAY-15
Chromium (Cr)		69.8	63.2		ug/g	9.9	30	05-MAY-15
Cobalt (Co)		10.9	11.7		ug/g	6.5	30	05-MAY-15
Copper (Cu)		181	151		ug/g	18	30	05-MAY-15
Lead (Pb)		288	260		ug/g	10	40	05-MAY-15
Molybdenum (Mo)		5.9	6.04		ug/g	2.4	40	05-MAY-15
Nickel (Ni)		37.9	40.0		ug/g	5.3	30	05-MAY-15
Selenium (Se)		2.1	2.19		ug/g	5.8	30	05-MAY-15
Silver (Ag)		1.19	1.18		ug/g	0.4	40	05-MAY-15
Thallium (Tl)		<0.50	0.284		ug/g	3.4	30	05-MAY-15
Uranium (U)		<1.0	0.790		ug/g	3.8	30	05-MAY-15
Vanadium (V)		33.2	36.4		ug/g	9.0	30	05-MAY-15
Zinc (Zn)		620	607		ug/g	2.0	30	05-MAY-15
<b>WG2082046-3</b>	<b>LCS</b>							
Antimony (Sb)			103.8		%		80-120	05-MAY-15
Arsenic (As)			99.4		%		80-120	05-MAY-15
Barium (Ba)			97.8		%		80-120	05-MAY-15
Beryllium (Be)			94.4		%		80-120	05-MAY-15
Boron (B)			97.8		%		80-120	05-MAY-15
Cadmium (Cd)			96.7		%		80-120	05-MAY-15
Chromium (Cr)			97.3		%		80-120	05-MAY-15
Cobalt (Co)			97.4		%		80-120	05-MAY-15
Copper (Cu)			95.5		%		80-120	05-MAY-15
Lead (Pb)			101.4		%		80-120	05-MAY-15
Molybdenum (Mo)			96.9		%		80-120	05-MAY-15
Nickel (Ni)			96.2		%		80-120	05-MAY-15



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900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185215</b>							
<b>WG2082046-3</b>	<b>LCS</b>							
Selenium (Se)			99.3		%		80-120	05-MAY-15
Silver (Ag)			94.1		%		80-120	05-MAY-15
Thallium (Tl)			97.9		%		80-120	05-MAY-15
Uranium (U)			96.5		%		80-120	05-MAY-15
Vanadium (V)			100.1		%		80-120	05-MAY-15
Zinc (Zn)			93.0		%		80-120	05-MAY-15
<b>WG2082046-1</b>	<b>MB</b>							
Antimony (Sb)			<0.10		mg/kg		0.1	05-MAY-15
Arsenic (As)			<0.10		mg/kg		0.1	05-MAY-15
Barium (Ba)			<0.50		mg/kg		0.5	05-MAY-15
Beryllium (Be)			<0.10		mg/kg		0.1	05-MAY-15
Boron (B)			<5.0		mg/kg		5	05-MAY-15
Cadmium (Cd)			<0.020		mg/kg		0.02	05-MAY-15
Chromium (Cr)			<0.50		mg/kg		0.5	05-MAY-15
Cobalt (Co)			<0.10		mg/kg		0.1	05-MAY-15
Copper (Cu)			<0.50		mg/kg		0.5	05-MAY-15
Lead (Pb)			<0.50		mg/kg		0.5	05-MAY-15
Molybdenum (Mo)			<0.10		mg/kg		0.1	05-MAY-15
Nickel (Ni)			<0.50		mg/kg		0.5	05-MAY-15
Selenium (Se)			<0.20		mg/kg		0.2	05-MAY-15
Silver (Ag)			<0.10		mg/kg		0.1	05-MAY-15
Thallium (Tl)			<0.050		mg/kg		0.05	05-MAY-15
Uranium (U)			<0.050		mg/kg		0.05	05-MAY-15
Vanadium (V)			<0.20		mg/kg		0.2	05-MAY-15
Zinc (Zn)			<2.0		mg/kg		2	05-MAY-15
<b>Batch</b>	<b>R3185483</b>							
<b>WG2082047-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Antimony (Sb)			98.8		%		70-130	05-MAY-15
Arsenic (As)			117.7		%		70-130	05-MAY-15
Barium (Ba)			123.8		%		70-130	05-MAY-15
Beryllium (Be)			98.6		%		70-130	05-MAY-15
Cadmium (Cd)			108.9		%		70-130	05-MAY-15
Chromium (Cr)			123.8		%		70-130	05-MAY-15
Cobalt (Co)			115.3		%		70-130	05-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
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CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
<b>Soil</b>								
<b>Batch R3185483</b>								
<b>WG2082047-2 CRM</b>								
<b>WT-CANMET-TILL1</b>								
Copper (Cu)			109.9		%		70-130	05-MAY-15
Lead (Pb)			100.5		%		70-130	05-MAY-15
Molybdenum (Mo)			100.4		%		70-130	05-MAY-15
Nickel (Ni)			115.0		%		70-130	05-MAY-15
Selenium (Se)			113.3		%		70-130	05-MAY-15
Silver (Ag)			102.1		%		70-130	05-MAY-15
Thallium (Tl)			111.2		%		70-130	05-MAY-15
Uranium (U)			115.8		%		70-130	05-MAY-15
Vanadium (V)			126.0		%		70-130	05-MAY-15
Zinc (Zn)			114.6		%		70-130	05-MAY-15
<b>WG2082047-6 DUP</b>								
<b>L1606356-2</b>								
Antimony (Sb)		<1.0	0.64		ug/g	1.9	30	05-MAY-15
Arsenic (As)		5.0	4.85		ug/g	3.5	30	05-MAY-15
Barium (Ba)		68.7	72.1		ug/g	4.9	40	05-MAY-15
Beryllium (Be)		<0.50	0.39		ug/g	16	30	05-MAY-15
Boron (B)		7.8	8.4		ug/g	7.6	30	05-MAY-15
Cadmium (Cd)		0.72	0.673		ug/g	6.4	30	05-MAY-15
Chromium (Cr)		16.4	15.5		ug/g	5.4	30	05-MAY-15
Cobalt (Co)		4.7	4.55		ug/g	3.3	30	05-MAY-15
Copper (Cu)		30.2	27.7		ug/g	8.6	30	05-MAY-15
Lead (Pb)		94.5	97.1		ug/g	2.7	40	05-MAY-15
Molybdenum (Mo)		<1.0	0.74		ug/g	10	40	05-MAY-15
Nickel (Ni)		11.0	10.7		ug/g	3.2	30	05-MAY-15
Selenium (Se)		<1.0	0.45		ug/g	22	30	05-MAY-15
Silver (Ag)		<0.20	<0.10	RPD-NA	ug/g	N/A	40	05-MAY-15
Thallium (Tl)		<0.50	0.097		ug/g	3.2	30	05-MAY-15
Uranium (U)		<1.0	0.482		ug/g	8.1	30	05-MAY-15
Vanadium (V)		25.4	24.9		ug/g	1.9	30	05-MAY-15
Zinc (Zn)		206	202		ug/g	2.0	30	05-MAY-15
<b>WG2082047-3 LCS</b>								
Antimony (Sb)			102.3		%		80-120	05-MAY-15
Arsenic (As)			106.4		%		80-120	05-MAY-15
Barium (Ba)			100.8		%		80-120	05-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185483</b>							
<b>WG2082047-3</b>	<b>LCS</b>							
Beryllium (Be)			91.1		%		80-120	05-MAY-15
Boron (B)			95.4		%		80-120	05-MAY-15
Cadmium (Cd)			100.3		%		80-120	05-MAY-15
Chromium (Cr)			102.2		%		80-120	05-MAY-15
Cobalt (Co)			103.2		%		80-120	05-MAY-15
Copper (Cu)			102.2		%		80-120	05-MAY-15
Lead (Pb)			106.3		%		80-120	05-MAY-15
Molybdenum (Mo)			100.3		%		80-120	05-MAY-15
Nickel (Ni)			103.2		%		80-120	05-MAY-15
Selenium (Se)			108.1		%		80-120	05-MAY-15
Silver (Ag)			94.7		%		80-120	05-MAY-15
Thallium (Tl)			106.5		%		80-120	05-MAY-15
Uranium (U)			99.7		%		80-120	05-MAY-15
Vanadium (V)			105.0		%		80-120	05-MAY-15
Zinc (Zn)			97.6		%		80-120	05-MAY-15
<b>WG2082047-1</b>	<b>MB</b>							
Antimony (Sb)			<0.10		mg/kg		0.1	05-MAY-15
Arsenic (As)			<0.10		mg/kg		0.1	05-MAY-15
Barium (Ba)			<0.50		mg/kg		0.5	05-MAY-15
Beryllium (Be)			<0.10		mg/kg		0.1	05-MAY-15
Boron (B)			<5.0		mg/kg		5	05-MAY-15
Cadmium (Cd)			<0.020		mg/kg		0.02	05-MAY-15
Chromium (Cr)			<0.50		mg/kg		0.5	05-MAY-15
Cobalt (Co)			<0.10		mg/kg		0.1	05-MAY-15
Copper (Cu)			<0.50		mg/kg		0.5	05-MAY-15
Lead (Pb)			<0.50		mg/kg		0.5	05-MAY-15
Molybdenum (Mo)			<0.10		mg/kg		0.1	05-MAY-15
Nickel (Ni)			<0.50		mg/kg		0.5	05-MAY-15
Selenium (Se)			<0.20		mg/kg		0.2	05-MAY-15
Silver (Ag)			<0.10		mg/kg		0.1	05-MAY-15
Thallium (Tl)			<0.050		mg/kg		0.05	05-MAY-15
Uranium (U)			<0.050		mg/kg		0.05	05-MAY-15
Vanadium (V)			<0.20		mg/kg		0.2	05-MAY-15
Zinc (Zn)			<2.0		mg/kg		2	05-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MOISTURE-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3184161</b>							
<b>WG2081452-3</b>	<b>DUP</b>	<b>L1606351-1</b>						
% Moisture		16.0	15.2		%	5.1	20	05-MAY-15
<b>WG2081452-2</b>	<b>LCS</b>							
% Moisture			97.8		%		70-130	05-MAY-15
<b>WG2081452-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	05-MAY-15
<b>Batch</b>	<b>R3184172</b>							
<b>WG2081480-3</b>	<b>DUP</b>	<b>L1605709-1</b>						
% Moisture		40.7	40.7		%	0.1	20	05-MAY-15
<b>WG2081480-2</b>	<b>LCS</b>							
% Moisture			98.5		%		70-130	05-MAY-15
<b>WG2081480-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	05-MAY-15
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185312</b>							
<b>WG2082391-1</b>	<b>CVS</b>							
1-Methylnaphthalene			94.0		%		50-140	05-MAY-15
2-Methylnaphthalene			94.9		%		50-140	05-MAY-15
Acenaphthene			96.4		%		50-140	05-MAY-15
Acenaphthylene			95.7		%		50-140	05-MAY-15
Anthracene			97.8		%		50-140	05-MAY-15
Benzo(a)anthracene			95.9		%		50-140	05-MAY-15
Benzo(a)pyrene			101.2		%		50-140	05-MAY-15
Benzo(b)fluoranthene			100.6		%		50-140	05-MAY-15
Benzo(g,h,i)perylene			100.4		%		50-140	05-MAY-15
Benzo(k)fluoranthene			91.8		%		50-140	05-MAY-15
Chrysene			100.5		%		50-140	05-MAY-15
Dibenzo(ah)anthracene			100.2		%		50-140	05-MAY-15
Fluoranthene			97.0		%		50-140	05-MAY-15
Fluorene			96.9		%		50-140	05-MAY-15
Indeno(1,2,3-cd)pyrene			97.9		%		50-140	05-MAY-15
Naphthalene			96.6		%		50-140	05-MAY-15
Phenanthrene			99.1		%		50-140	05-MAY-15
Pyrene			102.9		%		50-140	05-MAY-15
<b>WG2082391-2</b>	<b>CVS</b>							
1-Methylnaphthalene			94.1		%		50-140	07-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3185312</b>							
<b>WG2082391-2</b>	<b>CVS</b>							
2-Methylnaphthalene			95.0		%		50-140	07-MAY-15
Acenaphthene			96.1		%		50-140	07-MAY-15
Acenaphthylene			96.7		%		50-140	07-MAY-15
Anthracene			99.8		%		50-140	07-MAY-15
Benzo(a)anthracene			97.9		%		50-140	07-MAY-15
Benzo(a)pyrene			99.1		%		50-140	07-MAY-15
Benzo(b)fluoranthene			90.4		%		50-140	07-MAY-15
Benzo(g,h,i)perylene			98.6		%		50-140	07-MAY-15
Benzo(k)fluoranthene			102.1		%		50-140	07-MAY-15
Chrysene			100.9		%		50-140	07-MAY-15
Dibenzo(ah)anthracene			98.1		%		50-140	07-MAY-15
Fluoranthene			96.2		%		50-140	07-MAY-15
Fluorene			96.6		%		50-140	07-MAY-15
Indeno(1,2,3-cd)pyrene			98.1		%		50-140	07-MAY-15
Naphthalene			96.4		%		50-140	07-MAY-15
Phenanthrene			98.6		%		50-140	07-MAY-15
Pyrene			102.6		%		50-140	07-MAY-15
<b>WG2081002-8</b>	<b>DUP</b>	<b>WG2081002-7</b>						
1-Methylnaphthalene		0.385	0.397		ug/g	3.2	40	07-MAY-15
2-Methylnaphthalene		0.101	0.109		ug/g	8.1	40	07-MAY-15
Acenaphthene		0.124	0.128		ug/g	3.1	40	07-MAY-15
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-MAY-15
Anthracene		0.066	0.077		ug/g	16	40	07-MAY-15
Benzo(a)anthracene		0.126	0.134		ug/g	5.9	40	07-MAY-15
Benzo(a)pyrene		0.152	0.174		ug/g	14	40	07-MAY-15
Benzo(b)fluoranthene		0.225	0.256		ug/g	13	40	07-MAY-15
Benzo(g,h,i)perylene		0.539	0.623		ug/g	14	40	07-MAY-15
Benzo(k)fluoranthene		0.060	0.068		ug/g	13	40	07-MAY-15
Chrysene		0.113	0.101		ug/g	12	40	07-MAY-15
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-MAY-15
Fluoranthene		0.252	0.260		ug/g	3.1	40	07-MAY-15
Fluorene		0.098	0.102		ug/g	3.7	40	07-MAY-15
Indeno(1,2,3-cd)pyrene		0.253	0.304		ug/g	18	40	07-MAY-15





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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185312</b>							
<b>WG2081002-8</b>	<b>DUP</b>	<b>WG2081002-7</b>						
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	07-MAY-15
Phenanthrene		0.211	0.234		ug/g	10	40	07-MAY-15
Pyrene		0.659	0.710		ug/g	7.4	40	07-MAY-15
<b>WG2081002-3</b>	<b>IRM</b>	<b>ALS PAH1 RM</b>						
1-Methylnaphthalene			83.3		%		50-140	06-MAY-15
2-Methylnaphthalene			91.1		%		50-140	06-MAY-15
Acenaphthene			67.8		%		50-140	06-MAY-15
Acenaphthylene			98.3		%		50-140	06-MAY-15
Anthracene			69.4		%		50-140	06-MAY-15
Benzo(a)anthracene			101.3		%		50-140	06-MAY-15
Benzo(a)pyrene			88.7		%		50-140	06-MAY-15
Benzo(b)fluoranthene			96.8		%		50-140	06-MAY-15
Benzo(g,h,i)perylene			98.4		%		50-140	06-MAY-15
Benzo(k)fluoranthene			87.9		%		50-140	06-MAY-15
Chrysene			102.6		%		50-140	06-MAY-15
Dibenzo(ah)anthracene			118.0		%		50-140	06-MAY-15
Fluoranthene			102.2		%		50-140	06-MAY-15
Fluorene			68.2		%		50-140	06-MAY-15
Indeno(1,2,3-cd)pyrene			94.5		%		50-140	06-MAY-15
Naphthalene			89.9		%		50-140	06-MAY-15
Phenanthrene			94.9		%		50-140	06-MAY-15
Pyrene			100.2		%		50-140	06-MAY-15
<b>WG2081002-2</b>	<b>LCS</b>							
1-Methylnaphthalene			81.2		%		50-140	06-MAY-15
2-Methylnaphthalene			81.5		%		50-140	06-MAY-15
Acenaphthene			83.6		%		50-140	06-MAY-15
Acenaphthylene			84.0		%		50-140	06-MAY-15
Anthracene			82.4		%		50-140	06-MAY-15
Benzo(a)anthracene			83.5		%		50-140	06-MAY-15
Benzo(a)pyrene			84.1		%		50-140	06-MAY-15
Benzo(b)fluoranthene			87.3		%		50-140	06-MAY-15
Benzo(g,h,i)perylene			83.9		%		50-140	06-MAY-15
Benzo(k)fluoranthene			72.7		%		50-140	06-MAY-15
Chrysene			86.7		%		50-140	06-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch R3185312</b>								
<b>WG2081002-2 LCS</b>								
Dibenzo(ah)anthracene			82.1		%		50-140	06-MAY-15
Fluoranthene			83.7		%		50-140	06-MAY-15
Fluorene			84.4		%		50-140	06-MAY-15
Indeno(1,2,3-cd)pyrene			85.8		%		50-140	06-MAY-15
Naphthalene			82.5		%		50-140	06-MAY-15
Phenanthrene			84.5		%		50-140	06-MAY-15
Pyrene			88.4		%		50-140	06-MAY-15
<b>WG2081002-1 MB</b>								
1-Methylnaphthalene			<0.030		ug/g		0.03	06-MAY-15
2-Methylnaphthalene			<0.030		ug/g		0.03	06-MAY-15
Acenaphthene			<0.050		ug/g		0.05	06-MAY-15
Acenaphthylene			<0.050		ug/g		0.05	06-MAY-15
Anthracene			<0.050		ug/g		0.05	06-MAY-15
Benzo(a)anthracene			<0.050		ug/g		0.05	06-MAY-15
Benzo(a)pyrene			<0.050		ug/g		0.05	06-MAY-15
Benzo(b)fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	06-MAY-15
Benzo(k)fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Chrysene			<0.050		ug/g		0.05	06-MAY-15
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	06-MAY-15
Fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Fluorene			<0.050		ug/g		0.05	06-MAY-15
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	06-MAY-15
Naphthalene			<0.050		ug/g		0.05	06-MAY-15
Phenanthrene			<0.050		ug/g		0.05	06-MAY-15
Pyrene			<0.050		ug/g		0.05	06-MAY-15
Surrogate: 2-Fluorobiphenyl			97.7		%		50-140	06-MAY-15
Surrogate: p-Terphenyl d14			95.7		%		50-140	06-MAY-15
<b>Batch R3185759</b>								
<b>WG2082825-1 CVS</b>								
1-Methylnaphthalene			94.0		%		50-140	05-MAY-15
2-Methylnaphthalene			94.9		%		50-140	05-MAY-15
Acenaphthene			96.4		%		50-140	05-MAY-15
Acenaphthylene			95.7		%		50-140	05-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185759</b>							
<b>WG2082825-1</b>	<b>CVS</b>							
Anthracene			97.8		%		50-140	05-MAY-15
Benzo(a)anthracene			95.9		%		50-140	05-MAY-15
Benzo(a)pyrene			101.2		%		50-140	05-MAY-15
Benzo(b)fluoranthene			100.6		%		50-140	05-MAY-15
Benzo(g,h,i)perylene			100.4		%		50-140	05-MAY-15
Benzo(k)fluoranthene			91.8		%		50-140	05-MAY-15
Chrysene			100.5		%		50-140	05-MAY-15
Dibenzo(ah)anthracene			100.2		%		50-140	05-MAY-15
Fluoranthene			97.0		%		50-140	05-MAY-15
Fluorene			96.9		%		50-140	05-MAY-15
Indeno(1,2,3-cd)pyrene			97.9		%		50-140	05-MAY-15
Naphthalene			96.6		%		50-140	05-MAY-15
Phenanthrene			99.1		%		50-140	05-MAY-15
Pyrene			102.9		%		50-140	05-MAY-15
<b>WG2081963-5</b>	<b>DUP</b>	<b>WG2081963-4</b>						
1-Methylnaphthalene		0.239	0.241		ug/g	0.7	40	06-MAY-15
2-Methylnaphthalene		0.251	0.252		ug/g	0.2	40	06-MAY-15
Acenaphthene		0.171	0.156		ug/g	9.3	40	06-MAY-15
Acenaphthylene		2.23	2.09		ug/g	6.6	40	06-MAY-15
Anthracene		1.25	1.15		ug/g	8.3	40	06-MAY-15
Benzo(a)anthracene		10.1	9.08		ug/g	10	40	06-MAY-15
Benzo(a)pyrene		10.3	9.30		ug/g	10	40	06-MAY-15
Benzo(b)fluoranthene		13.4	12.0		ug/g	11	40	29-MAY-15
Benzo(g,h,i)perylene		6.71	6.02		ug/g	11	40	06-MAY-15
Benzo(k)fluoranthene		3.70	3.12		ug/g	17	40	06-MAY-15
Chrysene		9.81	8.58		ug/g	13	40	06-MAY-15
Dibenzo(ah)anthracene		1.52	1.44		ug/g	5.3	40	06-MAY-15
Fluoranthene		17.4	14.9		ug/g	15	40	29-MAY-15
Fluorene		0.261	0.244		ug/g	6.7	40	06-MAY-15
Indeno(1,2,3-cd)pyrene		6.85	6.15		ug/g	11	40	06-MAY-15
Naphthalene		0.290	0.277		ug/g	4.5	40	06-MAY-15
Phenanthrene		4.26	3.84		ug/g	10	40	06-MAY-15
Pyrene		18.6	16.1		ug/g	14	40	29-MAY-15



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CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185759</b>							
<b>WG2081963-3</b>	<b>IRM</b>	<b>ALS PAH1 RM</b>						
1-Methylnaphthalene			98.0		%		50-140	06-MAY-15
2-Methylnaphthalene			107.6		%		50-140	06-MAY-15
Acenaphthene			77.5		%		50-140	06-MAY-15
Acenaphthylene			114.0		%		50-140	06-MAY-15
Anthracene			80.2		%		50-140	06-MAY-15
Benzo(a)anthracene			117.1		%		50-140	06-MAY-15
Benzo(a)pyrene			102.3		%		50-140	06-MAY-15
Benzo(b)fluoranthene			113.6		%		50-140	06-MAY-15
Benzo(g,h,i)perylene			111.2		%		50-140	06-MAY-15
Benzo(k)fluoranthene			92.1		%		50-140	06-MAY-15
Chrysene			119.9		%		50-140	06-MAY-15
Dibenzo(ah)anthracene			136.0		%		50-140	06-MAY-15
Fluoranthene			117.6		%		50-140	06-MAY-15
Fluorene			82.1		%		50-140	06-MAY-15
Indeno(1,2,3-cd)pyrene			105.9		%		50-140	06-MAY-15
Naphthalene			105.7		%		50-140	06-MAY-15
Phenanthrene			109.4		%		50-140	06-MAY-15
Pyrene			115.7		%		50-140	06-MAY-15
<b>WG2081963-2</b>	<b>LCS</b>							
1-Methylnaphthalene			88.6		%		50-140	06-MAY-15
2-Methylnaphthalene			90.2		%		50-140	06-MAY-15
Acenaphthene			92.4		%		50-140	06-MAY-15
Acenaphthylene			94.7		%		50-140	06-MAY-15
Anthracene			96.5		%		50-140	06-MAY-15
Benzo(a)anthracene			96.2		%		50-140	06-MAY-15
Benzo(a)pyrene			94.6		%		50-140	06-MAY-15
Benzo(b)fluoranthene			95.3		%		50-140	06-MAY-15
Benzo(g,h,i)perylene			92.1		%		50-140	06-MAY-15
Benzo(k)fluoranthene			84.0		%		50-140	06-MAY-15
Chrysene			95.5		%		50-140	06-MAY-15
Dibenzo(ah)anthracene			94.1		%		50-140	06-MAY-15
Fluoranthene			93.6		%		50-140	06-MAY-15
Fluorene			94.1		%		50-140	06-MAY-15
Indeno(1,2,3-cd)pyrene			91.3		%		50-140	06-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185759</b>							
<b>WG2081963-2</b>	<b>LCS</b>							
Naphthalene			90.6		%		50-140	06-MAY-15
Phenanthrene			92.9		%		50-140	06-MAY-15
Pyrene			99.3		%		50-140	06-MAY-15
<b>WG2081963-1</b>	<b>MB</b>							
1-Methylnaphthalene			<0.030		ug/g		0.03	06-MAY-15
2-Methylnaphthalene			<0.030		ug/g		0.03	06-MAY-15
Acenaphthene			<0.050		ug/g		0.05	06-MAY-15
Acenaphthylene			<0.050		ug/g		0.05	06-MAY-15
Anthracene			<0.050		ug/g		0.05	06-MAY-15
Benzo(a)anthracene			<0.050		ug/g		0.05	06-MAY-15
Benzo(a)pyrene			<0.050		ug/g		0.05	06-MAY-15
Benzo(b)fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	06-MAY-15
Benzo(k)fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Chrysene			<0.050		ug/g		0.05	06-MAY-15
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	06-MAY-15
Fluoranthene			<0.050		ug/g		0.05	06-MAY-15
Fluorene			<0.050		ug/g		0.05	06-MAY-15
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	06-MAY-15
Naphthalene			<0.050		ug/g		0.05	06-MAY-15
Phenanthrene			<0.050		ug/g		0.05	06-MAY-15
Pyrene			<0.050		ug/g		0.05	06-MAY-15
Surrogate: 2-Fluorobiphenyl			101.3		%		50-140	06-MAY-15
Surrogate: p-Terphenyl d14			103.7		%		50-140	06-MAY-15
<b>PCB-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3185316</b>							
<b>WG2082372-1</b>	<b>CVS</b>							
Aroclor 1242			105.1		%		60-140	06-MAY-15
Aroclor 1248			98.6		%		60-140	06-MAY-15
Aroclor 1254			97.1		%		60-140	06-MAY-15
Aroclor 1260			105.9		%		60-140	06-MAY-15
<b>WG2081002-5</b>	<b>DUP</b>	<b>WG2081002-4</b>						
Aroclor 1242		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1248		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PCB-511-WT</b>								
<b>Soil</b>								
<b>Batch R3185316</b>								
<b>WG2081002-5 DUP</b>		<b>WG2081002-4</b>						
Aroclor 1254		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1260		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
<b>WG2081002-2 LCS</b>								
Aroclor 1242			106.3		%		60-140	06-MAY-15
Aroclor 1248			89.0		%		60-140	06-MAY-15
Aroclor 1254			98.2		%		60-140	06-MAY-15
Aroclor 1260			107.2		%		60-140	06-MAY-15
<b>WG2081002-1 MB</b>								
Aroclor 1242			<0.010		ug/g		0.01	06-MAY-15
Aroclor 1248			<0.010		ug/g		0.01	06-MAY-15
Aroclor 1254			<0.010		ug/g		0.01	06-MAY-15
Aroclor 1260			<0.010		ug/g		0.01	06-MAY-15
Surrogate: d14-Terphenyl			101.3		%		60-140	06-MAY-15
<b>WG2081002-6 MS</b>		<b>WG2081002-4</b>						
Aroclor 1242			118.8		%		60-140	06-MAY-15
Aroclor 1254			109.1		%		60-140	06-MAY-15
Aroclor 1260			119.6		%		60-140	06-MAY-15
<b>Batch R3185597</b>								
<b>WG2082955-1 CVS</b>								
Aroclor 1242			105.1		%		60-140	06-MAY-15
Aroclor 1248			98.6		%		60-140	06-MAY-15
Aroclor 1254			97.1		%		60-140	06-MAY-15
Aroclor 1260			105.9		%		60-140	06-MAY-15
<b>WG2081963-5 DUP</b>		<b>WG2081963-4</b>						
Aroclor 1242		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1248		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1254		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
Aroclor 1260		<0.10	<0.10	RPD-NA	ug/g	N/A	40	06-MAY-15
<b>WG2081963-2 LCS</b>								
Aroclor 1242			104.7		%		60-140	06-MAY-15
Aroclor 1248			104.3		%		60-140	06-MAY-15
Aroclor 1254			95.3		%		60-140	06-MAY-15
Aroclor 1260			107.2		%		60-140	06-MAY-15
<b>WG2081963-1 MB</b>								
Aroclor 1242			<0.010		ug/g		0.01	06-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PCB-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185597</b>							
<b>WG2081963-1</b>	<b>MB</b>							
Aroclor 1248			<0.010		ug/g		0.01	06-MAY-15
Aroclor 1254			<0.010		ug/g		0.01	06-MAY-15
Aroclor 1260			<0.010		ug/g		0.01	06-MAY-15
Surrogate: d14-Terphenyl			114.5		%		60-140	06-MAY-15
<b>WG2081963-6</b>	<b>MS</b>	<b>WG2081963-4</b>						
Aroclor 1242			108.1		%		60-140	06-MAY-15
Aroclor 1254			95.4		%		60-140	06-MAY-15
Aroclor 1260			114.7		%		60-140	06-MAY-15
<b>PH-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3184530</b>							
<b>WG2081003-1</b>	<b>DUP</b>	<b>L1606153-2</b>						
pH		7.84	7.91	J	pH units	0.07	0.3	05-MAY-15
<b>WG2082180-1</b>	<b>LCS</b>							
pH			7.02		pH units		6.7-7.3	05-MAY-15
<b>WG2082180-2</b>	<b>LCS</b>							
pH			7.03		pH units		6.7-7.3	05-MAY-15
<b>SAR-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3185114</b>							
<b>WG2082045-4</b>	<b>DUP</b>	<b>WG2082045-3</b>						
Calcium (Ca)		15.2	14.3		mg/L	5.8	40	05-MAY-15
Sodium (Na)		1.3	1.1		mg/L	10	40	05-MAY-15
Magnesium (Mg)		<1.0	<1.0	RPD-NA	mg/L	N/A	40	05-MAY-15
<b>WG2082045-2</b>	<b>IRM</b>	<b>WT SAR1</b>						
Calcium (Ca)			111.3		%		70-130	05-MAY-15
Sodium (Na)			103.2		%		70-130	05-MAY-15
Magnesium (Mg)			106.8		%		70-130	05-MAY-15
<b>WG2082045-1</b>	<b>MB</b>							
Calcium (Ca)			<1.0		mg/L		1	05-MAY-15
Sodium (Na)			<1.0		mg/L		1	05-MAY-15
Magnesium (Mg)			<1.0		mg/L		1	05-MAY-15
<b>Batch</b>	<b>R3185124</b>							
<b>WG2082044-4</b>	<b>DUP</b>	<b>WG2082044-3</b>						
Calcium (Ca)		17.7	16.7		mg/L	5.9	40	05-MAY-15
Sodium (Na)		1.3	1.2		mg/L	2.3	40	05-MAY-15
Magnesium (Mg)		1.2	1.1		mg/L	5.2	40	05-MAY-15



## Quality Control Report

Workorder: L1606356

Report Date: 08-MAY-15

Page 18 of 19

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>SAR-R511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3185124</b>							
<b>WG2082044-2</b>	<b>IRM</b>	<b>WT SAR1</b>						
Calcium (Ca)			89.4		%		70-130	05-MAY-15
Sodium (Na)			93.9		%		70-130	05-MAY-15
Magnesium (Mg)			87.7		%		70-130	05-MAY-15
<b>WG2082044-1</b>	<b>MB</b>							
Calcium (Ca)			<1.0		mg/L		1	05-MAY-15
Sodium (Na)			<1.0		mg/L		1	05-MAY-15
Magnesium (Mg)			<1.0		mg/L		1	05-MAY-15



# Quality Control Report

Workorder: L1606356

Report Date: 08-MAY-15

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7  
Contact: MAURO CORTES/DIRK GEVAERT

Page 19 of 19

## Legend:

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Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
DLA	Detection Limit adjusted for required dilution
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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## Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

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The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



L1606356-COFC

<b>Report To</b>		<b>Report Format / Distribution</b>			<b>Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)</b>							
Company: <u>AMEC FOSTER WHEELER</u>		Select Report Format: <input checked="" type="checkbox"/> PDF <input checked="" type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			R	<input checked="" type="checkbox"/> Regular (Standard TAT if received by 3pm)						
Contact: <u>MAURO CORTES</u>		Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			P	<input type="checkbox"/> Priority (2-4 business days if received by 3pm)						
Address: <u>900 Maple Grove Rd, Cambridge ON</u>		<input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked			E	<input type="checkbox"/> Emergency (1-2 business days if received by 3pm)						
Phone: <u>519-650-7100</u>		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			E2	<input type="checkbox"/> Same day or weekend emergency if received by 10am - contact ALS for surcharge.						
		Email 1 or Fax: <u>mauro.cortes@amec-fwi.com</u>			Specify Date Required for E2, E or P:							
		Email 2: <u>harman-pedham@amec-fwi.com</u>			<b>Analysis Request</b>							
<b>Invoice To</b>		<b>Invoice Distribution</b>			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below							
Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX										
Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Email 1 or Fax:										
Company:		Email 2:										
Contact:												
<b>Project Information</b>		<b>Oil and Gas Required Fields (client use)</b>										
ALS Quote #: <u>Q29243</u>		Approver ID:										
Job #: <u>SWC157090</u>		GL Account:										
PO / AFE:		Routing Code:										
LSD:		Activity Code:										
ALS Lab Work Order # (lab use only) <u>U606356 IF</u>		Location:										
		ALS Contact: <u>MLP</u>										
		Sampler: <u>HP</u>										
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type	<i>0 May 153 Metal/Inorgan</i>	<i>PAM</i>	<i>PCBS</i>	<i>PHC FI to FY</i>				Number of Containers
1	BH07 SS2/SS3	27 Apr 15	1030	SOIL	<input checked="" type="checkbox"/>							1
2	BH08 SS2	↓	1330	SOIL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				5
3	BH08 SS5	↓	1330	SOIL	<input checked="" type="checkbox"/>							1
4	BH16 SS3	28 Apr 15	1330	SOIL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				5
5	BH16 SS8	↓	1400	SOIL	<input checked="" type="checkbox"/>							1
6	BH17 SS3	29 Apr 15	0900	SOIL	<input checked="" type="checkbox"/>							1
7	BH17 Ayrer 10-15	↓	1045	SOIL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				5
8	BH18 SS3	↓	1330	SOIL	<input checked="" type="checkbox"/>							1
9	BH19 SS4/SS5	30 Apr 15	0930	SOIL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				5
10	BH19 SS8	↓	1000	SOIL	<input checked="" type="checkbox"/>							1
11	BH20 SS1/SS2	↓	1245	SOIL	<input checked="" type="checkbox"/>							1
12	BH21 SS1/SS2	↓	1700	SOIL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>				5
<b>Drinking Water (DW) Samples (client use)</b>		<b>Special Instructions / Specify Criteria to add on report (client use)</b>			<b>SAMPLE CONDITION AS RECEIVED (lab use only)</b>							
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		- Table 1 & 2 - Beware of glass & metal debris in samples			Frozen <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>							
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Ice packs Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Custody seal intact Yes <input type="checkbox"/> No <input type="checkbox"/>							
					Cooling Initiated <input type="checkbox"/>							
					INITIAL COOLER TEMPERATURES °C: <u>0.3</u> FINAL COOLER TEMPERATURES °C:							
<b>SHIPMENT RELEASE (client use)</b>		<b>INITIAL SHIPMENT RECEPTION (lab use only)</b>			<b>FINAL SHIPMENT RECEPTION (lab use only)</b>							
Released by: <u>H. PAOHAM</u>		Received by: <u>[Signature]</u>			Received by: <u>[Signature]</u>							
Date: <u>May 11/15</u>		Date: <u>1005</u>			Date: <u>15/15</u>							
Time: <u>1805</u>		Time: <u>1805</u>			Time: <u>18:10</u>							





AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 08-MAY-15  
Report Date: 25-MAY-15 10:49 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1609636  
**Project P.O. #:** NOT SUBMITTED  
**Job Reference:** SWC157090  
**C of C Numbers:** 14-458229  
**Legal Site Desc:**

Mary-Lynn Pires  
Account Manager

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ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-1	BH24 SS2								
Sampled By: H. PADHAM on 04-MAY-15 @ 11:5									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.183		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
% Moisture		6.13		0.10	%	12-MAY-15			
pH		7.89		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
SAR		0.13		0.10	SAR	12-MAY-15	2.4	12	5
Calcium (Ca)		24.7		1.0	mg/L	12-MAY-15			
Magnesium (Mg)		4.3		1.0	mg/L	12-MAY-15			
Sodium (Na)		2.8		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
Antimony (Sb)		<1.0		1.0	ug/g	12-MAY-15	1.3	40	7.5
Arsenic (As)		7.7		1.0	ug/g	12-MAY-15	18	18	18
Barium (Ba)		38.0		1.0	ug/g	12-MAY-15	220	670	390
Beryllium (Be)		<0.50		0.50	ug/g	12-MAY-15	2.5	8	4
Boron (B)		10.3		5.0	ug/g	12-MAY-15	36	120	120
Boron (B), Hot Water Ext.		0.20		0.10	ug/g	12-MAY-15	36	2	1.5
Cadmium (Cd)		1.11		0.50	ug/g	12-MAY-15	1.2	1.9	1.2
Chromium (Cr)		12.8		1.0	ug/g	12-MAY-15	70	160	160
Cobalt (Co)		5.4		1.0	ug/g	12-MAY-15	21	80	22
Copper (Cu)		25.2		1.0	ug/g	12-MAY-15	92	230	140
Lead (Pb)		82.5		1.0	ug/g	12-MAY-15	120	120	120
Mercury (Hg)		0.0398		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27
Molybdenum (Mo)		<1.0		1.0	ug/g	12-MAY-15	2	40	6.9
Nickel (Ni)		15.4		1.0	ug/g	12-MAY-15	82	270	100
Selenium (Se)		<1.0		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
Silver (Ag)		<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
Uranium (U)		<1.0		1.0	ug/g	12-MAY-15	2.5	33	23
Vanadium (V)		23.7		1.0	ug/g	12-MAY-15	86	86	86
Zinc (Zn)		521		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
L1609636-2	BH24A SS2								
Sampled By: H. PADHAM on 05-MAY-15 @ 10:1									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.193		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
% Moisture		4.72		0.10	%	12-MAY-15			
pH		8.01		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-2	BH24A SS2								
Sampled By: H. PADHAM on 05-MAY-15 @ 10:1									
Matrix: SOIL									
<b>Saturated Paste Extractables</b>									
SAR		0.24		0.10	SAR	12-MAY-15	2.4	12	5
Calcium (Ca)		20.0		1.0	mg/L	12-MAY-15			
Magnesium (Mg)		6.0		1.0	mg/L	12-MAY-15			
Sodium (Na)		4.8		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
Antimony (Sb)		<1.0		1.0	ug/g	12-MAY-15	1.3	40	7.5
Arsenic (As)		9.9		1.0	ug/g	12-MAY-15	18	18	18
Barium (Ba)		21.4		1.0	ug/g	12-MAY-15	220	670	390
Beryllium (Be)		<0.50		0.50	ug/g	12-MAY-15	2.5	8	4
Boron (B)		16.1		5.0	ug/g	12-MAY-15	36	120	120
Boron (B), Hot Water Ext.		0.20		0.10	ug/g	12-MAY-15	36	2	1.5
Cadmium (Cd)		0.76		0.50	ug/g	12-MAY-15	1.2	1.9	1.2
Chromium (Cr)		14.4		1.0	ug/g	12-MAY-15	70	160	160
Cobalt (Co)		3.0		1.0	ug/g	12-MAY-15	21	80	22
Copper (Cu)		15.5		1.0	ug/g	12-MAY-15	92	230	140
Lead (Pb)		110		1.0	ug/g	12-MAY-15	120	120	120
Mercury (Hg)		0.0186		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27
Molybdenum (Mo)		<1.0		1.0	ug/g	12-MAY-15	2	40	6.9
Nickel (Ni)		9.5		1.0	ug/g	12-MAY-15	82	270	100
Selenium (Se)		<1.0		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
Silver (Ag)		<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
Uranium (U)		<1.0		1.0	ug/g	12-MAY-15	2.5	33	23
Vanadium (V)		15.1		1.0	ug/g	12-MAY-15	86	86	86
Zinc (Zn)		478		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
L1609636-3	BH25 SS2								
Sampled By: H. PADHAM on 05-MAY-15 @ 15:1									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.252		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
% Moisture		14.7		0.10	%	12-MAY-15			
pH		7.52		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
SAR		0.27		0.10	SAR	12-MAY-15	2.4	12	5
Calcium (Ca)		32.7		1.0	mg/L	12-MAY-15			
Magnesium (Mg)		3.6		1.0	mg/L	12-MAY-15			
Sodium (Na)		6.0		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
Antimony (Sb)		<1.0		1.0	ug/g	12-MAY-15	1.3	40	7.5

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-3	BH25 SS2								
Sampled By: H. PADHAM on 05-MAY-15 @ 15:1									
Matrix: SOIL									
<b>Metals</b>									
	Arsenic (As)	8.5		1.0	ug/g	12-MAY-15	18	18	18
	Barium (Ba)	73.8		1.0	ug/g	12-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	12-MAY-15	2.5	8	4
	Boron (B)	11.3		5.0	ug/g	12-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.71		0.10	ug/g	12-MAY-15	36	2	1.5
	Cadmium (Cd)	1.08		0.50	ug/g	12-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	18.4		1.0	ug/g	12-MAY-15	70	160	160
	Cobalt (Co)	6.7		1.0	ug/g	12-MAY-15	21	80	22
	Copper (Cu)	30.1		1.0	ug/g	12-MAY-15	92	230	140
	Lead (Pb)	126		1.0	ug/g	12-MAY-15	*120	*120	*120
	Mercury (Hg)	0.105		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	1.1		1.0	ug/g	12-MAY-15	2	40	6.9
	Nickel (Ni)	16.1		1.0	ug/g	12-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	12-MAY-15	2.5	33	23
	Vanadium (V)	31.8		1.0	ug/g	12-MAY-15	86	86	86
	Zinc (Zn)	554		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<5.0		5.0	ug/g	13-MAY-15	25	55	55
	F2 (C10-C16)	<10		10	ug/g	14-MAY-15	10	230	98
	F2-Naphth	<10		10	ug/g	14-MAY-15			
	F3 (C16-C34)	<50		50	ug/g	14-MAY-15	240	1700	300
	F3-PAH	<50		50	ug/g	14-MAY-15			
	F4 (C34-C50)	<50		50	ug/g	14-MAY-15	120	3300	2800
	Total Hydrocarbons (C6-C50)	<72		72	ug/g	14-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	14-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	88.4		60-140	%	14-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	76.3		60-140	%	13-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.050		0.050	ug/g	12-MAY-15	0.072	21	7.9
	Acenaphthylene	<0.050		0.050	ug/g	12-MAY-15	0.093	0.15	0.15
	Anthracene	<0.050		0.050	ug/g	12-MAY-15	0.16	0.67	0.67
	Benzo(a)anthracene	0.064	R	0.050	ug/g	12-MAY-15	0.36	0.96	0.5
	Benzo(a)pyrene	0.072		0.050	ug/g	12-MAY-15	0.3	0.3	0.3
	Benzo(b)fluoranthene	0.119		0.050	ug/g	12-MAY-15	0.47	0.96	0.78
	Benzo(g,h,i)perylene	0.073		0.050	ug/g	12-MAY-15	0.68	9.6	6.6
	Benzo(k)fluoranthene	<0.050		0.050	ug/g	12-MAY-15	0.48	0.96	0.78
	Chrysene	0.075		0.050	ug/g	12-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	<0.050		0.050	ug/g	12-MAY-15	0.1	0.1	0.1
	Fluoranthene	0.106		0.050	ug/g	12-MAY-15	0.56	9.6	0.69

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-3	BH25 SS2								
Sampled By: H. PADHAM on 05-MAY-15 @ 15:1									
Matrix: SOIL									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Fluorene	<0.050		0.050	ug/g	12-MAY-15	0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.077		0.050	ug/g	12-MAY-15	0.23	0.76	0.38
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	12-MAY-15	0.59	30	0.99
	1-Methylnaphthalene	<0.030		0.030	ug/g	12-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	<0.030		0.030	ug/g	12-MAY-15	0.59	30	0.99
	Naphthalene	<0.050		0.050	ug/g	12-MAY-15	0.09	9.6	0.6
	Phenanthrene	<0.050		0.050	ug/g	12-MAY-15	0.69	12	6.2
	Pyrene	0.093		0.050	ug/g	12-MAY-15	1	96	78
	Surrogate: 2-Fluorobiphenyl	91.0		50-140	%	12-MAY-15			
	Surrogate: p-Terphenyl d14	91.8		50-140	%	12-MAY-15			
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	<0.010		0.010	ug/g	12-MAY-15			
	Aroclor 1248	<0.010		0.010	ug/g	12-MAY-15			
	Aroclor 1254	<0.010		0.010	ug/g	12-MAY-15			
	Aroclor 1260	<0.010		0.010	ug/g	12-MAY-15			
	Total PCBs	<0.020		0.020	ug/g	12-MAY-15	0.3	1.1	0.35
	Surrogate: d14-Terphenyl	93.9		60-140	%	12-MAY-15			
L1609636-4	BH26 SS2/SS3								
Sampled By: H. PADHAM on 06-MAY-15 @ 12:0									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.316		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
	% Moisture	50.9		0.10	%	12-MAY-15			
	pH	6.91		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.10	DLA	0.10	mg/kg	23-MAY-15	**0.051	**0.051	**0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.63		0.10	SAR	12-MAY-15	2.4	12	5
	Calcium (Ca)	32.2		1.0	mg/L	12-MAY-15			
	Magnesium (Mg)	6.0		1.0	mg/L	12-MAY-15			
	Sodium (Na)	14.9		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<1.0		1.0	ug/g	12-MAY-15	1.3	40	7.5
	Arsenic (As)	3.8		1.0	ug/g	12-MAY-15	18	18	18
	Barium (Ba)	34.1		1.0	ug/g	12-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	12-MAY-15	2.5	8	4
	Boron (B)	6.2		5.0	ug/g	12-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.98		0.10	ug/g	12-MAY-15	36	2	1.5
	Cadmium (Cd)	0.72		0.50	ug/g	12-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	12.6		1.0	ug/g	12-MAY-15	70	160	160
	Cobalt (Co)	3.3		1.0	ug/g	12-MAY-15	21	80	22
	Copper (Cu)	16.7		1.0	ug/g	12-MAY-15	92	230	140
	Lead (Pb)	577		1.0	ug/g	12-MAY-15	*120	*120	*120
	Mercury (Hg)	0.0665		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)





# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-4	BH26 SS2/SS3								
Sampled By: H. PADHAM on 06-MAY-15 @ 12:(									
Matrix: SOIL									
<b>Metals</b>									
	Molybdenum (Mo)	<1.0		1.0	ug/g	12-MAY-15	2	40	6.9
	Nickel (Ni)	8.3		1.0	ug/g	12-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	12-MAY-15	2.5	33	23
	Vanadium (V)	17.6		1.0	ug/g	12-MAY-15	86	86	86
	Zinc (Zn)	129		5.0	ug/g	12-MAY-15	290	340	340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<2.0	DLM	2.0	ug/g	12-MAY-15	**0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<7.5	DLHM	7.5	ug/g	12-MAY-15	25	55	55
	F2 (C10-C16)	21	DLHM	15	ug/g	14-MAY-15	*10	230	98
	F2-Naphth	21		15	ug/g	19-MAY-15			
	F3 (C16-C34)	945	DLHM	75	ug/g	14-MAY-15	*240	1700	*300
	F3-PAH	945		75	ug/g	19-MAY-15			
	F4 (C34-C50)	357	DLHM	75	ug/g	14-MAY-15	*120	3300	2800
	Total Hydrocarbons (C6-C50)	1320		110	ug/g	19-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	14-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	91.9		60-140	%	14-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	84.5		60-140	%	12-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.075	DLHM	0.075	ug/g	12-MAY-15	**0.072	21	7.9
	Acenaphthylene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.093	0.15	0.15
	Anthracene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.16	0.67	0.67
	Benzo(a)anthracene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.36	0.96	0.5
	Benzo(a)pyrene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.3	0.3	0.3
	Benzo(b)fluoranthene	0.079	DLHM	0.075	ug/g	12-MAY-15	0.47	0.96	0.78
	Benzo(g,h,i)perylene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.68	9.6	6.6
	Benzo(k)fluoranthene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.48	0.96	0.78
	Chrysene	<0.075	DLHM	0.075	ug/g	12-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.1	0.1	0.1
	Fluoranthene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.56	9.6	0.69
	Fluorene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.12	62	62
	Indeno(1,2,3-cd)pyrene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.23	0.76	0.38
	1+2-Methylnaphthalenes	<0.064		0.064	ug/g	12-MAY-15	0.59	30	0.99
	1-Methylnaphthalene	<0.045	DLHM	0.045	ug/g	12-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	0.057	DLHM	0.045	ug/g	12-MAY-15	0.59	30	0.99
	Naphthalene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.09	9.6	0.6
	Phenanthrene	<0.075	DLHM	0.075	ug/g	12-MAY-15	0.69	12	6.2
	Pyrene	<0.075	DLHM	0.075	ug/g	12-MAY-15	1	96	78
	Surrogate: 2-Fluorobiphenyl	94.6		50-140	%	12-MAY-15			
	Surrogate: p-Terphenyl d14	93.9		50-140	%	12-MAY-15			
<b>Polychlorinated Biphenyls</b>									

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#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-4 BH26 SS2/SS3									
Sampled By: H. PADHAM on 06-MAY-15 @ 12:00									
Matrix: SOIL									
<b>Polychlorinated Biphenyls</b>									
Aroclor 1242		<0.025	DLM	0.025	ug/g	12-MAY-15			
Aroclor 1248		<0.015	DLHM	0.015	ug/g	12-MAY-15			
Aroclor 1254		<0.015	DLHM	0.015	ug/g	12-MAY-15			
Aroclor 1260		<0.015	DLHM	0.015	ug/g	12-MAY-15			
Total PCBs		<0.030	DLHM	0.030	ug/g	12-MAY-15	0.3	1.1	0.35
Surrogate: d14-Terphenyl		94.4		60-140	%	12-MAY-15			
L1609636-5 BH26 SS6									
Sampled By: H. PADHAM on 06-MAY-15 @ 12:00									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.366		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
% Moisture		51.1		0.10	%	12-MAY-15			
pH		7.51		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
SAR		0.63		0.10	SAR	12-MAY-15	2.4	12	5
Calcium (Ca)		47.0		1.0	mg/L	12-MAY-15			
Magnesium (Mg)		10.2		1.0	mg/L	12-MAY-15			
Sodium (Na)		18.2		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
Antimony (Sb)		<1.0		1.0	ug/g	12-MAY-15	1.3	40	7.5
Arsenic (As)		1.4		1.0	ug/g	12-MAY-15	18	18	18
Barium (Ba)		137		1.0	ug/g	12-MAY-15	220	670	390
Beryllium (Be)		<0.50		0.50	ug/g	12-MAY-15	2.5	8	4
Boron (B)		<5.0		5.0	ug/g	12-MAY-15	36	120	120
Boron (B), Hot Water Ext.		0.59		0.10	ug/g	12-MAY-15	36	2	1.5
Cadmium (Cd)		2.01		0.50	ug/g	12-MAY-15	*1.2	*1.9	*1.2
Chromium (Cr)		3.5		1.0	ug/g	12-MAY-15	70	160	160
Cobalt (Co)		1.3		1.0	ug/g	12-MAY-15	21	80	22
Copper (Cu)		17.8		1.0	ug/g	12-MAY-15	92	230	140
Lead (Pb)		75.2		1.0	ug/g	12-MAY-15	120	120	120
Mercury (Hg)		0.0124		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27
Molybdenum (Mo)		4.0		1.0	ug/g	12-MAY-15	*2	40	6.9
Nickel (Ni)		8.3		1.0	ug/g	12-MAY-15	82	270	100
Selenium (Se)		<1.0		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
Silver (Ag)		<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
Uranium (U)		1.5		1.0	ug/g	12-MAY-15	2.5	33	23
Vanadium (V)		4.3		1.0	ug/g	12-MAY-15	86	86	86
Zinc (Zn)		3770		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	12-MAY-15	0.66	8	8

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#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-6	BH27 SS2								
Sampled By: H. PADHAM on 06-MAY-15 @ 15:5									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.379		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
% Moisture		28.7		0.10	%	12-MAY-15			
pH		9.55		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
SAR		0.24		0.10	SAR	12-MAY-15	2.4	12	5
Calcium (Ca)		57.2		1.0	mg/L	12-MAY-15			
Magnesium (Mg)		3.5		1.0	mg/L	12-MAY-15			
Sodium (Na)		6.9		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
Antimony (Sb)		3.4		1.0	ug/g	12-MAY-15	*1.3	40	7.5
Arsenic (As)		18.3		1.0	ug/g	12-MAY-15	*18	*18	*18
Barium (Ba)		253		1.0	ug/g	12-MAY-15	*220	670	390
Beryllium (Be)		0.82		0.50	ug/g	12-MAY-15	2.5	8	4
Boron (B)		13.4		5.0	ug/g	12-MAY-15	36	120	120
Boron (B), Hot Water Ext.		0.86		0.10	ug/g	12-MAY-15	36	2	1.5
Cadmium (Cd)		2.16		0.50	ug/g	12-MAY-15	*1.2	*1.9	*1.2
Chromium (Cr)		37.5		1.0	ug/g	12-MAY-15	70	160	160
Cobalt (Co)		8.8		1.0	ug/g	12-MAY-15	21	80	22
Copper (Cu)		60.1		1.0	ug/g	12-MAY-15	92	230	140
Lead (Pb)		1100		1.0	ug/g	12-MAY-15	*120	*120	*120
Mercury (Hg)		0.157		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27
Molybdenum (Mo)		3.7		1.0	ug/g	12-MAY-15	*2	40	6.9
Nickel (Ni)		23.6		1.0	ug/g	12-MAY-15	82	270	100
Selenium (Se)		1.2		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
Silver (Ag)		0.37		0.20	ug/g	12-MAY-15	0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
Uranium (U)		<1.0		1.0	ug/g	12-MAY-15	2.5	33	23
Vanadium (V)		35.3		1.0	ug/g	12-MAY-15	86	86	86
Zinc (Zn)		1390		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
L1609636-7	BH28 SS2								
Sampled By: H. PADHAM on 07-MAY-15 @ 08:4									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.201		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
% Moisture		36.8		0.10	%	12-MAY-15			
pH		7.14		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.10	DLA	0.10	mg/kg	23-MAY-15	**0.051	**0.051	**0.051
<b>Saturated Paste Extractables</b>									

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#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-7	BH28 SS2								
Sampled By: H. PADHAM on 07-MAY-15 @ 08:4									
Matrix: SOIL									
<b>Saturated Paste Extractables</b>									
SAR		0.15		0.10	SAR	12-MAY-15	2.4	12	5
Calcium (Ca)		26.5		1.0	mg/L	12-MAY-15			
Magnesium (Mg)		2.3		1.0	mg/L	12-MAY-15			
Sodium (Na)		2.9		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
Antimony (Sb)		5.3		1.0	ug/g	12-MAY-15	*1.3	40	7.5
Arsenic (As)		18.9		1.0	ug/g	12-MAY-15	*18	*18	*18
Barium (Ba)		130		1.0	ug/g	12-MAY-15	220	670	390
Beryllium (Be)		0.62		0.50	ug/g	12-MAY-15	2.5	8	4
Boron (B)		20.0		5.0	ug/g	12-MAY-15	36	120	120
Boron (B), Hot Water Ext.		1.04		0.10	ug/g	12-MAY-15	36	2	1.5
Cadmium (Cd)		<0.50		0.50	ug/g	12-MAY-15	1.2	1.9	1.2
Chromium (Cr)		46.8		1.0	ug/g	12-MAY-15	70	160	160
Cobalt (Co)		12.5		1.0	ug/g	12-MAY-15	21	80	22
Copper (Cu)		71.8		1.0	ug/g	12-MAY-15	92	230	140
Lead (Pb)		126		1.0	ug/g	12-MAY-15	*120	*120	*120
Mercury (Hg)		0.0233		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27
Molybdenum (Mo)		4.0		1.0	ug/g	12-MAY-15	*2	40	6.9
Nickel (Ni)		79.3		1.0	ug/g	12-MAY-15	82	270	100
Selenium (Se)		<1.0		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
Silver (Ag)		<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
Thallium (Tl)		<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
Uranium (U)		<1.0		1.0	ug/g	12-MAY-15	2.5	33	23
Vanadium (V)		49.2		1.0	ug/g	12-MAY-15	86	86	86
Zinc (Zn)		351		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
Chromium, Hexavalent		<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
L1609636-8	BH31 SS2								
Sampled By: H. PADHAM on 07-MAY-15 @ 13:1									
Matrix: SOIL									
<b>Physical Tests</b>									
Conductivity		0.263		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
% Moisture		27.3		0.10	%	12-MAY-15			
pH		7.24		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
Cyanide, Weak Acid Diss		<0.10	DLA	0.10	mg/kg	23-MAY-15	**0.051	**0.051	**0.051
<b>Saturated Paste Extractables</b>									
SAR		0.24		0.10	SAR	12-MAY-15	2.4	12	5
Calcium (Ca)		37.2		1.0	mg/L	12-MAY-15			
Magnesium (Mg)		3.1		1.0	mg/L	12-MAY-15			
Sodium (Na)		5.7		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
Antimony (Sb)		2.7		1.0	ug/g	12-MAY-15	*1.3	40	7.5

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-8	BH31 SS2								
Sampled By: H. PADHAM on 07-MAY-15 @ 13:1									
Matrix: SOIL									
<b>Metals</b>									
	Arsenic (As)	5.5		1.0	ug/g	12-MAY-15	18	18	18
	Barium (Ba)	77.6		1.0	ug/g	12-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	12-MAY-15	2.5	8	4
	Boron (B)	10.7		5.0	ug/g	12-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.66		0.10	ug/g	12-MAY-15	36	2	1.5
	Cadmium (Cd)	1.08		0.50	ug/g	12-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	15.1		1.0	ug/g	12-MAY-15	70	160	160
	Cobalt (Co)	5.3		1.0	ug/g	12-MAY-15	21	80	22
	Copper (Cu)	21.9		1.0	ug/g	12-MAY-15	92	230	140
	Lead (Pb)	122		1.0	ug/g	12-MAY-15	*120	*120	*120
	Mercury (Hg)	0.421		0.0050	ug/g	12-MAY-15	*0.27	3.9	*0.27
	Molybdenum (Mo)	1.4		1.0	ug/g	12-MAY-15	2	40	6.9
	Nickel (Ni)	13.2		1.0	ug/g	12-MAY-15	82	270	100
	Selenium (Se)	1.4		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	12-MAY-15	2.5	33	23
	Vanadium (V)	26.9		1.0	ug/g	12-MAY-15	86	86	86
	Zinc (Zn)	1090		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<5.0		5.0	ug/g	12-MAY-15	25	55	55
	F2 (C10-C16)	<10		10	ug/g	14-MAY-15	10	230	98
	F2-Naphth	<10		10	ug/g	14-MAY-15			
	F3 (C16-C34)	88		50	ug/g	14-MAY-15	240	1700	300
	F3-PAH	<50		50	ug/g	14-MAY-15			
	F4 (C34-C50)	<50		50	ug/g	14-MAY-15	120	3300	2800
	Total Hydrocarbons (C6-C50)	88		72	ug/g	14-MAY-15			
	Chrom. to baseline at nC50	YES			No Unit	14-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	88.0		60-140	%	14-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	79.0		60-140	%	12-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	7.7	DLA	5.0	ug/g	13-MAY-15	*0.072	21	7.9
	Acenaphthylene	17.2	DLA	5.0	ug/g	13-MAY-15	*0.093	*0.15	*0.15
	Anthracene	28.0	DLA	5.0	ug/g	13-MAY-15	*0.16	*0.67	*0.67
	Benzo(a)anthracene	73.3	DLA	5.0	ug/g	13-MAY-15	*0.36	*0.96	*0.5
	Benzo(a)pyrene	66.0	DLA	5.0	ug/g	13-MAY-15	*0.3	*0.3	*0.3
	Benzo(b)fluoranthene	86.6	DLA	5.0	ug/g	13-MAY-15	*0.47	*0.96	*0.78
	Benzo(g,h,i)perylene	33.1	DLA	5.0	ug/g	13-MAY-15	*0.68	*9.6	*6.6
	Benzo(k)fluoranthene	31.8	DLA	5.0	ug/g	13-MAY-15	*0.48	*0.96	*0.78
	Chrysene	85.0	DLA	5.0	ug/g	13-MAY-15	*2.8	*9.6	*7
	Dibenzo(ah)anthracene	9.4	DLA	5.0	ug/g	13-MAY-15	*0.1	*0.1	*0.1
	Fluoranthene	226	DLA	5.0	ug/g	13-MAY-15	*0.56	*9.6	*0.69

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\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-8 BH31 SS2									
Sampled By: H. PADHAM on 07-MAY-15 @ 13:1									
Matrix: SOIL									
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Fluorene	26.4	DLA	5.0	ug/g	13-MAY-15	*0.12	62	62
	Indeno(1,2,3-cd)pyrene	36.9	DLA	5.0	ug/g	13-MAY-15	*0.23	*0.76	*0.38
	1+2-Methylnaphthalenes	18.1		4.2	ug/g	13-MAY-15	*0.59	30	*0.99
	1-Methylnaphthalene	8.3	DLA	3.0	ug/g	13-MAY-15	*0.59	30	*0.99
	2-Methylnaphthalene	9.9	DLA	3.0	ug/g	13-MAY-15	*0.59	30	*0.99
	Naphthalene	27.3	DLA	5.0	ug/g	13-MAY-15	*0.09	*9.6	*0.6
	Phenanthrene	236	DLA	5.0	ug/g	13-MAY-15	*0.69	*12	*6.2
	Pyrene	171	DLA	5.0	ug/g	13-MAY-15	*1	*96	*78
	Surrogate: 2-Fluorobiphenyl	105.0		50-140	%	13-MAY-15			
	Surrogate: p-Terphenyl d14	122.0		50-140	%	13-MAY-15			
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	<0.10	DLM	0.10	ug/g	12-MAY-15			
	Aroclor 1248	<0.10	DLM	0.10	ug/g	12-MAY-15			
	Aroclor 1254	<0.10	DLM	0.10	ug/g	12-MAY-15			
	Aroclor 1260	<0.10	DLM	0.10	ug/g	12-MAY-15			
	Total PCBs	<0.20	DLM	0.20	ug/g	12-MAY-15	0.3	1.1	0.35
	Surrogate: d14-Terphenyl	113.2		60-140	%	12-MAY-15			
L1609636-9 BH32 SS4									
Sampled By: H. PADHAM on 08-MAY-15 @ 12:1									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.435		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
	% Moisture	3.41		0.10	%	12-MAY-15			
	pH	8.03		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	1.73		0.10	SAR	12-MAY-15	2.4	12	5
	Calcium (Ca)	25.0		1.0	mg/L	12-MAY-15			
	Magnesium (Mg)	8.6		1.0	mg/L	12-MAY-15			
	Sodium (Na)	39.3		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<1.0		1.0	ug/g	12-MAY-15	1.3	40	7.5
	Arsenic (As)	5.1		1.0	ug/g	12-MAY-15	18	18	18
	Barium (Ba)	23.9		1.0	ug/g	12-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	12-MAY-15	2.5	8	4
	Boron (B)	10.2		5.0	ug/g	12-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	0.18		0.10	ug/g	12-MAY-15	36	2	1.5
	Cadmium (Cd)	0.85		0.50	ug/g	12-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	8.4		1.0	ug/g	12-MAY-15	70	160	160
	Cobalt (Co)	2.9		1.0	ug/g	12-MAY-15	21	80	22
	Copper (Cu)	33.9		1.0	ug/g	12-MAY-15	92	230	140
	Lead (Pb)	72.7		1.0	ug/g	12-MAY-15	120	120	120
	Mercury (Hg)	0.0306		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

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#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609636-9	BH32 SS4								
Sampled By: H. PADHAM on 08-MAY-15 @ 12:1									
Matrix: SOIL									
<b>Metals</b>									
	Molybdenum (Mo)	1.4		1.0	ug/g	12-MAY-15	2	40	6.9
	Nickel (Ni)	10.0		1.0	ug/g	12-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	12-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	12-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	12-MAY-15	1	3.3	1
	Uranium (U)	1.9		1.0	ug/g	12-MAY-15	2.5	33	23
	Vanadium (V)	11.6		1.0	ug/g	12-MAY-15	86	86	86
	Zinc (Zn)	438		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	12-MAY-15	0.66	8	8

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



## Reference Information

**Sample Parameter Qualifier key listed:**

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.
R	The ion abundance ratio(s) did not meet the acceptance criteria. Value is an estimated maximum.
DLA	Detection Limit adjusted for required dilution
DLHM	Detection Limit Adjusted: Sample has High Moisture Content

**Methods Listed (if applicable):**

ALS Test Code	Matrix	Test Description	Method Reference***
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-NAOH-CFA-VA	Soil	Weak Acid Diss. Cyanide in soil by CFA	ONMOE CN-E3015/APHA 4500-CN CYANIDE
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This analysis is carried out using procedures adapted from the Ontario Ministry of Environment CN-E3015 and APHA Method 4500-CN I. "Weak Acid Dissociable Cyanide". Weak Acid Dissociable (WAD) cyanide is determined by rotary extraction of the soil with 0.04M Sodium Hydroxide, followed by in-line sample distillation with final determination by colourimetric analysis.

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199
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This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-R511-WT	Soil	Conductivity-O.Reg 153/04 (July 2011)	MOEE E3138
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A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC DEC-2000 - PUB# 1310-S
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.



## Reference Information

F1-HS-511-WT      Soil      F1-O.Reg 153/04 (July 2011)      E3398/CCME TIER 1-HS

Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F2-F4-511-WT      Soil      F2-F4-O.Reg 153/04 (July 2011)      MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

HG-200.2-CVAA-WT      Soil      Mercury in Soil by CVAAS      EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT      Soil      Metals in Soil by CRC ICPMS      EPA 200.2/6020A (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CRC ICPMS.

Method Limitation: This method is not a total digestion technique. It is a very strong acid digestion that is intended to dissolve those metals that may be environmentally available. This method does not dissolve all silicate materials and may result in a partial extraction, depending on the sample matrix, for some metals, including, but not limited to Al, Ba, Be, Cr, Sr, Ti, Tl, and V.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT      Soil      ABN-Calculated Parameters      SW846 8270

MOISTURE-WT      Soil      % Moisture      Gravimetric: Oven Dried

PAH-511-WT      Soil      PAH-O.Reg 153/04 (July 2011)      SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PCB-511-WT      Soil      PCB-O.Reg 153/04 (July 2011)      SW846 3510/8082

An aliquot of a solid sample is extracted with a solvent, extract is cleaned up and analyzed on the GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

PH-R511-WT      Soil      pH-O.Reg 153/04 (July 2011)      MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT      Soil      SAR-O.Reg 153/04 (July 2011)      SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

\*\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

14-458229

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

## Reference Information

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA	VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*

*Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.*



## Quality Control Report

Workorder: L1609636

Report Date: 25-MAY-15

Page 1 of 13

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>B-HWS-R511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188363</b>							
<b>WG2086344-3</b>	<b>DUP</b>	<b>L1609915-2</b>						
Boron (B), Hot Water Ext.		<0.10	<0.10	RPD-NA	ug/g	N/A	40	12-MAY-15
<b>WG2086344-2</b>	<b>IRM</b>	<b>SALINITY_SOIL4</b>						
Boron (B), Hot Water Ext.			87.0		%		70-130	12-MAY-15
<b>WG2086344-1</b>	<b>MB</b>							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	12-MAY-15
<b>WG2086344-4</b>	<b>MS</b>	<b>L1609915-2</b>						
Boron (B), Hot Water Ext.			109.9		%		60-140	12-MAY-15
<b>CN-WAD-NAOH-CFA-VA</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3194679</b>							
<b>WG2092453-4</b>	<b>DUP</b>	<b>L1609636-9</b>						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	mg/kg	N/A	35	23-MAY-15
<b>WG2092453-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<0.050		mg/kg		0.05	23-MAY-15
<b>CR-CR6-IC-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188995</b>							
<b>WG2085753-3</b>	<b>CRM</b>	<b>WT-SQC012</b>						
Chromium, Hexavalent			91.4		%		70-130	12-MAY-15
<b>WG2085753-4</b>	<b>DUP</b>	<b>L1609636-9</b>						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	12-MAY-15
<b>WG2085753-2</b>	<b>LCS</b>							
Chromium, Hexavalent			96.0		%		80-120	12-MAY-15
<b>WG2085753-1</b>	<b>MB</b>							
Chromium, Hexavalent			<0.20		ug/g		0.2	12-MAY-15
<b>EC-R511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188368</b>							
<b>WG2086345-4</b>	<b>DUP</b>	<b>WG2086345-3</b>						
Conductivity		0.166	0.169		mS/cm	1.8	20	12-MAY-15
Conductivity		0.166	0.169		mS/cm	1.8	20	12-MAY-15
<b>WG2086469-1</b>	<b>LCS</b>							
Conductivity			98.7		%		90-110	12-MAY-15
<b>WG2086469-2</b>	<b>LCS</b>							
Conductivity			98.8		%		90-110	12-MAY-15
<b>WG2086345-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	12-MAY-15
<b>F1-HS-511-WT</b>								
	<b>Soil</b>							



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900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F1-HS-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188240</b>							
<b>WG2085720-3</b>	<b>DUP</b>	<b>WG2085720-5</b>						
F1 (C6-C10)		<5.0	<5.0	RPD-NA	ug/g	N/A	50	12-MAY-15
<b>WG2085720-2</b>	<b>LCS</b>							
F1 (C6-C10)			108.8		%		80-120	12-MAY-15
<b>WG2085720-1</b>	<b>MB</b>							
F1 (C6-C10)			<5.0		ug/g		5	12-MAY-15
Surrogate: 3,4-Dichlorotoluene			93.1		%		60-140	12-MAY-15
<b>WG2085720-7</b>	<b>MS</b>	<b>WG2085720-6</b>						
F1 (C6-C10)			106.7		%		60-140	12-MAY-15
<b>F2-F4-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3190149</b>							
<b>WG2085835-3</b>	<b>CRM</b>	<b>ALS PHC2 IRM</b>						
F2 (C10-C16)			102.2		%		70-130	14-MAY-15
F3 (C16-C34)			113.1		%		70-130	14-MAY-15
F4 (C34-C50)			128.1		%		70-130	14-MAY-15
<b>WG2088400-1</b>	<b>CVS</b>							
F2 (C10-C16)			108.5		%		80-120	14-MAY-15
F3 (C16-C34)			110.2		%		80-120	14-MAY-15
F4 (C34-C50)			117.5		%		80-120	14-MAY-15
<b>WG2088400-2</b>	<b>CVS</b>							
F2 (C10-C16)			110.9		%		80-120	14-MAY-15
F3 (C16-C34)			111.0		%		80-120	14-MAY-15
F4 (C34-C50)			116.7		%		80-120	14-MAY-15
<b>WG2085835-5</b>	<b>DUP</b>	<b>WG2085835-4</b>						
F2 (C10-C16)		<10	<10	RPD-NA	ug/g	N/A	40	14-MAY-15
F3 (C16-C34)		<50	<50	RPD-NA	ug/g	N/A	40	14-MAY-15
F4 (C34-C50)		<50	<50	RPD-NA	ug/g	N/A	40	14-MAY-15
<b>WG2085835-2</b>	<b>LCS</b>							
F2 (C10-C16)			98.4		%		80-120	14-MAY-15
F3 (C16-C34)			108.8		%		80-120	14-MAY-15
F4 (C34-C50)			107.1		%		80-120	14-MAY-15
<b>WG2085835-1</b>	<b>MB</b>							
F2 (C10-C16)			<10		ug/g		10	14-MAY-15
F3 (C16-C34)			<50		ug/g		50	14-MAY-15
F4 (C34-C50)			<50		ug/g		50	14-MAY-15
Surrogate: 2-Bromobenzotrifluoride			77.8		%		60-140	14-MAY-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>HG-200.2-CVAA-WT Soil</b>								
<b>Batch R3188518</b>								
<b>WG2086346-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Mercury (Hg)			82.8		%		70-130	12-MAY-15
<b>WG2086346-6</b>	<b>DUP</b>	<b>L1609636-3</b>						
Mercury (Hg)		0.105	0.108		ug/g	2.7	40	12-MAY-15
<b>WG2086346-4</b>	<b>LCS</b>							
Mercury (Hg)			98.5		%		80-120	12-MAY-15
<b>WG2086346-1</b>	<b>MB</b>							
Mercury (Hg)			<0.0050		mg/kg		0.005	12-MAY-15
<b>MET-200.2-CCMS-WT Soil</b>								
<b>Batch R3189817</b>								
<b>WG2086346-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Antimony (Sb)			106.4		%		70-130	12-MAY-15
Arsenic (As)			110.1		%		70-130	12-MAY-15
Barium (Ba)			122.9		%		70-130	12-MAY-15
Beryllium (Be)			100.1		%		70-130	12-MAY-15
Cadmium (Cd)			101.2		%		70-130	12-MAY-15
Chromium (Cr)			113.3		%		70-130	12-MAY-15
Cobalt (Co)			108.2		%		70-130	12-MAY-15
Copper (Cu)			103.1		%		70-130	12-MAY-15
Lead (Pb)			97.5		%		70-130	12-MAY-15
Molybdenum (Mo)			98.8		%		70-130	12-MAY-15
Nickel (Ni)			107.7		%		70-130	12-MAY-15
Selenium (Se)			104.7		%		70-130	12-MAY-15
Silver (Ag)			104.3		%		70-130	12-MAY-15
Thallium (Tl)			103.8		%		70-130	12-MAY-15
Uranium (U)			114.7		%		70-130	12-MAY-15
Vanadium (V)			116.2		%		70-130	12-MAY-15
Zinc (Zn)			106.6		%		70-130	12-MAY-15
<b>WG2086346-6</b>	<b>DUP</b>	<b>L1609636-3</b>						
Antimony (Sb)		<1.0	0.62		ug/g	2.8	30	12-MAY-15
Arsenic (As)		8.5	8.29		ug/g	2.0	30	12-MAY-15
Barium (Ba)		73.8	72.1		ug/g	2.4	40	12-MAY-15
Beryllium (Be)		<0.50	0.48		ug/g	0.8	30	12-MAY-15
Boron (B)		11.3	11.3		ug/g	0.3	30	12-MAY-15
Cadmium (Cd)		1.08	1.07		ug/g	1.1	30	12-MAY-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3189817</b>							
<b>WG2086346-6</b>	<b>DUP</b>	<b>L1609636-3</b>						
Chromium (Cr)		18.4	18.0		ug/g	2.4	30	12-MAY-15
Cobalt (Co)		6.7	6.60		ug/g	1.2	30	12-MAY-15
Copper (Cu)		30.1	29.4		ug/g	2.3	30	12-MAY-15
Lead (Pb)		126	124		ug/g	1.2	40	12-MAY-15
Molybdenum (Mo)		1.1	1.16		ug/g	8.0	40	12-MAY-15
Nickel (Ni)		16.1	15.9		ug/g	1.4	30	12-MAY-15
Selenium (Se)		<1.0	0.56		ug/g	3.7	30	12-MAY-15
Silver (Ag)		<0.20	<0.10	RPD-NA	ug/g	N/A	40	12-MAY-15
Thallium (Tl)		<0.50	0.173		ug/g	4.5	30	12-MAY-15
Uranium (U)		<1.0	0.578		ug/g	0.9	30	12-MAY-15
Vanadium (V)		31.8	31.4		ug/g	1.2	30	12-MAY-15
Zinc (Zn)		554	555		ug/g	0.1	30	12-MAY-15
<b>WG2086346-3</b>	<b>LCS</b>							
Antimony (Sb)			107.0		%		80-120	12-MAY-15
Arsenic (As)			103.9		%		80-120	12-MAY-15
Barium (Ba)			110.6		%		80-120	12-MAY-15
Beryllium (Be)			100.0		%		80-120	12-MAY-15
Boron (B)			97.8		%		80-120	12-MAY-15
Cadmium (Cd)			94.6		%		80-120	12-MAY-15
Chromium (Cr)			103.7		%		80-120	12-MAY-15
Cobalt (Co)			104.2		%		80-120	12-MAY-15
Copper (Cu)			99.4		%		80-120	12-MAY-15
Lead (Pb)			105.1		%		80-120	12-MAY-15
Molybdenum (Mo)			100.1		%		80-120	12-MAY-15
Nickel (Ni)			102.4		%		80-120	12-MAY-15
Selenium (Se)			101.3		%		80-120	12-MAY-15
Silver (Ag)			100.2		%		80-120	12-MAY-15
Thallium (Tl)			99.7		%		80-120	12-MAY-15
Uranium (U)			101.2		%		80-120	12-MAY-15
Vanadium (V)			107.3		%		80-120	12-MAY-15
Zinc (Zn)			98.1		%		80-120	12-MAY-15
<b>WG2086346-1</b>	<b>MB</b>							
Antimony (Sb)			<0.10		mg/kg		0.1	12-MAY-15
Arsenic (As)			<0.10				0.1	



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3189817</b>							
<b>WG2086346-1</b>	<b>MB</b>							
Arsenic (As)			<0.10		mg/kg		0.1	12-MAY-15
Barium (Ba)			<0.50		mg/kg		0.5	12-MAY-15
Beryllium (Be)			<0.10		mg/kg		0.1	12-MAY-15
Boron (B)			<5.0		mg/kg		5	12-MAY-15
Cadmium (Cd)			<0.020		mg/kg		0.02	12-MAY-15
Chromium (Cr)			<0.50		mg/kg		0.5	12-MAY-15
Cobalt (Co)			<0.10		mg/kg		0.1	12-MAY-15
Copper (Cu)			<0.50		mg/kg		0.5	12-MAY-15
Lead (Pb)			<0.50		mg/kg		0.5	12-MAY-15
Molybdenum (Mo)			<0.10		mg/kg		0.1	12-MAY-15
Nickel (Ni)			<0.50		mg/kg		0.5	12-MAY-15
Selenium (Se)			<0.20		mg/kg		0.2	12-MAY-15
Silver (Ag)			<0.10		mg/kg		0.1	12-MAY-15
Thallium (Tl)			<0.050		mg/kg		0.05	12-MAY-15
Uranium (U)			<0.050		mg/kg		0.05	12-MAY-15
Vanadium (V)			<0.20		mg/kg		0.2	12-MAY-15
Zinc (Zn)			<2.0		mg/kg		2	12-MAY-15
<b>MOISTURE-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188273</b>							
<b>WG2085741-3</b>	<b>DUP</b>	<b>L1608388-1</b>						
% Moisture		19.5	19.6		%	0.6	20	12-MAY-15
<b>WG2085741-2</b>	<b>LCS</b>							
% Moisture			103.7		%		70-130	12-MAY-15
<b>WG2085741-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	12-MAY-15
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188840</b>							
<b>WG2086768-1</b>	<b>CVS</b>							
1-Methylnaphthalene			94.7		%		50-140	12-MAY-15
2-Methylnaphthalene			95.9		%		50-140	12-MAY-15
Acenaphthene			98.1		%		50-140	12-MAY-15
Acenaphthylene			97.0		%		50-140	12-MAY-15
Anthracene			96.6		%		50-140	12-MAY-15
Benzo(a)anthracene			97.9		%		50-140	12-MAY-15



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3188840</b>							
<b>WG2086768-1</b>	<b>CVS</b>							
Benzo(a)pyrene			102.3		%		50-140	12-MAY-15
Benzo(b)fluoranthene			99.6		%		50-140	12-MAY-15
Benzo(g,h,i)perylene			97.0		%		50-140	12-MAY-15
Benzo(k)fluoranthene			92.6		%		50-140	12-MAY-15
Chrysene			104.7		%		50-140	12-MAY-15
Dibenzo(ah)anthracene			94.8		%		50-140	12-MAY-15
Fluoranthene			97.1		%		50-140	12-MAY-15
Fluorene			98.3		%		50-140	12-MAY-15
Indeno(1,2,3-cd)pyrene			93.5		%		50-140	12-MAY-15
Naphthalene			97.3		%		50-140	12-MAY-15
Phenanthrene			99.1		%		50-140	12-MAY-15
Pyrene			103.2		%		50-140	12-MAY-15
<b>WG2086768-2</b>	<b>CVS</b>							
1-Methylnaphthalene			94.3		%		50-140	13-MAY-15
2-Methylnaphthalene			95.0		%		50-140	13-MAY-15
Acenaphthene			96.7		%		50-140	13-MAY-15
Acenaphthylene			96.6		%		50-140	13-MAY-15
Anthracene			96.9		%		50-140	13-MAY-15
Benzo(a)anthracene			96.1		%		50-140	13-MAY-15
Benzo(a)pyrene			100.5		%		50-140	13-MAY-15
Benzo(b)fluoranthene			97.1		%		50-140	13-MAY-15
Benzo(g,h,i)perylene			98.7		%		50-140	13-MAY-15
Benzo(k)fluoranthene			92.3		%		50-140	13-MAY-15
Chrysene			101.2		%		50-140	13-MAY-15
Dibenzo(ah)anthracene			98.3		%		50-140	13-MAY-15
Fluoranthene			96.4		%		50-140	13-MAY-15
Fluorene			96.6		%		50-140	13-MAY-15
Indeno(1,2,3-cd)pyrene			96.1		%		50-140	13-MAY-15
Naphthalene			95.8		%		50-140	13-MAY-15
Phenanthrene			98.5		%		50-140	13-MAY-15
Pyrene			102.9		%		50-140	13-MAY-15
<b>WG2085781-5</b>	<b>DUP</b>	<b>WG2085781-4</b>						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	12-MAY-15
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	12-MAY-15





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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188840</b>							
<b>WG2085781-5</b>	<b>DUP</b>	<b>WG2085781-4</b>						
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(a)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(b)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(g,h,i)perylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Chrysene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Phenanthrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
<b>WG2085781-8</b>	<b>DUP</b>	<b>WG2085781-7</b>						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	14-MAY-15
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	14-MAY-15
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Benzo(a)anthracene		0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Benzo(b)fluoranthene		0.065	0.059		ug/g	8.7	40	14-MAY-15
Benzo(g,h,i)perylene		0.097	0.090		ug/g	7.4	40	14-MAY-15
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Chrysene		0.058	0.058		ug/g	1.1	40	14-MAY-15
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Fluoranthene		0.078	0.075		ug/g	4.4	40	14-MAY-15
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15



### Quality Control Report

Workorder: L1609636

Report Date: 25-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188840</b>							
<b>WG2085781-8</b>	<b>DUP</b>	<b>WG2085781-7</b>						
Phenanthrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Pyrene		0.101	0.098		ug/g	2.5	40	14-MAY-15
<b>WG2085781-3</b>	<b>IRM</b>	<b>ALS PAH1 RM</b>						
1-Methylnaphthalene			93.8		%		50-140	12-MAY-15
2-Methylnaphthalene			101.7		%		50-140	12-MAY-15
Acenaphthene			79.1		%		50-140	12-MAY-15
Acenaphthylene			108.3		%		50-140	12-MAY-15
Anthracene			72.8		%		50-140	12-MAY-15
Benzo(a)anthracene			112.0		%		50-140	12-MAY-15
Benzo(a)pyrene			100.6		%		50-140	12-MAY-15
Benzo(b)fluoranthene			108.2		%		50-140	12-MAY-15
Benzo(g,h,i)perylene			108.1		%		50-140	12-MAY-15
Benzo(k)fluoranthene			88.7		%		50-140	12-MAY-15
Chrysene			111.1		%		50-140	12-MAY-15
Dibenzo(ah)anthracene			138.1		%		50-140	12-MAY-15
Fluoranthene			112.3		%		50-140	12-MAY-15
Fluorene			74.0		%		50-140	12-MAY-15
Indeno(1,2,3-cd)pyrene			114.6		%		50-140	12-MAY-15
Naphthalene			98.3		%		50-140	12-MAY-15
Phenanthrene			103.1		%		50-140	12-MAY-15
Pyrene			109.6		%		50-140	12-MAY-15
<b>WG2085781-2</b>	<b>LCS</b>							
1-Methylnaphthalene			87.3		%		50-140	12-MAY-15
2-Methylnaphthalene			88.2		%		50-140	12-MAY-15
Acenaphthene			91.0		%		50-140	12-MAY-15
Acenaphthylene			92.7		%		50-140	12-MAY-15
Anthracene			90.9		%		50-140	12-MAY-15
Benzo(a)anthracene			93.4		%		50-140	12-MAY-15
Benzo(a)pyrene			94.2		%		50-140	12-MAY-15
Benzo(b)fluoranthene			90.6		%		50-140	12-MAY-15
Benzo(g,h,i)perylene			86.8		%		50-140	12-MAY-15
Benzo(k)fluoranthene			86.5		%		50-140	12-MAY-15
Chrysene			91.9		%		50-140	12-MAY-15
Dibenzo(ah)anthracene			89.6		%		50-140	12-MAY-15



### Quality Control Report

Workorder: L1609636

Report Date: 25-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188840</b>							
<b>WG2085781-2</b>	<b>LCS</b>							
Fluoranthene			91.8		%		50-140	12-MAY-15
Fluorene			92.9		%		50-140	12-MAY-15
Indeno(1,2,3-cd)pyrene			86.7		%		50-140	12-MAY-15
Naphthalene			88.7		%		50-140	12-MAY-15
Phenanthrene			90.0		%		50-140	12-MAY-15
Pyrene			96.0		%		50-140	12-MAY-15
<b>WG2085781-1</b>	<b>MB</b>							
1-Methylnaphthalene			<0.030		ug/g		0.03	12-MAY-15
2-Methylnaphthalene			<0.030		ug/g		0.03	12-MAY-15
Acenaphthene			<0.050		ug/g		0.05	12-MAY-15
Acenaphthylene			<0.050		ug/g		0.05	12-MAY-15
Anthracene			<0.050		ug/g		0.05	12-MAY-15
Benzo(a)anthracene			<0.050		ug/g		0.05	12-MAY-15
Benzo(a)pyrene			<0.050		ug/g		0.05	12-MAY-15
Benzo(b)fluoranthene			<0.050		ug/g		0.05	12-MAY-15
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	12-MAY-15
Benzo(k)fluoranthene			<0.050		ug/g		0.05	12-MAY-15
Chrysene			<0.050		ug/g		0.05	12-MAY-15
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	12-MAY-15
Fluoranthene			<0.050		ug/g		0.05	12-MAY-15
Fluorene			<0.050		ug/g		0.05	12-MAY-15
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	12-MAY-15
Naphthalene			<0.050		ug/g		0.05	12-MAY-15
Phenanthrene			<0.050		ug/g		0.05	12-MAY-15
Pyrene			<0.050		ug/g		0.05	12-MAY-15
Surrogate: 2-Fluorobiphenyl			93.8		%		50-140	12-MAY-15
Surrogate: p-Terphenyl d14			94.4		%		50-140	12-MAY-15
<b>PCB-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188366</b>							
<b>WG2086426-1</b>	<b>CVS</b>							
Aroclor 1242			107.2		%		60-140	12-MAY-15
Aroclor 1248			99.6		%		60-140	12-MAY-15
Aroclor 1254			98.5		%		60-140	12-MAY-15
Aroclor 1260			100.5		%		60-140	12-MAY-15



### Quality Control Report

Workorder: L1609636

Report Date: 25-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PCB-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188366</b>							
<b>WG2085781-5</b>	<b>DUP</b>	<b>WG2085781-4</b>						
Aroclor 1242		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
Aroclor 1248		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
Aroclor 1254		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
Aroclor 1260		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
<b>WG2085781-8</b>	<b>DUP</b>	<b>WG2085781-7</b>						
Aroclor 1242		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
Aroclor 1248		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
Aroclor 1254		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
Aroclor 1260		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
<b>WG2085781-2</b>	<b>LCS</b>							
Aroclor 1242			98.0		%		60-140	12-MAY-15
Aroclor 1248			102.4		%		60-140	12-MAY-15
Aroclor 1254			87.4		%		60-140	12-MAY-15
Aroclor 1260			90.7		%		60-140	12-MAY-15
<b>WG2085781-1</b>	<b>MB</b>							
Aroclor 1242			<0.010		ug/g		0.01	12-MAY-15
Aroclor 1248			<0.010		ug/g		0.01	12-MAY-15
Aroclor 1254			<0.010		ug/g		0.01	12-MAY-15
Aroclor 1260			<0.010		ug/g		0.01	12-MAY-15
Surrogate: d14-Terphenyl			100.2		%		60-140	12-MAY-15
<b>WG2085781-6</b>	<b>MS</b>	<b>WG2085781-4</b>						
Aroclor 1242			105.5		%		60-140	12-MAY-15
Aroclor 1254			93.7		%		60-140	12-MAY-15
Aroclor 1260			107.9		%		60-140	12-MAY-15
<b>WG2085781-9</b>	<b>MS</b>	<b>WG2085781-7</b>						
Aroclor 1242			105.0		%		60-140	14-MAY-15
Aroclor 1254			91.6		%		60-140	14-MAY-15
Aroclor 1260			95.8		%		60-140	14-MAY-15
<b>PH-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188364</b>							
<b>WG2085750-1</b>	<b>DUP</b>	<b>L1608388-2</b>						
pH		7.25	7.47	J	pH units	0.22	0.3	12-MAY-15
<b>WG2086467-1</b>	<b>LCS</b>							
pH			6.96		pH units		6.7-7.3	12-MAY-15
<b>WG2086467-2</b>	<b>LCS</b>							



### Quality Control Report

Workorder: L1609636

Report Date: 25-MAY-15

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PH-R511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3188364</b>							
<b>WG2086467-2</b>	<b>LCS</b>							
pH			7.00		pH units		6.7-7.3	12-MAY-15
<b>SAR-R511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3188376</b>							
<b>WG2086345-4</b>	<b>DUP</b>	<b>WG2086345-3</b>						
Calcium (Ca)		7.7	8.2		mg/L	6.2	40	12-MAY-15
Sodium (Na)		25.2	25.3		mg/L	0.3	40	12-MAY-15
Magnesium (Mg)		<1.0	<1.0	RPD-NA	mg/L	N/A	40	12-MAY-15
<b>WG2086345-2</b>	<b>IRM</b>	<b>WT SAR1</b>						
Calcium (Ca)			108.0		%		70-130	12-MAY-15
Sodium (Na)			104.9		%		70-130	12-MAY-15
Magnesium (Mg)			106.0		%		70-130	12-MAY-15
<b>WG2086345-1</b>	<b>MB</b>							
Calcium (Ca)			<1.0		mg/L		1	12-MAY-15
Sodium (Na)			<1.0		mg/L		1	12-MAY-15
Magnesium (Mg)			<1.0		mg/L		1	12-MAY-15

# Quality Control Report

Workorder: L1609636

Report Date: 25-MAY-15

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7  
Contact: MAURO CORTES/DIRK GEVAERT

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## Legend:

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Limit ALS Control Limit (Data Quality Objectives)  
DUP Duplicate  
RPD Relative Percent Difference  
N/A Not Available  
LCS Laboratory Control Sample  
SRM Standard Reference Material  
MS Matrix Spike  
MSD Matrix Spike Duplicate  
ADE Average Desorption Efficiency  
MB Method Blank  
IRM Internal Reference Material  
CRM Certified Reference Material  
CCV Continuing Calibration Verification  
CVS Calibration Verification Standard  
LCSD Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

---

# Quality Control Report

Workorder: L1609636

Report Date: 25-MAY-15

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7  
Contact: MAURO CORTES/DIRK GEVAERT

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## Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
<b>Cyanides</b>							
Weak Acid Diss. Cyanide in soil by CFA							
	1	04-MAY-15 11:30	21-MAY-15 14:39	14	17	days	EHT
	2	05-MAY-15 10:15	21-MAY-15 14:39	14	16	days	EHT
	3	05-MAY-15 15:15	21-MAY-15 14:39	14	16	days	EHT
	4	06-MAY-15 12:00	21-MAY-15 14:39	14	15	days	EHT
	5	06-MAY-15 12:30	21-MAY-15 14:39	14	15	days	EHT
	6	06-MAY-15 15:30	21-MAY-15 14:39	14	15	days	EHT

## Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.  
EHTR: Exceeded ALS recommended hold time prior to sample receipt.  
EHTL: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.  
EHT: Exceeded ALS recommended hold time prior to analysis.  
Rec. HT: ALS recommended hold time (see units).

Notes\*:  
Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.  
Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L1609636 were received on 08-MAY-15 17:08.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



<b>Report To</b>		<b>Report Format / Distribution</b>			<b>Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)</b>									
Company: <u>AMEC FOSTER WHEELER</u>		Select Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			R <input checked="" type="checkbox"/> Regular (Standard TAT if received by 3pm)									
Contact: <u>MAURO CORTES</u>		Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			P <input type="checkbox"/> Priority (2-4 business days if received by 3pm)									
Address: <u>900 Maple Grove Rd, Cambridge ON</u>		<input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked			E <input type="checkbox"/> Emergency (1-2 business days if received by 3pm)									
Phone: <u>519-650-7100</u>		Select Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			E2 <input type="checkbox"/> Same day or weekend emergency if received by 10am - contact ALS for surcharge.									
		Email 1 or Fax: <u>MAURO.CORTES@AMECFW.COM</u>			Specify Date Required for E2, E or P:									
		Email 2: <u>HEKMAN.PADHAM@AMECFW.COM</u>			<b>Analysis Request</b>									
Invoice To: Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Invoice Distribution</b>			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below									
Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX												
Company:		Email 1 or Fax:			<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Oil and Gas Required Fields (client use)</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">                 0 Reg 153 metals / organ                  PAMS                  PHC FI to FL                  PCBs             </div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Number of Containers</div> </div>									
Contact:		Email 2:												
<b>Project Information</b>		<b>Oil and Gas Required Fields (client use)</b>												
ALS Quote #: <u>Q29243</u>		Approver ID:												
Job #: <u>SINC 157090</u>		GL Account:												
PO / AFE:		Activity Code:												
LSD:		Location:												
ALS Lab Work Order # (lab use only): <u>U609026 MAY 14</u>		ALS Contact: <u>MLP</u>			Sampler: <u>NP</u>									
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type										
1	BH24 S52	04-May-15	1130	SOIL	✓									1
2	BH24A S52	05-May-15	1015		✓									1
3	BH25 S52	05-May-15	1515		✓	✓	✓	✓						5
4	BH26 S52 / S53	06-May-15	1200		✓	✓	✓	✓						5
5	BH26 S56	06-May-15	1230		✓									1
6	BH27 S52	06-May-15	1530		✓									1
7	BH28 S52	07-May-15	0845		✓									1
8	BH31 S52	07-May-15	1315		✓	✓	✓	✓						5
9	BH32 S54	08-May-15	1215		✓									
<b>Drinking Water (DW) Samples<sup>1</sup> (client use)</b>		<b>Special Instructions / Specify Criteria to add on report (client Use)</b>			<b>SAMPLE CONDITION AS RECEIVED (lab use only)</b>									
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		- Beware of metal & glass debris - Table 1 & 2			Frozen: <input type="checkbox"/> SIF Observations Yes <input type="checkbox"/> No <input type="checkbox"/>									
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Ice packs: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Custody seal intact: Yes <input type="checkbox"/> No <input type="checkbox"/>									
					Cooling Initiated: <input checked="" type="checkbox"/>									
					INITIAL COOLER TEMPERATURES °C: <u>6.8</u> FINAL COOLER TEMPERATURES °C:									
<b>SHIPMENT RELEASE (client use)</b>		<b>INITIAL SHIPMENT RECEPTION (lab use only)</b>			<b>FINAL SHIPMENT RECEPTION (lab use only)</b>									
Released by: <u>H. Prodam</u> Date: <u>May 8/15</u> Time: <u>1705</u>		Received by: _____ Date: _____ Time: _____			Received by: <u>Mm</u> Date: <u>May 8/15</u> Time: <u>17:08</u>									





AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 11-MAY-15  
Report Date: 25-MAY-15 10:50 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1609856  
Project P.O. #: NOT SUBMITTED  
Job Reference: SWC157090  
C of C Numbers: 14458228  
Legal Site Desc:

Mary-Lynn Pires  
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609856-1	BH30 SS3								
Sampled By: H. PADHAM on 11-MAY-15 @ 08:2									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.246		0.0040	mS/cm	12-MAY-15	0.57	1.4	0.7
	% Moisture	27.6		0.10	%	12-MAY-15			
	pH	7.40		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.34		0.10	SAR	12-MAY-15	2.4	12	5
	Calcium (Ca)	31.4		1.0	mg/L	12-MAY-15			
	Magnesium (Mg)	5.5		1.0	mg/L	12-MAY-15			
	Sodium (Na)	7.9		1.0	mg/L	12-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	35.1		1.0	ug/g	12-MAY-15	*1.3	40	*7.5
	Arsenic (As)	63.0		1.0	ug/g	12-MAY-15	*18	*18	*18
	Barium (Ba)	1080		1.0	ug/g	12-MAY-15	*220	*670	*390
	Beryllium (Be)	2.27		0.50	ug/g	12-MAY-15	2.5	8	4
	Boron (B)	62.3		5.0	ug/g	12-MAY-15	*36	120	120
	Boron (B), Hot Water Ext.	2.80		0.10	ug/g	12-MAY-15	36	*2	*1.5
	Cadmium (Cd)	7.09		0.50	ug/g	12-MAY-15	*1.2	*1.9	*1.2
	Chromium (Cr)	37.9		1.0	ug/g	12-MAY-15	70	160	160
	Cobalt (Co)	27.5		1.0	ug/g	12-MAY-15	*21	80	*22
	Copper (Cu)	117		1.0	ug/g	12-MAY-15	*92	230	140
	Lead (Pb)	34800		1.0	ug/g	12-MAY-15	*120	*120	*120
	Mercury (Hg)	0.231		0.0050	ug/g	12-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	8.3		1.0	ug/g	12-MAY-15	*2	40	*6.9
	Nickel (Ni)	54.3		1.0	ug/g	12-MAY-15	82	270	100
	Selenium (Se)	4.3		1.0	ug/g	12-MAY-15	*1.5	5.5	*2.4
	Silver (Ag)	0.80		0.20	ug/g	12-MAY-15	*0.5	40	20
	Thallium (Tl)	1.17		0.50	ug/g	12-MAY-15	*1	3.3	*1
	Uranium (U)	1.7		1.0	ug/g	12-MAY-15	2.5	33	23
	Vanadium (V)	48.1		1.0	ug/g	12-MAY-15	86	86	86
	Zinc (Zn)	1180		5.0	ug/g	12-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
L1609856-2	BH29 SS2/SS3								
Sampled By: H. PADHAM on 11-MAY-15 @ 10:0									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	1.14		0.0040	mS/cm	13-MAY-15	*0.57	1.4	*0.7
	% Moisture	32.8		0.10	%	12-MAY-15			
	pH	7.25		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609856-2	BH29 SS2/SS3								
Sampled By: H. PADHAM on 11-MAY-15 @ 10:00									
Matrix: SOIL									
<b>Saturated Paste Extractables</b>									
	SAR	1.18		0.10	SAR	14-MAY-15	2.4	12	5
	Calcium (Ca)	190		1.0	mg/L	14-MAY-15			
	Magnesium (Mg)	12.1		1.0	mg/L	14-MAY-15			
	Sodium (Na)	62.3		1.0	mg/L	14-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	7.5		1.0	ug/g	14-MAY-15	*1.3	40	7.5
	Arsenic (As)	55.3		1.0	ug/g	14-MAY-15	*18	*18	*18
	Barium (Ba)	199		1.0	ug/g	14-MAY-15	220	670	390
	Beryllium (Be)	2.11		0.50	ug/g	14-MAY-15	2.5	8	4
	Boron (B)	20.5		5.0	ug/g	14-MAY-15	36	120	120
	Boron (B), Hot Water Ext.	2.03		0.10	ug/g	14-MAY-15	36	*2	*1.5
	Cadmium (Cd)	2.21		0.50	ug/g	14-MAY-15	*1.2	*1.9	*1.2
	Chromium (Cr)	36.3		1.0	ug/g	14-MAY-15	70	160	160
	Cobalt (Co)	25.2		1.0	ug/g	14-MAY-15	*21	80	*22
	Copper (Cu)	230		1.0	ug/g	14-MAY-15	*92	230	*140
	Lead (Pb)	699		1.0	ug/g	14-MAY-15	*120	*120	*120
	Mercury (Hg)	1.21		0.0050	ug/g	13-MAY-15	*0.27	3.9	*0.27
	Molybdenum (Mo)	9.2		1.0	ug/g	14-MAY-15	*2	40	*6.9
	Nickel (Ni)	103		1.0	ug/g	14-MAY-15	*82	270	*100
	Selenium (Se)	4.9		1.0	ug/g	14-MAY-15	*1.5	5.5	*2.4
	Silver (Ag)	1.29		0.20	ug/g	14-MAY-15	*0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	14-MAY-15	1	3.3	1
	Uranium (U)	1.7		1.0	ug/g	14-MAY-15	2.5	33	23
	Vanadium (V)	40.3		1.0	ug/g	14-MAY-15	86	86	86
	Zinc (Zn)	1650		5.0	ug/g	14-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	12-MAY-15	0.66	8	8
<b>Hydrocarbons</b>									
	F1 (C6-C10)	<5.0		5.0	ug/g	12-MAY-15	25	55	55
	F2 (C10-C16)	19		10	ug/g	13-MAY-15	*10	230	98
	F2-Naphth	19		10	ug/g	13-MAY-15			
	F3 (C16-C34)	1220		50	ug/g	13-MAY-15	*240	1700	*300
	F3-PAH	1210		50	ug/g	13-MAY-15			
	F4 (C34-C50)	577		50	ug/g	13-MAY-15	*120	3300	2800
	F4G-SG (GHH-Silica)	1750		250	mg/kg	12-MAY-15	*120	3300	2800
	Total Hydrocarbons (C6-C50)	1820		72	ug/g	13-MAY-15			
	Chrom. to baseline at nC50	NO			No Unit	13-MAY-15			
	Surrogate: 2-Bromobenzotrifluoride	88.1		60-140	%	13-MAY-15			
	Surrogate: 3,4-Dichlorotoluene	86.9		60-140	%	12-MAY-15			
<b>Polycyclic Aromatic Hydrocarbons</b>									
	Acenaphthene	<0.050		0.050	ug/g	13-MAY-15	0.072	21	7.9
	Acenaphthylene	0.135		0.050	ug/g	13-MAY-15	*0.093	0.15	0.15
	Anthracene	0.149		0.050	ug/g	13-MAY-15	0.16	0.67	0.67
	Benzo(a)anthracene	0.837		0.050	ug/g	13-MAY-15	*0.36	0.96	*0.5
	Benzo(a)pyrene	1.04		0.050	ug/g	13-MAY-15			

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#1: T1-Soil-Res/Park/Inst/Ind/Com/Commu Property Use

#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609856-2	BH29 SS2/SS3								
Sampled By: H. PADHAM on 11-MAY-15 @ 10:00									
Matrix: SOIL									
<b>Polycyclic Aromatic Hydrocarbons</b>									
						*0.3	*0.3	*0.3	
	Benzo(b)fluoranthene	1.40		0.050	ug/g	13-MAY-15	*0.47	*0.96	*0.78
	Benzo(g,h,i)perylene	0.723		0.050	ug/g	13-MAY-15	*0.68	9.6	6.6
	Benzo(k)fluoranthene	0.489		0.050	ug/g	13-MAY-15	*0.48	0.96	0.78
	Chrysene	0.890		0.050	ug/g	13-MAY-15	2.8	9.6	7
	Dibenzo(ah)anthracene	0.180		0.050	ug/g	13-MAY-15	*0.1	*0.1	*0.1
	Fluoranthene	1.51		0.050	ug/g	13-MAY-15	*0.56	9.6	*0.69
	Fluorene	<0.050		0.050	ug/g	13-MAY-15	0.12	62	62
	Indeno(1,2,3-cd)pyrene	0.710		0.050	ug/g	13-MAY-15	*0.23	0.76	*0.38
	1+2-Methylnaphthalenes	<0.042		0.042	ug/g	13-MAY-15	0.59	30	0.99
	1-Methylnaphthalene	<0.030		0.030	ug/g	13-MAY-15	0.59	30	0.99
	2-Methylnaphthalene	<0.030		0.030	ug/g	13-MAY-15	0.59	30	0.99
	Naphthalene	<0.050		0.050	ug/g	13-MAY-15	0.09	9.6	0.6
	Phenanthrene	0.391		0.050	ug/g	13-MAY-15	0.69	12	6.2
	Pyrene	1.50		0.050	ug/g	13-MAY-15	*1	96	78
	Surrogate: 2-Fluorobiphenyl	98.4		50-140	%	13-MAY-15			
	Surrogate: p-Terphenyl d14	109.3		50-140	%	13-MAY-15			
<b>Polychlorinated Biphenyls</b>									
	Aroclor 1242	<0.015	DLM	0.010	ug/g	13-MAY-15			
	Aroclor 1248	<0.010		0.010	ug/g	13-MAY-15			
	Aroclor 1254	<0.010		0.010	ug/g	13-MAY-15			
	Aroclor 1260	<0.010		0.010	ug/g	13-MAY-15			
	Total PCBs	<0.020		0.020	ug/g	13-MAY-15	0.3	1.1	0.35
	Surrogate: d14-Terphenyl	110.0		60-140	%	13-MAY-15			
L1609856-3	BH29 SS6								
Sampled By: H. PADHAM on 11-MAY-15 @ 10:00									
Matrix: SOIL									
<b>Physical Tests</b>									
	Conductivity	0.221		0.0040	mS/cm	13-MAY-15	0.57	1.4	0.7
	% Moisture	56.4		0.10	%	12-MAY-15			
	pH	7.51		0.10	pH units	12-MAY-15			
<b>Cyanides</b>									
	Cyanide, Weak Acid Diss	<0.050		0.050	mg/kg	23-MAY-15	0.051	0.051	0.051
<b>Saturated Paste Extractables</b>									
	SAR	0.47		0.10	SAR	14-MAY-15	2.4	12	5
	Calcium (Ca)	55.2		1.0	mg/L	14-MAY-15			
	Magnesium (Mg)	6.0		1.0	mg/L	14-MAY-15			
	Sodium (Na)	13.6		1.0	mg/L	14-MAY-15			
<b>Metals</b>									
	Antimony (Sb)	<1.0		1.0	ug/g	14-MAY-15	1.3	40	7.5
	Arsenic (As)	1.5		1.0	ug/g	14-MAY-15	18	18	18
	Barium (Ba)	184		1.0	ug/g	14-MAY-15	220	670	390
	Beryllium (Be)	<0.50		0.50	ug/g	14-MAY-15	2.5	8	4
	Boron (B)	<5.0		5.0	ug/g	14-MAY-15	36	120	120

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

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#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)



# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details		Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits		
Grouping	Analyte						#1	#2	#3
L1609856-3	BH29 SS6								
Sampled By: H. PADHAM on 11-MAY-15 @ 10:50									
Matrix: SOIL									
<b>Metals</b>									
	Boron (B), Hot Water Ext.	0.41		0.10	ug/g	14-MAY-15	36	2	1.5
	Cadmium (Cd)	0.99		0.50	ug/g	14-MAY-15	1.2	1.9	1.2
	Chromium (Cr)	1.7		1.0	ug/g	14-MAY-15	70	160	160
	Cobalt (Co)	<1.0		1.0	ug/g	14-MAY-15	21	80	22
	Copper (Cu)	8.5		1.0	ug/g	14-MAY-15	92	230	140
	Lead (Pb)	109		1.0	ug/g	14-MAY-15	120	120	120
	Mercury (Hg)	0.0143		0.0050	ug/g	13-MAY-15	0.27	3.9	0.27
	Molybdenum (Mo)	1.9		1.0	ug/g	14-MAY-15	2	40	6.9
	Nickel (Ni)	5.4		1.0	ug/g	14-MAY-15	82	270	100
	Selenium (Se)	<1.0		1.0	ug/g	14-MAY-15	1.5	5.5	2.4
	Silver (Ag)	<0.20		0.20	ug/g	14-MAY-15	0.5	40	20
	Thallium (Tl)	<0.50		0.50	ug/g	14-MAY-15	1	3.3	1
	Uranium (U)	<1.0		1.0	ug/g	14-MAY-15	2.5	33	23
	Vanadium (V)	1.7		1.0	ug/g	14-MAY-15	86	86	86
	Zinc (Zn)	2080		5.0	ug/g	14-MAY-15	*290	*340	*340
<b>Speciated Metals</b>									
	Chromium, Hexavalent	<0.20		0.20	ug/g	12-MAY-15	0.66	8	8

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Regulation 153/04 - April 15, 2011 Standards = [Suite] - ON-511-T1/T2-RPIICC/RPIICC-SOIL-COARSE**

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#2: T2-Soil-Ind/Com/Commu Property Use (Coarse)

#3: T2-Soil-Res/Park/Inst. Property Use (Coarse)

## Reference Information

**Sample Parameter Qualifier key listed:**

Qualifier	Description
DLM	Detection Limit Adjusted due to sample matrix effects.

**Methods Listed (if applicable):**

ALS Test Code	Matrix	Test Description	Method Reference***
B-HWS-R511-WT	Soil	Boron-HWE-O.Reg 153/04 (July 2011)	HW EXTR, EPA 6010B

A dried solid sample is extracted with calcium chloride, the sample undergoes a heating process. After cooling the sample is filtered and analyzed by ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

CN-WAD-NAOH-CFA-VA	Soil	Weak Acid Diss. Cyanide in soil by CFA	ONMOE CN-E3015/APHA 4500-CN CYANIDE
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This analysis is carried out using procedures adapted from the Ontario Ministry of Environment CN-E3015 and APHA Method 4500-CN I. "Weak Acid Dissociable Cyanide". Weak Acid Dissociable (WAD) cyanide is determined by rotary extraction of the soil with 0.04M Sodium Hydroxide, followed by in-line sample distillation with final determination by colourimetric analysis.

CR-CR6-IC-WT	Soil	Hexavalent Chromium in Soil	SW846 3060A/7199
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This analysis is carried out using procedures adapted from "Test Methods for Evaluating Solid Waste" SW-846, Method 7199, published by the United States Environmental Protection Agency (EPA). The procedure involves analysis for chromium (VI) by ion chromatography using diphenylcarbazide in a sulphuric acid solution.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

EC-R511-WT	Soil	Conductivity-O.Reg 153/04 (July 2011)	MOEE E3138
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A representative subsample is tumbled with de-ionized (DI) water. The ratio of water to soil is 2:1 v/w. After tumbling the sample is then analyzed by a conductivity meter.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

F1-F4-511-CALC-WT	Soil	F1-F4 Hydrocarbon Calculated Parameters	CCME CWS-PHC DEC-2000 - PUB# 1310-S
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Analytical methods used for analysis of CCME Petroleum Hydrocarbons have been validated and comply with the Reference Method for the CWS PHC.

Hydrocarbon results are expressed on a dry weight basis.

In cases where results for both F4 and F4G are reported, the greater of the two results must be used in any application of the CWS PHC guidelines and the gravimetric heavy hydrocarbons cannot be added to the C6 to C50 hydrocarbons.

In samples where BTEX and F1 were analyzed, F1-BTEX represents a value where the sum of Benzene, Toluene, Ethylbenzene and total Xylenes has been subtracted from F1.

In samples where PAHs, F2 and F3 were analyzed, F2-Naphth represents the result where Naphthalene has been subtracted from F2. F3-PAH represents a result where the sum of Benzo(a)anthracene, Benzo(a)pyrene, Benzo(b)fluoranthene, Benzo(k)fluoranthene, Dibenzo(a,h)anthracene, Fluoranthene, Indeno(1,2,3-cd)pyrene, Phenanthrene, and Pyrene has been subtracted from F3.

Unless otherwise qualified, the following quality control criteria have been met for the F1 hydrocarbon range:

1. All extraction and analysis holding times were met.
2. Instrument performance showing response factors for C6 and C10 within 30% of the response factor for toluene.
3. Linearity of gasoline response within 15% throughout the calibration range.

Unless otherwise qualified, the following quality control criteria have been met for the F2-F4 hydrocarbon ranges:

1. All extraction and analysis holding times were met.
2. Instrument performance showing C10, C16 and C34 response factors within 10% of their average.
3. Instrument performance showing the C50 response factor within 30% of the average of the C10, C16 and C34 response factors.
4. Linearity of diesel or motor oil response within 15% throughout the calibration range.

F1-HS-511-WT	Soil	F1-O.Reg 153/04 (July 2011)	E3398/CCME TIER 1-HS
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Fraction F1 is determined by extracting a soil or sediment sample as received with methanol, then analyzing by headspace-GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

## Reference Information

F2-F4-511-WT      Soil      F2-F4-O.Reg 153/04 (July 2011)      MOE DECPH-E3398/CCME TIER 1

Fractions F2, F3 and F4 are determined by extracting a soil sample with a solvent mix. The solvent recovered from the extracted soil sample is dried and treated to remove polar material. The extract is analyzed by GC/FID.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

F4G-ADD-511-WT      Soil      F4G SG-O.Reg 153/04 (July 2011)      MOE DECPH-E3398/CCME TIER 1

F4G, gravimetric analysis, is determined if the chromatogram does not return to baseline at or before C50. A soil sample is extracted with a solvent mix, the solvent is evaporated and the weight of the residue is determined.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

HG-200.2-CVAA-WT      Soil      Mercury in Soil by CVAAS      EPA 200.2/1631E (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CVAAS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

MET-200.2-CCMS-WT      Soil      Metals in Soil by CRC ICPMS      EPA 200.2/6020A (mod)

Soil samples are digested with nitric and hydrochloric acids, followed by analysis by CRC ICPMS.

Method Limitation: This method is not a total digestion technique. It is a very strong acid digestion that is intended to dissolve those metals that may be environmentally available. This method does not dissolve all silicate materials and may result in a partial extraction, depending on the sample matrix, for some metals, including, but not limited to Al, Ba, Be, Cr, Sr, Ti, Tl, and V.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

METHYLNAPS-CALC-WT      Soil      ABN-Calculated Parameters      SW846 8270

MOISTURE-WT      Soil      % Moisture      Gravimetric: Oven Dried

PAH-511-WT      Soil      PAH-O.Reg 153/04 (July 2011)      SW846 3510/8270

A representative sub-sample of soil is fortified with deuterium-labelled surrogates and a mechanical shaking technique is used to extract the sample with a mixture of methanol and toluene. The extracts are concentrated and analyzed by GC/MS. Depending on the analytical GC/MS column used benzo(j)fluoranthene may chromatographically co-elute with benzo(b)fluoranthene or benzo(k)fluoranthene.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011), unless a subset of the Analytical Test Group (ATG) has been requested (the Protocol states that all analytes in an ATG must be reported).

PCB-511-WT      Soil      PCB-O.Reg 153/04 (July 2011)      SW846 3510/8082

An aliquot of a solid sample is extracted with a solvent, extract is cleaned up and analyzed on the GC/MS.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

PH-R511-WT      Soil      pH-O.Reg 153/04 (July 2011)      MOEE E3137A

A minimum 10g portion of the sample is extracted with 20mL of 0.01M calcium chloride solution by shaking for at least 30 minutes. The aqueous layer is separated from the soil and then analyzed using a pH meter and electrode.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

SAR-R511-WT      Soil      SAR-O.Reg 153/04 (July 2011)      SW846 6010C

A dried, disaggregated solid sample is extracted with deionized water, the aqueous extract is separated from the solid, acidified and then analyzed using a ICP/OES.

Analysis conducted in accordance with the Protocol for Analytical Methods Used in the Assessment of Properties under Part XV.1 of the Environmental Protection Act (July 1, 2011).

\*\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

14458228

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

## Reference Information

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA	VA	ALS ENVIRONMENTAL - VANCOUVER, BRITISH COLUMBIA, CANADA

### GLOSSARY OF REPORT TERMS

*Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.*

*mg/kg - milligrams per kilogram based on dry weight of sample*

*mg/kg wwt - milligrams per kilogram based on wet weight of sample*

*mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight*

*mg/L - unit of concentration based on volume, parts per million.*

*< - Less than.*

*D.L. - The reporting limit.*

*N/A - Result not available. Refer to qualifier code and definition for explanation.*

*Test results reported relate only to the samples as received by the laboratory.*

*UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.*

*Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.*

*Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.*





### Quality Control Report

Workorder: L1609856

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>B-HWS-R511-WT</b>		<b>Soil</b>						
<b>Batch R3188363</b>								
<b>WG2086344-3</b>	<b>DUP</b>	<b>L1609915-2</b>						
Boron (B), Hot Water Ext.		<0.10	<0.10	RPD-NA	ug/g	N/A	40	12-MAY-15
<b>WG2086344-2</b>	<b>IRM</b>	<b>SALINITY_SOIL4</b>						
Boron (B), Hot Water Ext.			87.0		%		70-130	12-MAY-15
<b>WG2086344-1</b>	<b>MB</b>							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	12-MAY-15
<b>WG2086344-4</b>	<b>MS</b>	<b>L1609915-2</b>						
Boron (B), Hot Water Ext.			109.9		%		60-140	12-MAY-15
<b>Batch R3189963</b>								
<b>WG2087140-3</b>	<b>DUP</b>	<b>L1609857-1</b>						
Boron (B), Hot Water Ext.		0.95	0.98		ug/g	3.0	40	14-MAY-15
<b>WG2087140-2</b>	<b>IRM</b>	<b>SALINITY_SOIL4</b>						
Boron (B), Hot Water Ext.			90.4		%		70-130	14-MAY-15
<b>WG2087140-1</b>	<b>MB</b>							
Boron (B), Hot Water Ext.			<0.10		ug/g		0.1	14-MAY-15
<b>WG2087140-4</b>	<b>MS</b>	<b>L1609857-1</b>						
Boron (B), Hot Water Ext.			N/A	MS-B	%		-	14-MAY-15
<b>CN-WAD-NAOH-CFA-VA</b>		<b>Soil</b>						
<b>Batch R3194679</b>								
<b>WG2092453-4</b>	<b>DUP</b>	<b>L1609636-9</b>						
Cyanide, Weak Acid Diss		<0.050	<0.050	RPD-NA	mg/kg	N/A	35	23-MAY-15
<b>WG2092453-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<0.050		mg/kg		0.05	23-MAY-15
<b>CR-CR6-IC-WT</b>		<b>Soil</b>						
<b>Batch R3188995</b>								
<b>WG2085753-3</b>	<b>CRM</b>	<b>WT-SQC012</b>						
Chromium, Hexavalent			91.4		%		70-130	12-MAY-15
<b>WG2085753-4</b>	<b>DUP</b>	<b>L1609636-9</b>						
Chromium, Hexavalent		<0.20	<0.20	RPD-NA	ug/g	N/A	35	12-MAY-15
<b>WG2085753-2</b>	<b>LCS</b>							
Chromium, Hexavalent			96.0		%		80-120	12-MAY-15
<b>WG2085753-1</b>	<b>MB</b>							
Chromium, Hexavalent			<0.20		ug/g		0.2	12-MAY-15
<b>EC-R511-WT</b>		<b>Soil</b>						



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>EC-R511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188368</b>							
<b>WG2086345-4</b>	<b>DUP</b>	<b>WG2086345-3</b>						
Conductivity		0.166	0.169		mS/cm	1.8	20	12-MAY-15
Conductivity		0.166	0.169		mS/cm	1.8	20	12-MAY-15
<b>WG2086469-1</b>	<b>LCS</b>							
Conductivity			98.7		%		90-110	12-MAY-15
<b>WG2086469-2</b>	<b>LCS</b>							
Conductivity			98.8		%		90-110	12-MAY-15
<b>WG2086345-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	12-MAY-15
<b>Batch</b>	<b>R3189133</b>							
<b>WG2087141-4</b>	<b>DUP</b>	<b>WG2087141-3</b>						
Conductivity		0.100	0.101		mS/cm	1.0	20	13-MAY-15
<b>WG2087312-1</b>	<b>LCS</b>							
Conductivity			98.4		%		90-110	13-MAY-15
<b>WG2087141-1</b>	<b>MB</b>							
Conductivity			<0.0040		mS/cm		0.004	13-MAY-15
<b>F1-HS-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188345</b>							
<b>WG2086134-3</b>	<b>DUP</b>	<b>WG2086134-5</b>						
F1 (C6-C10)		16.5	21.9		ug/g	28	50	12-MAY-15
<b>WG2086134-2</b>	<b>LCS</b>							
F1 (C6-C10)			118.6		%		80-120	12-MAY-15
<b>WG2086134-1</b>	<b>MB</b>							
F1 (C6-C10)			<5.0		ug/g		5	12-MAY-15
Surrogate: 3,4-Dichlorotoluene			106.6		%		60-140	12-MAY-15
<b>WG2086134-7</b>	<b>MS</b>	<b>WG2086134-6</b>						
F1 (C6-C10)			136.9		%		60-140	12-MAY-15
<b>F2-F4-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3189128</b>							
<b>WG2086869-3</b>	<b>CRM</b>	<b>ALS PHC2 IRM</b>						
F2 (C10-C16)			92.6		%		70-130	13-MAY-15
F3 (C16-C34)			87.8		%		70-130	13-MAY-15
F4 (C34-C50)			85.1		%		70-130	13-MAY-15
<b>WG2087251-1</b>	<b>CVS</b>							
F2 (C10-C16)			106.2		%		80-120	13-MAY-15
F3 (C16-C34)			106.0		%		80-120	13-MAY-15
F4 (C34-C50)			113.0		%		80-120	13-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>F2-F4-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3189128</b>							
<b>WG2087251-2</b>	<b>CVS</b>							
F2 (C10-C16)			106.7		%		80-120	13-MAY-15
F3 (C16-C34)			106.4		%		80-120	13-MAY-15
F4 (C34-C50)			111.9		%		80-120	13-MAY-15
<b>WG2086869-5</b>	<b>DUP</b>	<b>WG2086869-4</b>						
F2 (C10-C16)		972	977		ug/g	0.5	40	13-MAY-15
F3 (C16-C34)		928	937		ug/g	0.9	40	13-MAY-15
F4 (C34-C50)		76	77		ug/g	0.4	40	13-MAY-15
<b>WG2086869-2</b>	<b>LCS</b>							
F2 (C10-C16)			99.7		%		80-120	13-MAY-15
F3 (C16-C34)			107.7		%		80-120	13-MAY-15
F4 (C34-C50)			108.3		%		80-120	13-MAY-15
<b>WG2086869-1</b>	<b>MB</b>							
F2 (C10-C16)			<10		ug/g		10	13-MAY-15
F3 (C16-C34)			<50		ug/g		50	13-MAY-15
F4 (C34-C50)			<50		ug/g		50	13-MAY-15
Surrogate: 2-Bromobenzotrifluoride			78.7		%		60-140	13-MAY-15
<b>F4G-ADD-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3189283</b>							
<b>WG2087592-2</b>	<b>LCS</b>							
F4G-SG (GHH-Silica)			77.5		%		60-140	12-MAY-15
<b>WG2087592-3</b>	<b>LCSD</b>	<b>WG2087592-2</b>						
F4G-SG (GHH-Silica)		77.5	75.4		%	2.8	50	12-MAY-15
<b>WG2087592-1</b>	<b>MB</b>							
F4G-SG (GHH-Silica)			<250		mg/kg		250	12-MAY-15
<b>HG-200.2-CVAA-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188518</b>							
<b>WG2086346-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Mercury (Hg)			82.8		%		70-130	12-MAY-15
<b>WG2086346-6</b>	<b>DUP</b>	<b>WG2086346-5</b>						
Mercury (Hg)		0.105	0.108		ug/g	2.7	40	12-MAY-15
<b>WG2086346-4</b>	<b>LCS</b>							
Mercury (Hg)			98.5		%		80-120	12-MAY-15
<b>WG2086346-1</b>	<b>MB</b>							
Mercury (Hg)			<0.0050		mg/kg		0.005	12-MAY-15



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900 MAPLE GROVE ROAD UNIT 10  
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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>HG-200.2-CVAA-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3189185</b>							
<b>WG2087143-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Mercury (Hg)			78.5		%		70-130	13-MAY-15
<b>WG2087143-6</b>	<b>DUP</b>	<b>WG2087143-5</b>						
Mercury (Hg)		0.0235	0.0214		ug/g	9.2	40	13-MAY-15
<b>WG2087143-4</b>	<b>LCS</b>							
Mercury (Hg)			96.5		%		80-120	13-MAY-15
<b>WG2087143-1</b>	<b>MB</b>							
Mercury (Hg)			<0.0050		mg/kg		0.005	13-MAY-15
<b>MET-200.2-CCMS-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3189817</b>							
<b>WG2086346-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Antimony (Sb)			106.4		%		70-130	12-MAY-15
Arsenic (As)			110.1		%		70-130	12-MAY-15
Barium (Ba)			122.9		%		70-130	12-MAY-15
Beryllium (Be)			100.1		%		70-130	12-MAY-15
Cadmium (Cd)			101.2		%		70-130	12-MAY-15
Chromium (Cr)			113.3		%		70-130	12-MAY-15
Cobalt (Co)			108.2		%		70-130	12-MAY-15
Copper (Cu)			103.1		%		70-130	12-MAY-15
Lead (Pb)			97.5		%		70-130	12-MAY-15
Molybdenum (Mo)			98.8		%		70-130	12-MAY-15
Nickel (Ni)			107.7		%		70-130	12-MAY-15
Selenium (Se)			104.7		%		70-130	12-MAY-15
Silver (Ag)			104.3		%		70-130	12-MAY-15
Thallium (Tl)			103.8		%		70-130	12-MAY-15
Uranium (U)			114.7		%		70-130	12-MAY-15
Vanadium (V)			116.2		%		70-130	12-MAY-15
Zinc (Zn)			106.6		%		70-130	12-MAY-15
<b>WG2086346-6</b>	<b>DUP</b>	<b>WG2086346-5</b>						
Antimony (Sb)		<1.0	0.62		ug/g	2.8	30	12-MAY-15
Arsenic (As)		8.5	8.29		ug/g	2.0	30	12-MAY-15
Barium (Ba)		73.8	72.1		ug/g	2.4	40	12-MAY-15
Beryllium (Be)		<0.50	0.48		ug/g	0.8	30	12-MAY-15
Boron (B)		11.3	11.3		ug/g	0.3	30	12-MAY-15
Cadmium (Cd)		1.08	1.07		ug/g	1.1	30	12-MAY-15



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**Client:** AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

**Contact:** MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3189817</b>							
<b>WG2086346-6</b>	<b>DUP</b>	<b>WG2086346-5</b>						
Chromium (Cr)		18.4	18.0		ug/g	2.4	30	12-MAY-15
Cobalt (Co)		6.7	6.60		ug/g	1.2	30	12-MAY-15
Copper (Cu)		30.1	29.4		ug/g	2.3	30	12-MAY-15
Lead (Pb)		126	124		ug/g	1.2	40	12-MAY-15
Molybdenum (Mo)		1.1	1.16		ug/g	8.0	40	12-MAY-15
Nickel (Ni)		16.1	15.9		ug/g	1.4	30	12-MAY-15
Selenium (Se)		<1.0	0.56		ug/g	3.7	30	12-MAY-15
Silver (Ag)		<0.20	<0.10	RPD-NA	ug/g	N/A	40	12-MAY-15
Thallium (Tl)		<0.50	0.173		ug/g	4.5	30	12-MAY-15
Uranium (U)		<1.0	0.578		ug/g	0.9	30	12-MAY-15
Vanadium (V)		31.8	31.4		ug/g	1.2	30	12-MAY-15
Zinc (Zn)		554	555		ug/g	0.1	30	12-MAY-15
<b>WG2086346-3</b>	<b>LCS</b>							
Antimony (Sb)			107.0		%		80-120	12-MAY-15
Arsenic (As)			103.9		%		80-120	12-MAY-15
Barium (Ba)			110.6		%		80-120	12-MAY-15
Beryllium (Be)			100.0		%		80-120	12-MAY-15
Boron (B)			97.8		%		80-120	12-MAY-15
Cadmium (Cd)			94.6		%		80-120	12-MAY-15
Chromium (Cr)			103.7		%		80-120	12-MAY-15
Cobalt (Co)			104.2		%		80-120	12-MAY-15
Copper (Cu)			99.4		%		80-120	12-MAY-15
Lead (Pb)			105.1		%		80-120	12-MAY-15
Molybdenum (Mo)			100.1		%		80-120	12-MAY-15
Nickel (Ni)			102.4		%		80-120	12-MAY-15
Selenium (Se)			101.3		%		80-120	12-MAY-15
Silver (Ag)			100.2		%		80-120	12-MAY-15
Thallium (Tl)			99.7		%		80-120	12-MAY-15
Uranium (U)			101.2		%		80-120	12-MAY-15
Vanadium (V)			107.3		%		80-120	12-MAY-15
Zinc (Zn)			98.1		%		80-120	12-MAY-15
<b>WG2086346-1</b>	<b>MB</b>							
Antimony (Sb)			<0.10		mg/kg		0.1	12-MAY-15
Arsenic (As)			<0.10				0.1	



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CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
<b>Soil</b>								
<b>Batch R3189817</b>								
<b>WG2086346-1 MB</b>								
			<0.10		mg/kg		0.1	12-MAY-15
			<0.50		mg/kg		0.5	12-MAY-15
			<0.10		mg/kg		0.1	12-MAY-15
			<5.0		mg/kg		5	12-MAY-15
			<0.020		mg/kg		0.02	12-MAY-15
			<0.50		mg/kg		0.5	12-MAY-15
			<0.10		mg/kg		0.1	12-MAY-15
			<0.50		mg/kg		0.5	12-MAY-15
			<0.50		mg/kg		0.5	12-MAY-15
			<0.10		mg/kg		0.1	12-MAY-15
			<0.10		mg/kg		0.1	12-MAY-15
			<0.050		mg/kg		0.05	12-MAY-15
			<0.050		mg/kg		0.05	12-MAY-15
			<0.20		mg/kg		0.2	12-MAY-15
			<0.10		mg/kg		0.1	12-MAY-15
			<0.050		mg/kg		0.05	12-MAY-15
			<0.20		mg/kg		0.2	12-MAY-15
			<2.0		mg/kg		2	12-MAY-15
<b>Batch R3190560</b>								
<b>WG2087143-2 CRM</b>								
<b>WT-CANMET-TILL1</b>								
			97.8		%		70-130	14-MAY-15
			106.8		%		70-130	14-MAY-15
			105.6		%		70-130	14-MAY-15
			88.6		%		70-130	14-MAY-15
			107.2		%		70-130	14-MAY-15
			112.0		%		70-130	14-MAY-15
			103.5		%		70-130	14-MAY-15
			99.0		%		70-130	14-MAY-15
			99.4		%		70-130	14-MAY-15
			92.6		%		70-130	14-MAY-15
			104.6		%		70-130	14-MAY-15
			107.1		%		70-130	14-MAY-15
			102.4		%		70-130	14-MAY-15
			102.5		%		70-130	14-MAY-15
			105.9		%		70-130	14-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
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CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT Soil</b>								
<b>Batch</b>	<b>R3190560</b>							
<b>WG2087143-2</b>	<b>CRM</b>	<b>WT-CANMET-TILL1</b>						
Vanadium (V)			114.5		%		70-130	14-MAY-15
Zinc (Zn)			101.6		%		70-130	14-MAY-15
<b>WG2087143-6</b>	<b>DUP</b>	<b>WG2087143-5</b>						
Antimony (Sb)		<1.0	0.53		ug/g	0.5	30	14-MAY-15
Arsenic (As)		3.3	3.24		ug/g	0.5	30	14-MAY-15
Barium (Ba)		36.4	36.2		ug/g	0.5	40	14-MAY-15
Beryllium (Be)		<0.50	0.22		ug/g	0.5	30	14-MAY-15
Boron (B)		26.0	25.8		ug/g	0.5	30	14-MAY-15
Cadmium (Cd)		<0.50	0.119		ug/g	0.5	30	14-MAY-15
Chromium (Cr)		12.3	12.3		ug/g	0.5	30	14-MAY-15
Cobalt (Co)		3.8	3.73		ug/g	0.5	30	14-MAY-15
Copper (Cu)		19.2	19.1		ug/g	0.5	30	14-MAY-15
Lead (Pb)		61.0	60.6		ug/g	0.5	40	14-MAY-15
Molybdenum (Mo)		<1.0	0.65		ug/g	0.5	40	14-MAY-15
Nickel (Ni)		9.1	9.00		ug/g	0.5	30	14-MAY-15
Selenium (Se)		<1.0	<0.20	RPD-NA	ug/g	N/A	30	14-MAY-15
Silver (Ag)		<0.20	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
Thallium (Tl)		<0.50	0.054		ug/g	0.5	30	14-MAY-15
Uranium (U)		<1.0	0.368		ug/g	0.5	30	14-MAY-15
Vanadium (V)		24.0	23.9		ug/g	0.5	30	14-MAY-15
Zinc (Zn)		62.4	62.0		ug/g	0.5	30	14-MAY-15
<b>WG2087143-3</b>	<b>LCS</b>							
Antimony (Sb)			98.6		%		80-120	14-MAY-15
Arsenic (As)			100.2		%		80-120	14-MAY-15
Barium (Ba)			102.1		%		80-120	14-MAY-15
Beryllium (Be)			91.1		%		80-120	14-MAY-15
Boron (B)			89.3		%		80-120	14-MAY-15
Cadmium (Cd)			103.5		%		80-120	14-MAY-15
Chromium (Cr)			98.2		%		80-120	14-MAY-15
Cobalt (Co)			98.2		%		80-120	14-MAY-15
Copper (Cu)			96.8		%		80-120	14-MAY-15
Lead (Pb)			102.0		%		80-120	14-MAY-15
Molybdenum (Mo)			96.1		%		80-120	14-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-200.2-CCMS-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3190560</b>							
<b>WG2087143-3</b>	<b>LCS</b>							
Nickel (Ni)			98.4		%		80-120	14-MAY-15
Selenium (Se)			99.2		%		80-120	14-MAY-15
Silver (Ag)			96.9		%		80-120	14-MAY-15
Thallium (Tl)			95.3		%		80-120	14-MAY-15
Uranium (U)			95.8		%		80-120	14-MAY-15
Vanadium (V)			101.9		%		80-120	14-MAY-15
Zinc (Zn)			92.5		%		80-120	14-MAY-15
<b>WG2087143-1</b>	<b>MB</b>							
Antimony (Sb)			<0.10		mg/kg		0.1	14-MAY-15
Arsenic (As)			<0.10		mg/kg		0.1	14-MAY-15
Barium (Ba)			<0.50		mg/kg		0.5	14-MAY-15
Beryllium (Be)			<0.10		mg/kg		0.1	14-MAY-15
Boron (B)			<5.0		mg/kg		5	14-MAY-15
Cadmium (Cd)			<0.020		mg/kg		0.02	14-MAY-15
Chromium (Cr)			<0.50		mg/kg		0.5	14-MAY-15
Cobalt (Co)			<0.10		mg/kg		0.1	14-MAY-15
Copper (Cu)			<0.50		mg/kg		0.5	14-MAY-15
Lead (Pb)			<0.50		mg/kg		0.5	14-MAY-15
Molybdenum (Mo)			<0.10		mg/kg		0.1	14-MAY-15
Nickel (Ni)			<0.50		mg/kg		0.5	14-MAY-15
Selenium (Se)			<0.20		mg/kg		0.2	14-MAY-15
Silver (Ag)			<0.10		mg/kg		0.1	14-MAY-15
Thallium (Tl)			<0.050		mg/kg		0.05	14-MAY-15
Uranium (U)			<0.050		mg/kg		0.05	14-MAY-15
Vanadium (V)			<0.20		mg/kg		0.2	14-MAY-15
Zinc (Zn)			<2.0		mg/kg		2	14-MAY-15
<b>MOISTURE-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188285</b>							
<b>WG2086124-3</b>	<b>DUP</b>	<b>L1609835-2</b>						
% Moisture		15.8	15.1		%	4.3	20	12-MAY-15
<b>WG2086124-2</b>	<b>LCS</b>							
% Moisture			99.9		%		70-130	12-MAY-15
<b>WG2086124-1</b>	<b>MB</b>							
% Moisture			<0.10		%		0.1	12-MAY-15





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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3188840</b>							
<b>WG2086768-1</b>	<b>CVS</b>							
1-Methylnaphthalene			94.7		%		50-140	12-MAY-15
2-Methylnaphthalene			95.9		%		50-140	12-MAY-15
Acenaphthene			98.1		%		50-140	12-MAY-15
Acenaphthylene			97.0		%		50-140	12-MAY-15
Anthracene			96.6		%		50-140	12-MAY-15
Benzo(a)anthracene			97.9		%		50-140	12-MAY-15
Benzo(a)pyrene			102.3		%		50-140	12-MAY-15
Benzo(b)fluoranthene			99.6		%		50-140	12-MAY-15
Benzo(g,h,i)perylene			97.0		%		50-140	12-MAY-15
Benzo(k)fluoranthene			92.6		%		50-140	12-MAY-15
Chrysene			104.7		%		50-140	12-MAY-15
Dibenzo(ah)anthracene			94.8		%		50-140	12-MAY-15
Fluoranthene			97.1		%		50-140	12-MAY-15
Fluorene			98.3		%		50-140	12-MAY-15
Indeno(1,2,3-cd)pyrene			93.5		%		50-140	12-MAY-15
Naphthalene			97.3		%		50-140	12-MAY-15
Phenanthrene			99.1		%		50-140	12-MAY-15
Pyrene			103.2		%		50-140	12-MAY-15
<b>WG2086768-2</b>	<b>CVS</b>							
1-Methylnaphthalene			94.3		%		50-140	13-MAY-15
2-Methylnaphthalene			95.0		%		50-140	13-MAY-15
Acenaphthene			96.7		%		50-140	13-MAY-15
Acenaphthylene			96.6		%		50-140	13-MAY-15
Anthracene			96.9		%		50-140	13-MAY-15
Benzo(a)anthracene			96.1		%		50-140	13-MAY-15
Benzo(a)pyrene			100.5		%		50-140	13-MAY-15
Benzo(b)fluoranthene			97.1		%		50-140	13-MAY-15
Benzo(g,h,i)perylene			98.7		%		50-140	13-MAY-15
Benzo(k)fluoranthene			92.3		%		50-140	13-MAY-15
Chrysene			101.2		%		50-140	13-MAY-15
Dibenzo(ah)anthracene			98.3		%		50-140	13-MAY-15
Fluoranthene			96.4		%		50-140	13-MAY-15
Fluorene			96.6		%		50-140	13-MAY-15
Indeno(1,2,3-cd)pyrene			96.1		%		50-140	13-MAY-15



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 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188840</b>							
<b>WG2086768-2</b>	<b>CVS</b>							
Naphthalene			95.8		%		50-140	13-MAY-15
Phenanthrene			98.5		%		50-140	13-MAY-15
Pyrene			102.9		%		50-140	13-MAY-15
<b>WG2085781-5</b>	<b>DUP</b>	<b>WG2085781-4</b>						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	12-MAY-15
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	12-MAY-15
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(a)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(b)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(g,h,i)perylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Chrysene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Phenanthrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
Pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	12-MAY-15
<b>WG2085781-8</b>	<b>DUP</b>	<b>WG2085781-7</b>						
1-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	14-MAY-15
2-Methylnaphthalene		<0.030	<0.030	RPD-NA	ug/g	N/A	40	14-MAY-15
Acenaphthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Acenaphthylene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Benzo(a)anthracene		0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Benzo(a)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Benzo(b)fluoranthene		0.065	0.059		ug/g	8.7	40	14-MAY-15
Benzo(g,h,i)perylene		0.097	0.090		ug/g	7.4	40	14-MAY-15
Benzo(k)fluoranthene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188840</b>							
<b>WG2085781-8</b>	<b>DUP</b>	<b>WG2085781-7</b>						
Chrysene		0.058	0.058		ug/g	1.1	40	14-MAY-15
Dibenzo(ah)anthracene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Fluoranthene		0.078	0.075		ug/g	4.4	40	14-MAY-15
Fluorene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Indeno(1,2,3-cd)pyrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Naphthalene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Phenanthrene		<0.050	<0.050	RPD-NA	ug/g	N/A	40	14-MAY-15
Pyrene		0.101	0.098		ug/g	2.5	40	14-MAY-15
<b>WG2085781-3</b>	<b>IRM</b>	<b>ALS PAH1 RM</b>						
1-Methylnaphthalene			93.8		%		50-140	12-MAY-15
2-Methylnaphthalene			101.7		%		50-140	12-MAY-15
Acenaphthene			79.1		%		50-140	12-MAY-15
Acenaphthylene			108.3		%		50-140	12-MAY-15
Anthracene			72.8		%		50-140	12-MAY-15
Benzo(a)anthracene			112.0		%		50-140	12-MAY-15
Benzo(a)pyrene			100.6		%		50-140	12-MAY-15
Benzo(b)fluoranthene			108.2		%		50-140	12-MAY-15
Benzo(g,h,i)perylene			108.1		%		50-140	12-MAY-15
Benzo(k)fluoranthene			88.7		%		50-140	12-MAY-15
Chrysene			111.1		%		50-140	12-MAY-15
Dibenzo(ah)anthracene			138.1		%		50-140	12-MAY-15
Fluoranthene			112.3		%		50-140	12-MAY-15
Fluorene			74.0		%		50-140	12-MAY-15
Indeno(1,2,3-cd)pyrene			114.6		%		50-140	12-MAY-15
Naphthalene			98.3		%		50-140	12-MAY-15
Phenanthrene			103.1		%		50-140	12-MAY-15
Pyrene			109.6		%		50-140	12-MAY-15
<b>WG2085781-2</b>	<b>LCS</b>							
1-Methylnaphthalene			87.3		%		50-140	12-MAY-15
2-Methylnaphthalene			88.2		%		50-140	12-MAY-15
Acenaphthene			91.0		%		50-140	12-MAY-15
Acenaphthylene			92.7		%		50-140	12-MAY-15
Anthracene			90.9		%		50-140	12-MAY-15
Benzo(a)anthracene			93.4		%		50-140	12-MAY-15



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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
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CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PAH-511-WT</b>	<b>Soil</b>							
<b>Batch</b>	<b>R3188840</b>							
<b>WG2085781-2</b>	<b>LCS</b>							
Benzo(a)pyrene			94.2		%		50-140	12-MAY-15
Benzo(b)fluoranthene			90.6		%		50-140	12-MAY-15
Benzo(g,h,i)perylene			86.8		%		50-140	12-MAY-15
Benzo(k)fluoranthene			86.5		%		50-140	12-MAY-15
Chrysene			91.9		%		50-140	12-MAY-15
Dibenzo(ah)anthracene			89.6		%		50-140	12-MAY-15
Fluoranthene			91.8		%		50-140	12-MAY-15
Fluorene			92.9		%		50-140	12-MAY-15
Indeno(1,2,3-cd)pyrene			86.7		%		50-140	12-MAY-15
Naphthalene			88.7		%		50-140	12-MAY-15
Phenanthrene			90.0		%		50-140	12-MAY-15
Pyrene			96.0		%		50-140	12-MAY-15
<b>WG2085781-1</b>	<b>MB</b>							
1-Methylnaphthalene			<0.030		ug/g		0.03	12-MAY-15
2-Methylnaphthalene			<0.030		ug/g		0.03	12-MAY-15
Acenaphthene			<0.050		ug/g		0.05	12-MAY-15
Acenaphthylene			<0.050		ug/g		0.05	12-MAY-15
Anthracene			<0.050		ug/g		0.05	12-MAY-15
Benzo(a)anthracene			<0.050		ug/g		0.05	12-MAY-15
Benzo(a)pyrene			<0.050		ug/g		0.05	12-MAY-15
Benzo(b)fluoranthene			<0.050		ug/g		0.05	12-MAY-15
Benzo(g,h,i)perylene			<0.050		ug/g		0.05	12-MAY-15
Benzo(k)fluoranthene			<0.050		ug/g		0.05	12-MAY-15
Chrysene			<0.050		ug/g		0.05	12-MAY-15
Dibenzo(ah)anthracene			<0.050		ug/g		0.05	12-MAY-15
Fluoranthene			<0.050		ug/g		0.05	12-MAY-15
Fluorene			<0.050		ug/g		0.05	12-MAY-15
Indeno(1,2,3-cd)pyrene			<0.050		ug/g		0.05	12-MAY-15
Naphthalene			<0.050		ug/g		0.05	12-MAY-15
Phenanthrene			<0.050		ug/g		0.05	12-MAY-15
Pyrene			<0.050		ug/g		0.05	12-MAY-15
Surrogate: 2-Fluorobiphenyl			93.8		%		50-140	12-MAY-15
Surrogate: p-Terphenyl d14			94.4		%		50-140	12-MAY-15
<b>PCB-511-WT</b>	<b>Soil</b>							



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Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PCB-511-WT</b>		<b>Soil</b>						
<b>Batch</b>	<b>R3188366</b>							
<b>WG2086426-1</b>	<b>CVS</b>							
Aroclor 1242			107.2		%		60-140	12-MAY-15
Aroclor 1248			99.6		%		60-140	12-MAY-15
Aroclor 1254			98.5		%		60-140	12-MAY-15
Aroclor 1260			100.5		%		60-140	12-MAY-15
<b>WG2085781-5</b>	<b>DUP</b>	<b>WG2085781-4</b>						
Aroclor 1242		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
Aroclor 1248		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
Aroclor 1254		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
Aroclor 1260		<0.010	<0.010	RPD-NA	ug/g	N/A	40	12-MAY-15
<b>WG2085781-8</b>	<b>DUP</b>	<b>WG2085781-7</b>						
Aroclor 1242		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
Aroclor 1248		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
Aroclor 1254		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
Aroclor 1260		<0.10	<0.10	RPD-NA	ug/g	N/A	40	14-MAY-15
<b>WG2085781-2</b>	<b>LCS</b>							
Aroclor 1242			98.0		%		60-140	12-MAY-15
Aroclor 1248			102.4		%		60-140	12-MAY-15
Aroclor 1254			87.4		%		60-140	12-MAY-15
Aroclor 1260			90.7		%		60-140	12-MAY-15
<b>WG2085781-1</b>	<b>MB</b>							
Aroclor 1242			<0.010		ug/g		0.01	12-MAY-15
Aroclor 1248			<0.010		ug/g		0.01	12-MAY-15
Aroclor 1254			<0.010		ug/g		0.01	12-MAY-15
Aroclor 1260			<0.010		ug/g		0.01	12-MAY-15
Surrogate: d14-Terphenyl			100.2		%		60-140	12-MAY-15
<b>WG2085781-6</b>	<b>MS</b>	<b>WG2085781-4</b>						
Aroclor 1242			105.5		%		60-140	12-MAY-15
Aroclor 1254			93.7		%		60-140	12-MAY-15
Aroclor 1260			107.9		%		60-140	12-MAY-15
<b>WG2085781-9</b>	<b>MS</b>	<b>WG2085781-7</b>						
Aroclor 1242			105.0		%		60-140	14-MAY-15
Aroclor 1254			91.6		%		60-140	14-MAY-15
Aroclor 1260			95.8		%		60-140	14-MAY-15

**PH-R511-WT**                      **Soil**



## Quality Control Report

Workorder: L1609856

Report Date: 25-MAY-15

Page 14 of 15

**Client:** AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

**Contact:** MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>PH-R511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188364</b>							
<b>WG2085750-1</b>	<b>DUP</b>	<b>L1608388-2</b>						
pH		7.25	7.47	J	pH units	0.22	0.3	12-MAY-15
<b>WG2086467-1</b>	<b>LCS</b>		6.96		pH units		6.7-7.3	12-MAY-15
<b>WG2086467-2</b>	<b>LCS</b>		7.00		pH units		6.7-7.3	12-MAY-15
<b>SAR-R511-WT</b>								
	<b>Soil</b>							
<b>Batch</b>	<b>R3188376</b>							
<b>WG2086345-4</b>	<b>DUP</b>	<b>WG2086345-3</b>						
Calcium (Ca)		7.7	8.2		mg/L	6.2	40	12-MAY-15
Sodium (Na)		25.2	25.3		mg/L	0.3	40	12-MAY-15
Magnesium (Mg)		<1.0	<1.0	RPD-NA	mg/L	N/A	40	12-MAY-15
<b>WG2086345-2</b>	<b>IRM</b>	<b>WT SAR1</b>						
Calcium (Ca)			108.0		%		70-130	12-MAY-15
Sodium (Na)			104.9		%		70-130	12-MAY-15
Magnesium (Mg)			106.0		%		70-130	12-MAY-15
<b>WG2086345-1</b>	<b>MB</b>							
Calcium (Ca)			<1.0		mg/L		1	12-MAY-15
Sodium (Na)			<1.0		mg/L		1	12-MAY-15
Magnesium (Mg)			<1.0		mg/L		1	12-MAY-15
<b>Batch</b>	<b>R3189972</b>							
<b>WG2087141-4</b>	<b>DUP</b>	<b>WG2087141-3</b>						
Calcium (Ca)		20.5	20.3		mg/L	0.9	40	14-MAY-15
Sodium (Na)		1.8	1.7		mg/L	3.6	40	14-MAY-15
Magnesium (Mg)		1.7	1.7		mg/L	3.1	40	14-MAY-15
<b>WG2087141-2</b>	<b>IRM</b>	<b>WT SAR1</b>						
Calcium (Ca)			94.9		%		70-130	14-MAY-15
Sodium (Na)			89.5		%		70-130	14-MAY-15
Magnesium (Mg)			91.0		%		70-130	14-MAY-15
<b>WG2087141-1</b>	<b>MB</b>							
Calcium (Ca)			<1.0		mg/L		1	14-MAY-15
Sodium (Na)			<1.0		mg/L		1	14-MAY-15
Magnesium (Mg)			<1.0		mg/L		1	14-MAY-15

# Quality Control Report

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900 MAPLE GROVE ROAD UNIT 10  
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Contact: MAURO CORTES/DIRK GEVAERT

Page 15 of 15

## Legend:

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Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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## Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

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The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.



L1609856-COFC

<b>Report To</b>		<b>Report Format / Distribution</b>			<b>Select Service Level Below (Rush Turnaround Time (TAT) is not available for all tests)</b>				
Company: <b>AMEC FOSTER WHEELER</b>		Select Report Format: <input checked="" type="checkbox"/> PDF <input type="checkbox"/> EXCEL <input type="checkbox"/> EDD (DIGITAL)			R <input checked="" type="checkbox"/> Regular (Standard TAT if received by 3pm)				
Contact: <b>MAURO CORTES</b>		Quality Control (QC) Report with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			P <input type="checkbox"/> Priority (2-4 business days if received by 3pm)				
Address: <b>900 Maple Grove Rd, Cambridge ON</b>		<input checked="" type="checkbox"/> Criteria on Report - provide details below if box checked			E <input type="checkbox"/> Emergency (1-2 business days if received by 3pm)				
Phone: <b>519 650 7100</b>		Select Distribution: <input checked="" type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX			E2 <input type="checkbox"/> Same day or weekend emergency if received by 10am - contact ALS for surcharge.				
		Email 1 or Fax: <b>MAURO.CORTES@AMECFW.COM</b>			Specify Date Required for E2, E or P:				
		Email 2: <b>HERMAN.PADHAM@AMECFW.COM</b>			<b>Analysis Request</b>				
Invoice To: Same as Report To <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<b>Invoice Distribution</b>			Indicate Filtered (F), Preserved (P) or Filtered and Preserved (F/P) below				
Copy of Invoice with Report <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Select Invoice Distribution: <input type="checkbox"/> EMAIL <input type="checkbox"/> MAIL <input type="checkbox"/> FAX							
Company:		Email 1 or Fax:			0 Reg 153 metals / 100g PHC FI - P4 PCB PPAH				
Contact:		Email 2:							
<b>Project Information</b>		<b>Oil and Gas Required Fields (client use)</b>							
ALS Quote #: <b>Q29243</b>		Approver ID:							
Job #: <b>SW 157090</b>		Cost Center:							
PO / AFE:		GL Account:							
LSD:		Routing Code:							
ALS Lab Work Order # (lab use only): <b>L1609856 MK 11 MAY 15 11B.</b>		Activity Code:							
		Location:							
		ALS Contact: <b>MLP</b>		Sampler: <b>HP</b>					
ALS Sample # (lab use only)	Sample Identification and/or Coordinates (This description will appear on the report)	Date (dd-mmm-yy)	Time (hh:mm)	Sample Type					Number of Containers
1	BH30 553	11-MAY-15	0820	SOIL	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1
2	BH29 552/553	11-May-15	1000	↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	5
3	BH29 556	11-May-15	1030	↓	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	1
PA									
<b>Drinking Water (DW) Samples (client use)</b>		<b>Special Instructions / Specify Criteria to add on report (client Use)</b>			<b>SAMPLE CONDITION AS RECEIVED (lab use only)</b>				
Are samples taken from a Regulated DW System? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		- Beware of glass & metal debris - Table 1/2			Frozen: <input type="checkbox"/> SIF Observations: Yes <input type="checkbox"/> No <input type="checkbox"/>				
Are samples for human drinking water use? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					Ice packs: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Custody seal intact: Yes <input type="checkbox"/> No <input type="checkbox"/>				
					Cooling Initiated: <input type="checkbox"/>		INITIAL COOLER TEMPERATURES °C		
							FINAL COOLER TEMPERATURES °C		
							9.1		
<b>SHIPMENT RELEASE (client use)</b>		<b>INITIAL SHIPMENT RECEPTION (lab use only)</b>			<b>FINAL SHIPMENT RECEPTION (lab use only)</b>				
Released by: <b>H. PADHAM</b>		Received by: <b>[Signature]</b>			Received by: <b>[Signature]</b>				
Date: <b>May 11/15</b>		Date: <b>May 11/15</b>			Date: <b>May 11/15</b>				
Time: <b>1435</b>		Time: <b>1435</b>			Time: <b>14:40</b>				

REFER TO BACK PAGE FOR ALS LOCATIONS AND SAMPLING INFORMATION

WHITE - LABORATORY COPY YELLOW - CLIENT COPY

NA-FRM-322a v06 February 2015

Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY. By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the back page of the white - report copy.

1. If any water samples are taken from a Regulated Drinking Water (DW) System, please submit using an Authorized DW COC form.





CLIENT NAME: MMM GROUP LTD  
528 LANCASTER STREET WEST  
Kitchener, ON N2K1M3  
(519) 743-8777

ATTENTION TO: Peter Van Driel

PROJECT: 1014079

AGAT WORK ORDER: 15W982725

TRACE ORGANICS REVIEWED BY: Neli Popnikolova, Senior Chemist

WATER ANALYSIS REVIEWED BY: Sofka Pehlyova, Senior Analyst

DATE REPORTED: Jun 17, 2015

PAGES (INCLUDING COVER): 16

VERSION\*: 1

Should you require any information regarding this analysis please contact your client services representative at (905) 712-5100

\*NOTES

All samples will be disposed of within 30 days following analysis. Please contact the lab if you require additional sample storage time.



## Certificate of Analysis

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

5835 COOPERS AVENUE  
 MISSISSAUGA, ONTARIO  
 CANADA L4Z 1Y2  
 TEL (905)712-5100  
 FAX (905)712-5122  
<http://www.agatlabs.com>

CLIENT NAME: MMM GROUP LTD

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

### O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Water)

DATE RECEIVED: 2015-06-09

DATE REPORTED: 2015-06-17

Parameter	Unit	G / S	RDL	Eramosa River	Eramosa River
				Up	Down
SAMPLE DESCRIPTION: Water      Water SAMPLE TYPE: Water      Water DATE SAMPLED: 6/7/2015      6/7/2015 G / S      RDL      6633376      6633389					
F1 (C6 to C10)	µg/L		25	<25	<25
F1 (C6 to C10) minus BTEX	µg/L		25	<25	<25
F2 (C10 to C16)	µg/L		100	<100	<100
F3 (C16 to C34)	µg/L		100	<100	<100
F4 (C34 to C50)	µg/L		100	<100	<100
Gravimetric Heavy Hydrocarbons	µg/L		500	NA	NA
Surrogate	Unit	Acceptable Limits			
Terphenyl	%	60-140		102	112

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard  
 6633376-6633389 The C6-C10 fraction is calculated using Toluene response factor.  
 The C10 - C16, C16 - C34, and C34 - C50 fractions are calculated using the average response factor for n-C10, n-C16, and nC34.  
 Gravimetric Heavy Hydrocarbons are not included in the Total C16 - C50 and are only determined if the chromatogram of the C34 - C50 Hydrocarbons indicated that hydrocarbons >C50 are present.  
 The chromatogram has returned to baseline by the retention time of nC50.  
 Total C6-C50 results are corrected for BTEX contributions.  
 This method complies with the Reference Method for the CWS PHC and is validated for use in the laboratory.  
 nC6 and nC10 response factors are within 30% of Toluene response factor.  
 nC10, nC16 and nC34 response factors are within 10% of their average.  
 C50 response factor is within 70% of nC10 + nC16 nC34 average.  
 Linearity is within 15%.  
 Extraction and holding times were met for this sample.  
 Fractions 1-4 are quantified with the contribution of PAHs. Under Ontario Regulation 153, results are considered valid without determining the PAH contribution if not requested by the client.

Certified By:





## Certificate of Analysis

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CLIENT NAME: MMM GROUP LTD

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

### O. Reg. 153(511) - VOCs (Water)

DATE RECEIVED: 2015-06-09

DATE REPORTED: 2015-06-17

Parameter	Unit	Eramosa River		G / S	RDL	6633376	6633389
		SAMPLE DESCRIPTION:					
		SAMPLE TYPE:					
		DATE SAMPLED:					
		Up	Down				
		Water	Water				
		6/7/2015	6/7/2015				
Dichlorodifluoromethane	µg/L	0.20	<0.20				
Vinyl Chloride	µg/L	0.17	<0.17				
Bromomethane	µg/L	0.20	<0.20				
Trichlorofluoromethane	µg/L	0.40	<0.40				
Acetone	µg/L	1.0	<1.0				
1,1-Dichloroethylene	µg/L	0.30	<0.30				
Methylene Chloride	µg/L	0.30	<0.30				
trans- 1,2-Dichloroethylene	µg/L	0.20	<0.20				
Methyl tert-butyl ether	µg/L	0.20	<0.20				
1,1-Dichloroethane	µg/L	0.30	<0.30				
Methyl Ethyl Ketone	µg/L	1.0	<1.0				
cis- 1,2-Dichloroethylene	µg/L	0.20	<0.20				
Chloroform	µg/L	0.20	<0.20				
1,2-Dichloroethane	µg/L	0.20	<0.20				
1,1,1-Trichloroethane	µg/L	0.30	<0.30				
Carbon Tetrachloride	µg/L	0.20	<0.20				
Benzene	µg/L	0.20	<0.20				
1,2-Dichloropropane	µg/L	0.20	<0.20				
Trichloroethylene	µg/L	0.20	<0.20				
Bromodichloromethane	µg/L	0.20	<0.20				
Methyl Isobutyl Ketone	µg/L	1.0	<1.0				
1,1,2-Trichloroethane	µg/L	0.20	<0.20				
Toluene	µg/L	0.20	<0.20				
Dibromochloromethane	µg/L	0.10	<0.10				
Ethylene Dibromide	µg/L	0.10	<0.10				
Tetrachloroethylene	µg/L	0.20	<0.20				
1,1,1,2-Tetrachloroethane	µg/L	0.10	<0.10				
Chlorobenzene	µg/L	0.10	<0.10				
Ethylbenzene	µg/L	0.10	<0.10				

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CLIENT NAME: MMM GROUP LTD

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

### O. Reg. 153(511) - VOCs (Water)

DATE RECEIVED: 2015-06-09

DATE REPORTED: 2015-06-17

Parameter	Unit	G / S	RDL	Eramosa River	Eramosa River
				Up	Down
SAMPLE DESCRIPTION:				Water	Water
SAMPLE TYPE:				Water	Water
DATE SAMPLED:				6/7/2015	6/7/2015
				6633376	6633389
m & p-Xylene	µg/L		0.20	<0.20	<0.20
Bromoform	µg/L		0.10	<0.10	<0.10
Styrene	µg/L		0.10	<0.10	<0.10
1,1,2,2-Tetrachloroethane	µg/L		0.10	<0.10	<0.10
o-Xylene	µg/L		0.10	<0.10	<0.10
1,3-Dichlorobenzene	µg/L		0.10	<0.10	<0.10
1,4-Dichlorobenzene	µg/L		0.10	<0.10	<0.10
1,2-Dichlorobenzene	µg/L		0.10	<0.10	<0.10
1,3-Dichloropropene	µg/L		0.30	<0.30	<0.30
Xylene Mixture	µg/L		0.20	<0.20	<0.20
n-Hexane	µg/L		0.20	<0.20	<0.20
Surrogate	Unit	Acceptable Limits			
Toluene-d8	% Recovery	50-140	90	94	
4-Bromofluorobenzene	% Recovery	50-140	88	94	

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard

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## Certificate of Analysis

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CLIENT NAME: MMM GROUP LTD

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

### Water Quality Assessment incl. TSS

DATE RECEIVED: 2015-06-09

DATE REPORTED: 2015-06-17

Parameter	Unit	Eramosa River			
		SAMPLE DESCRIPTION:		Up	Down
		SAMPLE TYPE:		Water	Water
		DATE SAMPLED:		6/7/2015	6/7/2015
		G / S	RDL	6633376	6633389
Electrical Conductivity	uS/cm		2	623	645
pH	pH Units	6.5-8.5	NA	8.36	8.25
Saturation pH				7.05	7.05
Langlier Index				1.31	1.20
Total Hardness (as CaCO3)	µg/L		500	268000	267000
Total Suspended Solids	mg/L		10	<10	<10
Total Dissolved Solids	mg/L		20	350	354
Alkalinity (as CaCO3)	µg/L		5000	241000	243000
Bicarbonate (as CaCO3)	µg/L		5000	231000	243000
Carbonate (as CaCO3)	µg/L		5000	9190	<5000
Hydroxide (as CaCO3)	µg/L		5000	<5000	<5000
Fluoride	µg/L		100	<100	<100
Chloride	µg/L		200	50100	55700
Nitrate as N	µg/L		100	813	757
Nitrite as N	µg/L		100	<100	<100
Bromide	µg/L		100	<100	<100
Sulphate	µg/L		200	21000	21000
Phosphate as P	µg/L		200	<200	<200
Reactive Silica	mg/L		0.05	4.99	4.70
Ammonia as N	µg/L		20	<20	<20
Ammonia-Un-ionized	µg/L	20	NA	NR	0.00088
Total Phosphorus	µg/L	10	10.00	13.3	16.5
Total Organic Carbon	mg/L		0.5	5.8	5.9
Colour	TCU		5	29	31
Turbidity	NTU		0.5	5.8	4.8
Calcium	µg/L		50	70700	70100
Magnesium	µg/L		50	22200	22300
Sodium	µg/L		50	29000	31000
Potassium	µg/L		50	1490	1580

Certified By:

*Sofra Pehlyova*



## Certificate of Analysis

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SAMPLING SITE:

SAMPLED BY: Peter Van Driel

### Water Quality Assessment incl. TSS

DATE RECEIVED: 2015-06-09

DATE REPORTED: 2015-06-17

Parameter	Unit	SAMPLE DESCRIPTION:		Eramosa River	Eramosa River
		SAMPLE TYPE:		Up	Down
		DATE SAMPLED:		Water	Water
		G / S	RDL	6/7/2015	6/7/2015
				6633376	6633389
Aluminum-dissolved	µg/L	75	4.0	<4.0	5.5
Antimony	µg/L	20	3.0	<3.0	<3.0
Arsenic	µg/L	100	3.0	<3.0	<3.0
Barium	µg/L		2.0	37.5	40.9
Beryllium	µg/L		0.5	<0.5	<0.5
Boron	µg/L	200	10	19	20
Cadmium	µg/L	0.2	0.1	<0.1	<0.1
Chromium	µg/L		3.0	<3.0	<3.0
Cobalt	µg/L	0.9	0.5	<0.5	<0.5
Copper	µg/L	5	2.0	<2.0	<2.0
Iron	µg/L	300	10	65	85
Lead	µg/L	5	1.0	<1.0	<1.0
Manganese	µg/L		2.0	30.1	36.7
Dissolved Mercury	µg/L	0.2	0.01	<0.01	<0.01
Molybdenum	µg/L	40	2.0	<2.0	<2.0
Nickel	µg/L	25	3.0	<3.0	<3.0
Selenium	µg/L	100	4.0	<4.0	<4.0
Silver	µg/L	0.1	0.1	<0.1	<0.1
Strontium	µg/L		5.0	219	227
Thallium	µg/L	0.3	0.3	<0.3	<0.3
Tin	µg/L		2.0	<2.0	<2.0
Titanium	µg/L		2.0	<2.0	<2.0
Tungsten	µg/L	30	10	<10	<10
Uranium	µg/L	5	2.0	<2.0	<2.0
Vanadium	µg/L	6	2.0	<2.0	<2.0
Zinc	µg/L	30	5.0	23.5	23.9
Zirconium	µg/L	4	4.0	<4.0	<4.0
Cation Sum				6.65	6.72
Anion Sum				6.73	6.92

Certified By:

*Sofra Pehlyova*



## Certificate of Analysis

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

5835 COOPERS AVENUE  
 MISSISSAUGA, ONTARIO  
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 TEL (905)712-5100  
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<http://www.agatlabs.com>

CLIENT NAME: MMM GROUP LTD

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

### Water Quality Assessment incl. TSS

DATE RECEIVED: 2015-06-09

DATE REPORTED: 2015-06-17

		Eramosa River		Eramosa River	
SAMPLE DESCRIPTION:		Up		Down	
SAMPLE TYPE:		Water		Water	
DATE SAMPLED:		6/7/2015		6/7/2015	
Parameter	Unit	G / S	RDL	6633376	6633389
% Difference Cation/Anion				0.6	1.5

Comments: RDL - Reported Detection Limit; G / S - Guideline / Standard: Refers to PWQO (ug/L) 2015  
 6633376 Un-ionised Ammonia - The calculation of Un-ionized Ammonia was based on lab measured parameters (pH and temperature) rather than the field parameters; these were not provided to the lab. The temperature is recorded at the time of pH measurement. Values are reported as calculated.  
 For samples where the concentration of NH3-N is less than the MDL, Un-ionized Ammonia is reported as NR (Not Reportable).

Certified By:

*Sofra Pehlyora*



# Guideline Violation

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

5835 COOPERS AVENUE  
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CLIENT NAME: MMM GROUP LTD

ATTENTION TO: Peter Van Driel

SAMPLEID	SAMPLE TITLE	GUIDELINE	ANALYSIS PACKAGE	PARAMETER	GUIDEVALUE	RESULT
6633376	Eramosa River Up	PWQO (ug/L) 2015	Water Quality Assessment incl. TSS	Total Phosphorus	10	13.3
6633389	Eramosa River Down	PWQO (ug/L) 2015	Water Quality Assessment incl. TSS	Total Phosphorus	10	16.5



## Quality Assurance

CLIENT NAME: MMM GROUP LTD

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

Trace Organics Analysis															
RPT Date: Jun 17, 2015			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE		MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

**O. Reg. 153(511) - VOCs (Water)**

Dichlorodifluoromethane	6633972		< 0.20	< 0.20	0.0%	< 0.20	116%	50%	140%	122%	50%	140%	113%	50%	140%
Vinyl Chloride	6633972		< 0.17	< 0.17	0.0%	< 0.17	99%	50%	140%	101%	50%	140%	83%	50%	140%
Bromomethane	6633972		< 0.20	< 0.20	0.0%	< 0.20	110%	50%	140%	109%	50%	140%	83%	50%	140%
Trichlorofluoromethane	6633972		< 0.40	< 0.40	0.0%	< 0.40	106%	50%	140%	109%	50%	140%	84%	50%	140%
Acetone	6633972		< 1.0	< 1.0	0.0%	< 1.0	108%	50%	140%	101%	50%	140%	104%	50%	140%
1,1-Dichloroethylene	6633972		< 0.30	< 0.30	0.0%	< 0.30	123%	50%	140%	95%	60%	130%	106%	50%	140%
Methylene Chloride	6633972		< 0.30	< 0.30	0.0%	< 0.30	114%	50%	140%	120%	60%	130%	102%	50%	140%
trans- 1,2-Dichloroethylene	6633972		< 0.20	< 0.20	0.0%	< 0.20	110%	50%	140%	94%	60%	130%	98%	50%	140%
Methyl tert-butyl ether	6633972		< 0.20	< 0.20	0.0%	< 0.20	88%	50%	140%	78%	60%	130%	88%	50%	140%
1,1-Dichloroethane	6633972		< 0.30	< 0.30	0.0%	< 0.30	105%	50%	140%	94%	60%	130%	102%	50%	140%
Methyl Ethyl Ketone	6633972		< 1.0	< 1.0	0.0%	< 1.0	95%	50%	140%	103%	50%	140%	93%	50%	140%
cis- 1,2-Dichloroethylene	6633972		< 0.20	< 0.20	0.0%	< 0.20	89%	50%	140%	88%	60%	130%	79%	50%	140%
Chloroform	6633972		< 0.20	< 0.20	0.0%	< 0.20	106%	50%	140%	103%	60%	130%	99%	50%	140%
1,2-Dichloroethane	6633972		< 0.20	< 0.20	0.0%	< 0.20	95%	50%	140%	92%	60%	130%	99%	50%	140%
1,1,1-Trichloroethane	6633972		< 0.30	< 0.30	0.0%	< 0.30	84%	50%	140%	82%	60%	130%	77%	50%	140%
Carbon Tetrachloride	6633972		< 0.20	< 0.20	0.0%	< 0.20	92%	50%	140%	82%	60%	130%	86%	50%	140%
Benzene	6633972		< 0.20	< 0.20	0.0%	< 0.20	111%	50%	140%	86%	60%	130%	81%	50%	140%
1,2-Dichloropropane	6633972		< 0.20	< 0.20	0.0%	< 0.20	105%	50%	140%	96%	60%	130%	81%	50%	140%
Trichloroethylene	6633972		< 0.20	< 0.20	0.0%	< 0.20	95%	50%	140%	89%	60%	130%	89%	50%	140%
Bromodichloromethane	6633972		< 0.20	< 0.20	0.0%	< 0.20	104%	50%	140%	96%	60%	130%	90%	50%	140%
Methyl Isobutyl Ketone	6633972		< 1.0	< 1.0	0.0%	< 1.0	86%	50%	140%	88%	50%	140%	81%	50%	140%
1,1,2-Trichloroethane	6633972		< 0.20	< 0.20	0.0%	< 0.20	104%	50%	140%	103%	60%	130%	90%	50%	140%
Toluene	6633972		< 0.20	< 0.20	0.0%	< 0.20	96%	50%	140%	85%	60%	130%	82%	50%	140%
Dibromochloromethane	6633972		< 0.10	< 0.10	0.0%	< 0.10	97%	50%	140%	93%	60%	130%	84%	50%	140%
Ethylene Dibromide	6633972		< 0.10	< 0.10	0.0%	< 0.10	101%	50%	140%	94%	60%	130%	87%	50%	140%
Tetrachloroethylene	6633972		< 0.20	< 0.20	0.0%	< 0.20	112%	50%	140%	110%	60%	130%	99%	50%	140%
1,1,1,2-Tetrachloroethane	6633972		< 0.10	< 0.10	0.0%	< 0.10	109%	50%	140%	110%	60%	130%	101%	50%	140%
Chlorobenzene	6633972		< 0.10	< 0.10	0.0%	< 0.10	112%	50%	140%	109%	60%	130%	100%	50%	140%
Ethylbenzene	6633972		< 0.10	< 0.10	0.0%	< 0.10	87%	50%	140%	87%	60%	130%	76%	50%	140%
m & p-Xylene	6633972		< 0.20	< 0.20	0.0%	< 0.20	106%	50%	140%	110%	60%	130%	85%	50%	140%
Bromoform	6633972		< 0.10	< 0.10	0.0%	< 0.10	127%	50%	140%	116%	60%	130%	113%	50%	140%
Styrene	6633972		< 0.10	< 0.10	0.0%	< 0.10	95%	50%	140%	87%	60%	130%	74%	50%	140%
1,1,2,2-Tetrachloroethane	6633972		< 0.10	< 0.10	0.0%	< 0.10	111%	50%	140%	127%	60%	130%	127%	50%	140%
o-Xylene	6633972		< 0.10	< 0.10	0.0%	< 0.10	116%	50%	140%	110%	60%	130%	90%	50%	140%
1,3-Dichlorobenzene	6633972		< 0.10	< 0.10	0.0%	< 0.10	105%	50%	140%	89%	60%	130%	85%	50%	140%
1,4-Dichlorobenzene	6633972		< 0.10	< 0.10	0.0%	< 0.10	117%	50%	140%	97%	60%	130%	97%	50%	140%
1,2-Dichlorobenzene	6633972		< 0.10	< 0.10	0.0%	< 0.10	106%	50%	140%	84%	60%	130%	80%	50%	140%
1,3-Dichloropropene	6633972		< 0.30	< 0.30	0.0%	< 0.30	126%	50%	140%	104%	60%	130%	95%	50%	140%
n-Hexane	6633972		< 0.20	< 0.20	0.0%	< 0.20	112%	50%	140%	100%	60%	130%	97%	50%	140%

## Quality Assurance

 CLIENT NAME: MMM GROUP LTD  
 PROJECT: 1014079  
 SAMPLING SITE:

 AGAT WORK ORDER: 15W982725  
 ATTENTION TO: Peter Van Driel  
 SAMPLED BY: Peter Van Driel

### Trace Organics Analysis (Continued)

RPT Date: Jun 17, 2015			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	

O. Reg. 153(511) - PHCs F1 - F4 (-BTEX) (Water)

F1 (C6 to C10)	6633831	< 25	< 25	0.0%	< 25	110%	60%	140%	96%	60%	140%	82%	60%	140%
F2 (C10 to C16)	TW	< 100	< 100	0.0%	< 100	93%	60%	140%	78%	60%	140%	75%	60%	140%
F3 (C16 to C34)	TW	< 100	< 100	0.0%	< 100	103%	60%	140%	106%	60%	140%	84%	60%	140%
F4 (C34 to C50)	TW	< 100	< 100	0.0%	< 100	102%	60%	140%	110%	60%	140%	78%	60%	140%

Comments: TW: Tap water analysis has been performed as QC sample testing for duplicate and matrix spike due to insufficient sample volume.

Certified By:



## Quality Assurance

CLIENT NAME: MMM GROUP LTD

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

Water Analysis															
RPT Date: Jun 17, 2015			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE		MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits	
								Lower	Upper		Lower	Upper		Lower	Upper

**Water Quality Assessment incl. TSS**

Electrical Conductivity	6633174		571	576	0.9%	< 2	100%	80%	120%	NA			NA		
pH	6633174		7.75	7.76	0.1%	NA	99%	90%	110%	NA			NA		
Total Suspended Solids	6624967		<10	<10	0.0%	< 10	100%	80%	120%	NA			NA		
Total Dissolved Solids	6627706		326	326	0.0%	< 20	90%	80%	120%	NA			NA		
Alkalinity (as CaCO3)	6633174		116000	118000	2.4%	< 5000	96%	80%	120%	NA			NA		
Bicarbonate (as CaCO3)	6633174		116000	118000	2.4%	< 5000	NA			NA			NA		
Carbonate (as CaCO3)	6633174		<5000	<5000	0.0%	< 5000	NA			NA			NA		
Hydroxide (as CaCO3)	6633174		<5000	<5000	0.0%	< 5000	NA			NA			NA		
Fluoride	6633929		<250	<250	0.0%	< 50	98%	90%	110%	98%	90%	110%	97%	80%	120%
Chloride	6633929		67100	67700	0.9%	< 100	95%	90%	110%	98%	90%	110%	101%	80%	120%
Nitrate as N	6633929		7540	7510	0.4%	< 50	93%	90%	110%	103%	90%	110%	105%	80%	120%
Nitrite as N	6633929		<250	<250	0.0%	< 50	NA	90%	110%	103%	90%	110%	101%	80%	120%
Bromide	6633929		<250	<250	0.0%	< 50	108%	90%	110%	104%	90%	110%	100%	80%	120%
Sulphate	6633929		21200	21300	0.3%	< 100	95%	90%	110%	98%	90%	110%	105%	80%	120%
Phosphate as P	6633929		<500	<500	0.0%	< 100	99%	90%	110%	95%	90%	110%	108%	80%	120%
Reactive Silica	6633174		4.95	4.83	2.5%	< 0.05	95%	90%	110%	98%	90%	110%	94%	80%	120%
Ammonia as N	6627676		51	55	0.0%	< 20	96%	90%	110%	100%	90%	110%	102%	80%	120%
Total Phosphorus	6633615		200	200	0.0%	< 10	100%	90%	110%	95%	90%	110%	110%	80%	120%
Total Organic Carbon	6633376	6633376	5.8	5.7	1.2%	< 0.5	101%	90%	110%	107%	90%	110%	91%	80%	120%
Colour	6633376	6633376	29	31	7.8%	< 5	100%	90%	110%	NA			NA		
Turbidity	6630776		0.8	0.8	0.0%	< 0.5	102%	90%	110%	NA			NA		
Calcium	6633376	6633376	70700	70500	0.2%	< 50	102%	90%	110%	103%	90%	110%	99%	70%	130%
Magnesium	6633376	6633376	22200	22100	0.2%	< 50	103%	90%	110%	103%	90%	110%	96%	70%	130%
Sodium	6633376	6633376	29000	28900	0.5%	< 50	109%	90%	110%	110%	90%	110%	107%	70%	130%
Potassium	6633376	6633376	1490	1490	0.2%	< 50	104%	90%	110%	105%	90%	110%	104%	70%	130%
Aluminum-dissolved	6633615		8.8	8.5	0.0%	< 4.0	101%	90%	110%	107%	90%	110%	96%	70%	130%
Antimony	6633739		< 3.0	< 3.0	0.0%	< 3.0	105%	90%	110%	105%	90%	110%	107%	70%	130%
Arsenic	6633739		< 3.0	< 3.0	0.0%	< 3.0	103%	90%	110%	101%	90%	110%	107%	70%	130%
Barium	6633739		58.3	59.8	2.5%	< 2.0	98%	90%	110%	100%	90%	110%	113%	70%	130%
Beryllium	6633739		< 0.5	< 0.5	0.0%	< 0.5	102%	90%	110%	103%	90%	110%	108%	70%	130%
Boron	6633739		292	302	3.4%	< 10	101%	90%	110%	105%	90%	110%	111%	70%	130%
Cadmium	6633739		< 0.1	< 0.1	0.0%	< 0.1	99%	90%	110%	110%	90%	110%	103%	70%	130%
Chromium	6633739		4.2	4.6	9.1%	< 3.0	101%	90%	110%	107%	90%	110%	111%	70%	130%
Cobalt	6633739		0.6	0.6	0.0%	< 0.5	104%	90%	110%	108%	90%	110%	106%	70%	130%
Copper	6633739		4.5	4.5	0.0%	< 2.0	103%	90%	110%	106%	90%	110%	105%	70%	130%
Iron	6633739		634	647	2.0%	< 10	102%	90%	110%	98%	90%	110%	96%	70%	130%
Lead	6633739		< 1.0	< 1.0	0.0%	< 1.0	109%	90%	110%	110%	90%	110%	111%	70%	130%
Manganese	6633739		69.1	74.1	7.0%	< 2.0	102%	90%	110%	109%	90%	110%	113%	70%	130%
Dissolved Mercury	6633174		< 0.01	< 0.01	0.0%	< 0.01	98%	90%	110%	107%	90%	110%	99%	80%	120%



## Quality Assurance

CLIENT NAME: MMM GROUP LTD  
 PROJECT: 1014079  
 SAMPLING SITE:

AGAT WORK ORDER: 15W982725  
 ATTENTION TO: Peter Van Driel  
 SAMPLED BY: Peter Van Driel

### Water Analysis (Continued)

RPT Date: Jun 17, 2015			DUPLICATE				Method Blank	REFERENCE MATERIAL			METHOD BLANK SPIKE			MATRIX SPIKE		
PARAMETER	Batch	Sample Id	Dup #1	Dup #2	RPD	Measured Value		Acceptable Limits		Recovery	Acceptable Limits		Recovery	Acceptable Limits		
								Lower	Upper		Lower	Upper		Lower	Upper	
Molybdenum	6633739		6.4	6.7	4.6%	< 2.0	101%	90%	110%	100%	90%	110%	105%	70%	130%	
Nickel	6633739		< 3.0	< 3.0	0.0%	< 3.0	97%	90%	110%	101%	90%	110%	102%	70%	130%	
Selenium	6633739		< 4.0	< 4.0	0.0%	< 4.0	100%	90%	110%	95%	90%	110%	102%	70%	130%	
Silver	6633739		< 0.1	< 0.1	0.0%	< 0.1	97%	90%	110%	107%	90%	110%	109%	70%	130%	
Strontium	6633739		906	937	3.4%	< 5.0	109%	90%	110%	107%	90%	110%	104%	70%	130%	
Thallium	6633739		< 0.3	< 0.3	0.0%	< 0.3	102%	90%	110%	94%	90%	110%	96%	70%	130%	
Tin	6633739		< 2.0	< 2.0	0.0%	< 2.0	103%	90%	110%	101%	90%	110%	103%	70%	130%	
Titanium	6633739		31.7	28.6	10.3%	< 2.0	104%	90%	110%	103%	90%	110%	105%	70%	130%	
Tungsten	6633739		< 10	< 10	0.0%	< 10	101%	90%	110%	99%	90%	110%	103%	70%	130%	
Uranium	6633739		2.7	2.8	3.6%	< 2.0	100%	90%	110%	104%	90%	110%	115%	70%	130%	
Vanadium	6633739		2.2	2.3	4.4%	< 2.0	102%	90%	110%	102%	90%	110%	105%	70%	130%	
Zinc	6633739		5.5	5.9	7.0%	< 5.0	103%	90%	110%	101%	90%	110%	107%	70%	130%	
Zirconium	6633739		< 4.0	< 4.0	0.0%	< 4.0	100%	90%	110%	99%	90%	110%	102%	70%	130%	

Comments: NA signifies Not Applicable

Certified By: \_\_\_\_\_

*Sofia Pehlyora*



## Method Summary

CLIENT NAME: MMM GROUP LTD

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Trace Organics Analysis			
F1 (C6 to C10)	VOL-91-5010	MOE PHC E3421	(P&T)GC/FID
F1 (C6 to C10) minus BTEX	VOL-91-5010	MOE PHC E3421	(P&T)GC/FID
F2 (C10 to C16)	VOL-91-5010	MOE PHC E3421	GC / FID
F3 (C16 to C34)	VOL-91-5010	MOE PHC E3421	GC / FID
F4 (C34 to C50)	VOL-91-5010	MOE PHC E3421	GC / FID
Gravimetric Heavy Hydrocarbons	VOL-91-5010	MOE PHC E3421	BALANCE
Terphenyl	VOL-91-5010		GC/FID
Dichlorodifluoromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Vinyl Chloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromomethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Trichlorofluoromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Acetone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1-Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methylene Chloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
trans- 1,2-Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl tert-butyl ether	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1-Dichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl Ethyl Ketone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
cis- 1,2-Dichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chloroform	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,1-Trichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Carbon Tetrachloride	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Benzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichloropropane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Trichloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromodichloromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Methyl Isobutyl Ketone	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,2-Trichloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Toluene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Dibromochloromethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Ethylene Dibromide	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Tetrachloroethylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,1,2-Tetrachloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Chlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Ethylbenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
m & p-Xylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Bromoform	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Styrene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,1,2,2-Tetrachloroethane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
o-Xylene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,3-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,4-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,2-Dichlorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
1,3-Dichloropropene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Xylene Mixture	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
n-Hexane	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
Toluene-d8	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS
4-Bromofluorobenzene	VOL-91-5001	EPA SW-846 5030 & 8260	(P&T)GC/MS



## Method Summary

CLIENT NAME: MMM GROUP LTD

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
<b>Water Analysis</b>			
Electrical Conductivity	INOR-93-6000	SM 2510 B	PC TITRATE
pH	INOR-93-6000	SM 4500-H+ B	PC TITRATE
Saturation pH		SM 2320 B	CALCULATION
Langlier Index			CALCULATION
Total Hardness (as CaCO <sub>3</sub> )	MET-93-6105	EPA SW-846 6010C & 200.7 & SM 2340 B	ICP/OES
Total Suspended Solids	INOR-93-6028	SM 2540 D	BALANCE
Total Dissolved Solids	INOR-93-6028	SM 2540 C	BALANCE
Alkalinity (as CaCO <sub>3</sub> )	INOR-93-6000	SM 2320 B	PC TITRATE
Bicarbonate (as CaCO <sub>3</sub> )	INOR-93-6000	SM 2320 B	PC TITRATE
Carbonate (as CaCO <sub>3</sub> )	INOR-93-6000	SM 2320 B	PC TITRATE
Hydroxide (as CaCO <sub>3</sub> )	INOR-93-6000	SM 2320 B	PC TITRATE
Fluoride	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Chloride	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Nitrate as N	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Nitrite as N	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Bromide	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Sulphate	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Phosphate as P	INOR-93-6004	SM 4110 B	ION CHROMATOGRAPH
Reactive Silica	INOR-93-6047	AQ2 EPA-122A & SM 4500 SiO <sub>2</sub> D	AQ-2 DISCRETE ANALYZER
Ammonia as N	INOR-93-6002	AQ2 EPA-103A & SM 4500 NH <sub>3</sub> -F	AQ-2 DISCRETE ANALYZER
Ammonia-Un-ionized		MOE REFERENCE, PWQOs Tab 2	CALCULATION
Total Phosphorus	INOR-93-6022	SM 4500-P B&E	SPECTROPHOTOMETER
Total Organic Carbon	INOR-93-6049	EPA 415.1 & SM 5310 B	SHIMADZU CARBON ANALYZER
Colour	INOR-93-6046	SM 2120 B	SPECTROPHOTOMETER
Turbidity	INOR-93-6044	SM 2130 B	NEPHELOMETER
Calcium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Magnesium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Sodium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Potassium	MET-93-6105	EPA SW-846 6010C & 200.7	ICP/OES
Aluminum-dissolved	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Antimony	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Arsenic	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Barium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Beryllium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Boron	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Cadmium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Chromium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Cobalt	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Copper	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Iron	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Lead	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Manganese	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Dissolved Mercury	MET-93-6100	EPA SW 846 7470 & 245.1	CVAAS
Molybdenum	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Nickel	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Selenium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Silver	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Strontium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS



## Method Summary

CLIENT NAME: MMM GROUP LTD

AGAT WORK ORDER: 15W982725

PROJECT: 1014079

ATTENTION TO: Peter Van Driel

SAMPLING SITE:

SAMPLED BY: Peter Van Driel

PARAMETER	AGAT S.O.P	LITERATURE REFERENCE	ANALYTICAL TECHNIQUE
Thallium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Tin	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Titanium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Tungsten	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Uranium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Vanadium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Zinc	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Zirconium	MET-93-6103	EPA SW-846 6020A & 200.8	ICP-MS
Cation Sum			CALCULATION
Anion Sum			CALCULATION
% Difference Cation/Anion			CALCULATION





AGAT Laboratories

8.0/7.5/7.8

5835 Coopers Avenue  
Mississauga, Ontario L4Z 1Y2  
Ph: 905.712.5100 Fax: 905.712.5122  
www.agatlabs.com webearth.agatlabs.com

Chain of Custody Record

If this is a Drinking Water sample, please use Drinking Water Chain of Custody Form (potable water intended for human consumption)

Report Information: Company: MMM Group Limited

Contact: Peter van Duyl

Address: 582 Connaught St. W. Kitchener

Phone: (519) 743-8778 x2280 Fax: (519) 743-8778

Reports to be sent to: van der Pijpe vmm.ca

1. Email: haysop@vmm.ca

2. Email:

Project Information: Project: 1010026

Site Location: 1014079

Sampled By: Peter van Duyl

AGAT Quote #: PO: 1014079

Invoice Information: Bill To Same: Yes  No

Company: AGAT

Contact: AGAT

Address: AGAT

Email: AGAT

Regulatory Requirements:  Regulation 153/04  Sewer Use  Regulation 558

Table Indicate One  Sanitary  CCME

Ind/Com  Storm  B.W. Water Quality Objectives (PWQO)

Res/Park  Agriculture  Other

Soil Texture (check one)  Coarse  Fine Indicate One

Region Indicate One

Is this submission for a Record of Site Condition?  Yes  No

Report Guideline on Certificate of Analysis  Yes  No

Sample Matrix Legend: B Bacteria, GW Ground Water, O Oil, P Paint, S Soil, SD Sediment, SW Surface Water

Metals and Inorganics: Metal Scan, Hydride Forming Metals, Client Custom Metals

ORPs:  B-HWS  Cl  CN  Cr6+  EC  FOC  NO3-/NO2-  Total N  Hg  pH  SAR

Nutrients:  TP  NH3  TKN  NO3-  NO2-  NO3-/NO2-

Volatiles:  VOC  BTEX  THM

CCME Fractions 1 to 4

ABNs, PAHs, Chlorophenols, PCBs, Organochlorine Pesticides, TCLP Metals/Inorganics, Sewer Use

Table with columns: Sample Identification, Date Sampled, Time Sampled, # of Containers, Sample Matrix, Comments/Special Instructions, Metals and Inorganics, Metal Scan, Hydride Forming Metals, Client Custom Metals, ORPs, Nutrients, Volatiles, CCME Fractions, ABNs, PAHs, Chlorophenols, PCBs, Organochlorine Pesticides, TCLP Metals/Inorganics, Sewer Use.

Laboratory Use Only: Work Order #: 15W9882725

Cooler Quantity: 4.0

Arrival Temperature: 3.7

Custody Seal Intact:  Yes  No

Turnaround Time (TAT) Required: Regular TAT  5 to 7 Business Days

Rush TAT (rush surcharges apply)  3 Business Days  2 Business Days  1 Business Day

OR Date Required (Rush Surcharges May Apply):

Please provide prior notification for rush TAT \*TAT is exclusive of weekends and statutory holidays

Form with fields for Samples Requisitioned By (Print Name and Sign), Date, Time, Page, and other administrative information.





AMEC FOSTER WHEELER ENVIRONMENT  
& INFRASTRUCTURE  
ATTN: MAURO CORTES/DIRK GEVAERT  
900 MAPLE GROVE ROAD  
UNIT 10  
CAMBRIDGE ON N3H 4R7

Date Received: 15-MAY-15  
Report Date: 26-MAY-15 10:49 (MT)  
Version: FINAL

Client Phone: 519-650-7100

## Certificate of Analysis

**Lab Work Order #:** L1612605  
Project P.O. #: NOT SUBMITTED  
Job Reference: SWC157090  
C of C Numbers: 14-395265  
Legal Site Desc:

Mary-Lynn Pires  
Account Manager

[This report shall not be reproduced except in full without the written authority of the Laboratory.]

ADDRESS: 60 Northland Road, Unit 1, Waterloo, ON N2V 2B8 Canada | Phone: +1 519 886 6910 | Fax: +1 519 886 9047  
ALS CANADA LTD Part of the ALS Group A Campbell Brothers Limited Company

# ANALYTICAL GUIDELINE REPORT

SWC157090

Sample Details Grouping	Analyte	Result	Qualifier	D.L.	Units	Analyzed	Guideline Limits			
L1612605-1	YORK-TCLP									
Sampled By: H. PADHAM on 15-MAY-15 @ 14:00							#1			
Matrix: SOIL										
<b>Sample Preparation</b>										
	Initial pH	8.39		0.10	pH units	19-MAY-15				
	Final pH	5.78		0.10	pH units	19-MAY-15				
<b>TCLP Extractables</b>										
	Cyanide, Weak Acid Diss	<0.10		0.10	mg/L	25-MAY-15	20			
	Fluoride (F)	<10		10	mg/L	22-MAY-15	150.0			
	Nitrate and Nitrite as N	<2.8		2.8	mg/L	22-MAY-15	1000			
	Nitrate-N	<2.0		2.0	mg/L	22-MAY-15				
	Nitrite-N	<2.0		2.0	mg/L	22-MAY-15				
<b>TCLP Metals</b>										
	Arsenic (As)	<0.050		0.050	mg/L	21-MAY-15	2.5			
	Barium (Ba)	0.78		0.50	mg/L	21-MAY-15	100			
	Boron (B)	<2.5		2.5	mg/L	21-MAY-15	500			
	Cadmium (Cd)	<0.0050		0.0050	mg/L	21-MAY-15	0.5			
	Chromium (Cr)	<0.050		0.050	mg/L	21-MAY-15	5.0			
	Lead (Pb)	<0.050		0.050	mg/L	21-MAY-15	5.0			
	Mercury (Hg)	<0.00010		0.00010	mg/L	22-MAY-15	0.1			
	Selenium (Se)	<0.25		0.25	mg/L	21-MAY-15	1.0			
	Silver (Ag)	<0.0050		0.0050	mg/L	21-MAY-15	5.0			
	Uranium (U)	<0.25		0.25	mg/L	21-MAY-15	10			
<b>TCLP VOCs</b>										
	1,1-Dichloroethylene	<0.025		0.025	mg/L	21-MAY-15	1.4			
	1,2-Dichlorobenzene	<0.025		0.025	mg/L	21-MAY-15	20.0			
	1,2-Dichloroethane	<0.025		0.025	mg/L	21-MAY-15	0.5			
	1,4-Dichlorobenzene	<0.025		0.025	mg/L	21-MAY-15	0.5			
	Benzene	<0.025		0.025	mg/L	21-MAY-15	0.5			
	Carbon tetrachloride	<0.025		0.025	mg/L	21-MAY-15	0.5			
	Chlorobenzene	<0.025		0.025	mg/L	21-MAY-15	8			
	Chloroform	<0.10		0.10	mg/L	21-MAY-15	10			
	Dichloromethane	<0.50		0.50	mg/L	21-MAY-15	5.0			
	Methyl Ethyl Ketone	<1.0		1.0	mg/L	21-MAY-15	200.0			
	Tetrachloroethylene	<0.025		0.025	mg/L	21-MAY-15	3			
	Trichloroethylene	<0.025		0.025	mg/L	21-MAY-15	5			
	Vinyl chloride	<0.050		0.050	mg/L	21-MAY-15	0.2			
	Surrogate: 4-Bromofluorobenzene	104.0		70-130	%	21-MAY-15				
<b>Volatile Organic Compounds</b>										
	Surrogate: 1,4-Difluorobenzene	101.1		50-150	%	21-MAY-15				

\*\* Detection Limit for result exceeds Guideline Limit. Assessment against Guideline Limit cannot be made.

\* Analytical result for this parameter exceeds Guideline Limit listed on this report. Guideline Limits applied:

**Ontario Ministry of the Environment, General Waste Control Regulation No. 347/90**

**#1: Ontario Ministry of the Environment, General Waste Control Regulation No. 347/90**

## Reference Information

### Methods Listed (if applicable):

ALS Test Code	Matrix	Test Description	Method Reference***
CN-TCLP-WT	Waste	Cyanide for O. Reg 347	APHA 4500CN C E
F-TCLP-WT	Waste	Fluoride (F) for O. Reg 347	APHA 4110 B-Ion Chromatography
HG-TCLP-WT	Waste	Mercury (CVAA) for O.Reg 347	SW846 7470A
LEACH-TCLP-WT	Waste	Leachate Procedure for Reg 347	EPA 1311

Inorganic and Semi-Volatile Organic contaminants are leached from waste samples in strict accordance with US EPA Method 1311, "Toxicity Characteristic Leaching Procedure" (TCLP). Test results are reported in leachate concentration units (normally mg/L).

MET-TCLP-WT	Waste	O.Reg 347 TCLP Leachable Metals	EPA 200.8
N2N3-TCLP-WT	Waste	Nitrate/Nitrite-N for O. Reg 347	APHA 4110 B-Ion Chromatography
VOC-TCLP-WT	Waste	VOC for O. Reg 347	SW846 8260

A sample of waste is leached in a zero headspace extractor at 30–2 rpm for 18–2.0 hours with the appropriate leaching solution. After tumbling the leachate is analyzed directly by headspace technology, followed by GC/MS using internal standard quantitation.

\*\*\* ALS test methods may incorporate modifications from specified reference methods to improve performance.

Chain of Custody numbers:

14-395265

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location	Laboratory Definition Code	Laboratory Location
WT	ALS ENVIRONMENTAL - WATERLOO, ONTARIO, CANADA		

### GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample  
 mg/kg wwt - milligrams per kilogram based on wet weight of sample  
 mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight  
 mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Application of guidelines is provided "as is" without warranty of any kind, either expressed or implied, including, but not limited to fitness for a particular purpose, or non-infringement. ALS assumes no responsibility for errors or omissions in the information.



## Quality Control Report

Workorder: L1612605

Report Date: 26-MAY-15

Page 1 of 6

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7  
 Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>CN-TCLP-WT</b>		<b>Waste</b>						
<b>Batch R3195490</b>								
<b>WG2094095-3</b>	<b>DUP</b>	<b>L1615072-1</b>						
Cyanide, Weak Acid Diss		<0.10	<0.10	RPD-NA	mg/L	N/A	20	25-MAY-15
<b>WG2094095-2</b>	<b>LCS</b>							
Cyanide, Weak Acid Diss			102.4		%		70-130	25-MAY-15
<b>WG2094095-1</b>	<b>MB</b>							
Cyanide, Weak Acid Diss			<0.10		mg/L		0.1	25-MAY-15
<b>WG2094095-4</b>	<b>MS</b>	<b>L1615072-1</b>						
Cyanide, Weak Acid Diss			98.5		%		70-130	25-MAY-15
<b>F-TCLP-WT</b>		<b>Waste</b>						
<b>Batch R3195124</b>								
<b>WG2092946-4</b>	<b>DUP</b>	<b>WG2092946-3</b>						
Fluoride (F)		<0.50	<0.50	RPD-NA	mg/L	N/A	30	22-MAY-15
<b>WG2092946-2</b>	<b>LCS</b>							
Fluoride (F)			103.1		%		70-130	22-MAY-15
<b>WG2092946-1</b>	<b>MB</b>							
Fluoride (F)			<0.50		mg/L		0.5	22-MAY-15
<b>HG-TCLP-WT</b>		<b>Waste</b>						
<b>Batch R3194052</b>								
<b>WG2092684-3</b>	<b>DUP</b>	<b>L1612605-1</b>						
Mercury (Hg)		<0.00010	<0.00010	RPD-NA	mg/L	N/A	50	22-MAY-15
<b>WG2092684-2</b>	<b>LCS</b>							
Mercury (Hg)			105.0		%		70-130	22-MAY-15
<b>WG2092684-1</b>	<b>MB</b>							
Mercury (Hg)			<0.00010		mg/L		0.0001	22-MAY-15
<b>WG2092684-4</b>	<b>MS</b>	<b>L1613227-1</b>						
Mercury (Hg)			109.0		%		50-140	22-MAY-15
<b>MET-TCLP-WT</b>		<b>Waste</b>						
<b>Batch R3193189</b>								
<b>WG2091688-6</b>	<b>CVS</b>							
Silver (Ag)			101.8		%		70-130	21-MAY-15
Arsenic (As)			103.6		%		70-130	21-MAY-15
Boron (B)			97.5		%		70-130	21-MAY-15
Barium (Ba)			104.9		%		70-130	21-MAY-15
Cadmium (Cd)			104.7		%		70-130	21-MAY-15
Chromium (Cr)			102.8		%		70-130	21-MAY-15
Lead (Pb)			100.2		%		70-130	21-MAY-15
Selenium (Se)			100.5		%		70-130	21-MAY-15



## Quality Control Report

Workorder: L1612605

Report Date: 26-MAY-15

Page 2 of 6

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-TCLP-WT</b>		<b>Waste</b>						
<b>Batch</b>	<b>R3193189</b>							
<b>WG2091688-6</b>	<b>CVS</b>							
Selenium (Se)			100.5		%		70-130	21-MAY-15
Uranium (U)			100.4		%		70-130	21-MAY-15
<b>WG2091688-4</b>	<b>DUP</b>	<b>WG2091688-3</b>						
Silver (Ag)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	21-MAY-15
Arsenic (As)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	21-MAY-15
Boron (B)		<2.5	<2.5	RPD-NA	mg/L	N/A	40	21-MAY-15
Barium (Ba)		<0.50	<0.50	RPD-NA	mg/L	N/A	40	21-MAY-15
Cadmium (Cd)		<0.0050	<0.0050	RPD-NA	mg/L	N/A	40	21-MAY-15
Chromium (Cr)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	21-MAY-15
Lead (Pb)		<0.050	<0.050	RPD-NA	mg/L	N/A	40	21-MAY-15
Selenium (Se)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	21-MAY-15
Uranium (U)		<0.25	<0.25	RPD-NA	mg/L	N/A	40	21-MAY-15
<b>WG2091688-2</b>	<b>LCS</b>							
Silver (Ag)			95.3		%		70-130	21-MAY-15
Arsenic (As)			94.3		%		70-130	21-MAY-15
Boron (B)			95.6		%		70-130	21-MAY-15
Barium (Ba)			93.4		%		70-130	21-MAY-15
Cadmium (Cd)			94.4		%		70-130	21-MAY-15
Chromium (Cr)			94.7		%		70-130	21-MAY-15
Lead (Pb)			96.2		%		70-130	21-MAY-15
Selenium (Se)			93.3		%		70-130	21-MAY-15
Uranium (U)			94.7		%		70-130	21-MAY-15
<b>WG2091688-1</b>	<b>MB</b>							
Silver (Ag)			<0.0050		mg/L		0.005	21-MAY-15
Arsenic (As)			<0.050		mg/L		0.05	21-MAY-15
Boron (B)			<2.5		mg/L		2.5	21-MAY-15
Barium (Ba)			<0.50		mg/L		0.5	21-MAY-15
Cadmium (Cd)			<0.0050		mg/L		0.005	21-MAY-15
Chromium (Cr)			<0.050		mg/L		0.05	21-MAY-15
Lead (Pb)			<0.050		mg/L		0.05	21-MAY-15
Selenium (Se)			<0.25		mg/L		0.25	21-MAY-15
Uranium (U)			<0.25		mg/L		0.25	21-MAY-15
<b>WG2091688-5</b>	<b>MS</b>	<b>WG2091688-3</b>						
Silver (Ag)			78.7		%		50-140	21-MAY-15



## Quality Control Report

Workorder: L1612605

Report Date: 26-MAY-15

Page 3 of 6

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>MET-TCLP-WT</b>		<b>Waste</b>						
<b>Batch</b>	<b>R3193189</b>							
<b>WG2091688-5</b>	<b>MS</b>	<b>WG2091688-3</b>						
Arsenic (As)			95.8		%		50-140	21-MAY-15
Boron (B)			97.2		%		50-140	21-MAY-15
Barium (Ba)			98.2		%		50-140	21-MAY-15
Cadmium (Cd)			95.3		%		50-140	21-MAY-15
Chromium (Cr)			94.5		%		50-140	21-MAY-15
Lead (Pb)			94.0		%		50-140	21-MAY-15
Selenium (Se)			96.2		%		50-140	21-MAY-15
Uranium (U)			94.7		%		50-140	21-MAY-15
<b>N2N3-TCLP-WT</b>		<b>Waste</b>						
<b>Batch</b>	<b>R3195124</b>							
<b>WG2092946-4</b>	<b>DUP</b>	<b>WG2092946-3</b>						
Nitrate-N		7.82	7.82		mg/L	0.1	30	22-MAY-15
Nitrite-N		<0.10	<0.10	RPD-NA	mg/L	N/A	30	22-MAY-15
<b>WG2092946-2</b>	<b>LCS</b>							
Nitrate-N			100.7		%		70-130	22-MAY-15
Nitrite-N			101.8		%		70-130	22-MAY-15
<b>WG2092946-1</b>	<b>MB</b>							
Nitrate-N			<0.10		mg/L		0.1	22-MAY-15
Nitrite-N			<0.10		mg/L		0.1	22-MAY-15
<b>VOC-TCLP-WT</b>		<b>Waste</b>						
<b>Batch</b>	<b>R3193268</b>							
<b>WG2090934-4</b>	<b>DUP</b>	<b>L1612605-1</b>						
1,1-Dichloroethylene		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
1,2-Dichlorobenzene		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
1,2-Dichloroethane		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
1,4-Dichlorobenzene		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
Benzene		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
Carbon tetrachloride		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
Chlorobenzene		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
Chloroform		<0.10	<0.10	RPD-NA	mg/L	N/A	50	21-MAY-15
Dichloromethane		<0.50	<0.50	RPD-NA	mg/L	N/A	50	21-MAY-15
Methyl Ethyl Ketone		<1.0	<1.0	RPD-NA	mg/L	N/A	50	21-MAY-15
Tetrachloroethylene		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15
Trichloroethylene		<0.025	<0.025	RPD-NA	mg/L	N/A	50	21-MAY-15



## Quality Control Report

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-TCLP-WT</b>								
	<b>Waste</b>							
<b>Batch</b>	<b>R3193268</b>							
<b>WG2090934-4</b>	<b>DUP</b>	<b>L1612605-1</b>						
Vinyl chloride		<0.050	<0.050	RPD-NA	mg/L	N/A	50	21-MAY-15
<b>WG2090934-1</b>	<b>LCS</b>							
1,1-Dichloroethylene			96.4		%		70-130	20-MAY-15
1,2-Dichlorobenzene			101.0		%		70-130	20-MAY-15
1,2-Dichloroethane			94.9		%		70-130	20-MAY-15
1,4-Dichlorobenzene			102.8		%		70-130	20-MAY-15
Benzene			101.0		%		70-130	20-MAY-15
Carbon tetrachloride			106.4		%		60-140	20-MAY-15
Chlorobenzene			103.9		%		70-130	20-MAY-15
Chloroform			104.2		%		70-130	20-MAY-15
Dichloromethane			98.4		%		70-130	20-MAY-15
Methyl Ethyl Ketone			100.9		%		50-150	20-MAY-15
Tetrachloroethylene			109.9		%		70-130	20-MAY-15
Trichloroethylene			104.8		%		70-130	20-MAY-15
Vinyl chloride			106.9		%		60-130	20-MAY-15
<b>WG2090934-2</b>	<b>MB</b>							
1,1-Dichloroethylene			<0.025		mg/L		0.025	21-MAY-15
1,2-Dichlorobenzene			<0.025		mg/L		0.025	21-MAY-15
1,2-Dichloroethane			<0.025		mg/L		0.025	21-MAY-15
1,4-Dichlorobenzene			<0.025		mg/L		0.025	21-MAY-15
Benzene			<0.025		mg/L		0.025	21-MAY-15
Carbon tetrachloride			<0.025		mg/L		0.025	21-MAY-15
Chlorobenzene			<0.025		mg/L		0.025	21-MAY-15
Chloroform			<0.10		mg/L		0.1	21-MAY-15
Dichloromethane			<0.50		mg/L		0.5	21-MAY-15
Methyl Ethyl Ketone			<1.0		mg/L		1	21-MAY-15
Tetrachloroethylene			<0.025		mg/L		0.025	21-MAY-15
Trichloroethylene			<0.025		mg/L		0.025	21-MAY-15
Vinyl chloride			<0.050		mg/L		0.05	21-MAY-15
Surrogate: 1,4-Difluorobenzene			102.4		%		50-150	21-MAY-15
Surrogate: 4-Bromofluorobenzene			103.3		%		70-130	21-MAY-15
<b>WG2090934-5</b>	<b>MS</b>	<b>L1612605-1</b>						
1,1-Dichloroethylene			85.3		%		50-140	21-MAY-15
1,2-Dichlorobenzene			93.5		%		50-140	21-MAY-15



## Quality Control Report

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Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
 900 MAPLE GROVE ROAD UNIT 10  
 CAMBRIDGE ON N3H 4R7

Contact: MAURO CORTES/DIRK GEVAERT

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
<b>VOC-TCLP-WT</b>								
	<b>Waste</b>							
<b>Batch</b>	<b>R3193268</b>							
<b>WG2090934-5 MS</b>		<b>L1612605-1</b>						
1,2-Dichloroethane			97.5		%		50-140	21-MAY-15
1,4-Dichlorobenzene			91.1		%		50-140	21-MAY-15
Benzene			95.0		%		50-140	21-MAY-15
Carbon tetrachloride			94.8		%		50-140	21-MAY-15
Chlorobenzene			96.3		%		50-140	21-MAY-15
Chloroform			99.1		%		50-140	21-MAY-15
Dichloromethane			95.3		%		50-140	21-MAY-15
Methyl Ethyl Ketone			100.7		%		50-140	21-MAY-15
Tetrachloroethylene			93.9		%		50-140	21-MAY-15
Trichloroethylene			95.5		%		50-140	21-MAY-15
Vinyl chloride			95.8		%		50-140	21-MAY-15

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# Quality Control Report

Workorder: L1612605

Report Date: 26-MAY-15

Client: AMEC FOSTER WHEELER ENVIRONMENT & INFRASTRUCTURE  
900 MAPLE GROVE ROAD UNIT 10  
CAMBRIDGE ON N3H 4R7  
Contact: MAURO CORTES/DIRK GEVAERT

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## Legend:

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Limit	ALS Control Limit (Data Quality Objectives)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

## Sample Parameter Qualifier Definitions:

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Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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## Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

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The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.





# STANDARD LIMITATIONS

## ENVIRONMENTAL INVESTIGATIONS and CHARACTERIZATION PROGRAMS

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*These Standard Limitations form part of the Report to which they are appended and any use of the Report is subject to them.*

### 1. EXCLUSIVE USE BY CLIENT

This Report was prepared for the exclusive use of the client identified as the intended recipient. Any use of the Report by any other party without the written consent of MMM Group Limited is the sole responsibility of such party. MMM Group Limited accepts no responsibility for damages that may be suffered by any third party as a result of decisions made or actions taken based on the Report.

### 2. SCOPE, TERMS AND CONDITIONS OF CONTRACT

The observations and investigations (hereinafter referred to as the "Work") upon which this Report is based were carried out in accordance with the scope, terms and conditions of the contract or the proposal pursuant to which the Work was commissioned. The conclusions presented in the Report are based solely upon the scope of services described in the contract or the proposal and governed by the time and budgetary constraints imposed by them.

### 3. STANDARD OF CARE

The principles, procedures and standards relevant to the nature of the services performed are not universally the same. The Work has been carried out in accordance with generally accepted environmental study and/or professional practices, industry standards and environmental regulations, where applicable. No other warranties are either expressed or implied with respect to the professional services provided under the terms of the contract or the proposal and represented in this Report.

### 4. SCOPE OF THE WORK

This Report may be based in part on information obtained at discrete sampling and/or monitoring locations. The conditions reported herein were those encountered at the subject property at the time the Work was performed and as present at the discrete sampling/monitoring locations, if any.

Conditions between sampling/monitoring locations may be different than those encountered at the sampling/monitoring locations and MMM Group Limited is not responsible for such differences.

### 5. REASONABLE CONCLUSIONS

The conclusions contained in this Report are based on the Work and may also consider a review of information from other sources as identified in the Report. The accuracy of information from other sources was not verified unless specifically noted in the Report, nor was it determined if the reviewed information constituted all information that exists and pertains to the subject property.

The conclusions made are based on reasonable and professional interpretation of the information considered. If additional information concerning conditions of relevance to this Report is obtained during future work at the subject property, MMM Group Limited should be notified in order that we may determine if modifications to the conclusions presented in this Report are necessary.

### 6. REPORT AS A COMPLETE DOCUMENT

This Report must be read as a whole and sections taken out of context may be misleading. If discrepancies occur between the preliminary (draft) and final versions of the Report, the final version of the report shall take precedence.

### 7. LIMITS OF LIABILITY

MMM Group Limited's liability with respect to the Work is limited to re-performing, without cost, any part of the Work that is unacceptable solely as a result of failure to comply with industry standards. MMM Group Limited's maximum liability is limited in accordance with terms in the original contract, provided that notice of claim is made within regulated timelines as of the date of delivery of the Report.