



Guelph Innovation District (GID) Lands, Blocks 1 & 2

Phase One Environmental Site Assessment Report

Project Location:

328 Victoria Road South and 588 Stone Road East,
Guelph, ON

Prepared for:

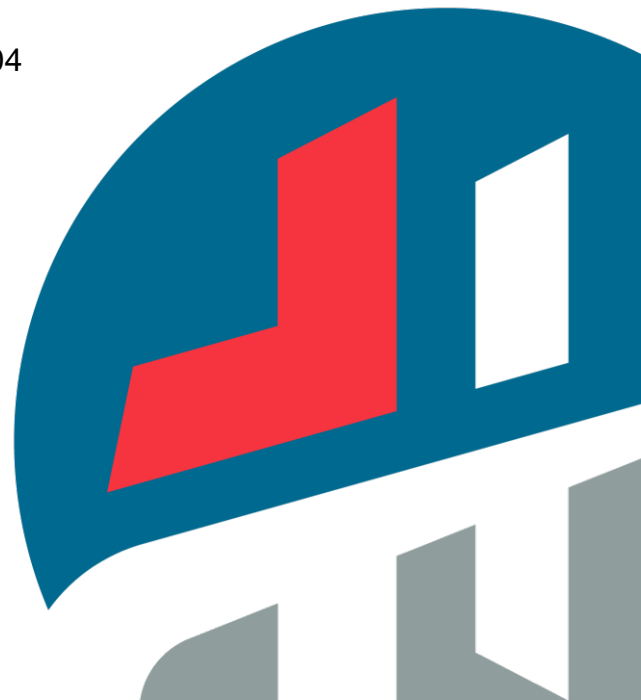
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1.0 Executive Summary

MTE Consultants Inc. (“MTE”) was retained by Fusion Homes (“Fusion”) to conduct a Phase One Environmental Site Assessment (ESA) for two contiguous properties located at 328 Victoria Road South (Former Turfgrass Institute Lands) and 588 Stone Road East (Former Wellington Detention Centre Lands) in Guelph, Ontario (the “Phase One Property” or the “Site”). Compass direction described in this report is reference to “Project North”, which runs parallel to Stone Road East.

The Site is approximately 118.09 hectares in area and is comprised of an irregular-shaped parcel of land located in a mixed-land use area of Guelph (commonly referred to as the Guelph Innovation District or GID Lands). The Site is currently developed with three buildings (Frost Centre Building, Maintenance Workshop and Pump House Building), a gravel parking lot, electrical transformer, and an irrigation pond/lagoon within the west central portion of the Site. The remainder of the Site consists of gravel driveways/access roads, natural heritage areas and agricultural lands. Former historical features included several buildings, above and underground storage tanks, putting green / turf research ranges, an orchard and agricultural and agroforestry lands.

The Phase One ESA was completed in accordance with Ontario Regulation 153/04 as amended (hereinafter referred to as “O.Reg.153/04”) and was supervised by a Qualified Person (QP_{ESA}) to support the filing of a Record of Site Condition (RSC).

The purpose of the Phase One ESA was to identify evidence of actual or potential contamination on the Site, based on an evaluation of information collected through records review, site visits and interviews.

The results of the Phase One ESA historical records review (city directories, chain of title, previous environmental reports and site reconnaissance) indicated that the first developed use of the Site was as agricultural land prior to 1930.

MTE understands that the Fusion intends to re-develop the Site for mixed land uses. An RSC is required under O.Reg.153/04 to facilitate a change to a more sensitive property use.

Based on information obtained and reviewed during the Phase One ESA, Potentially Contaminating Activities (PCAs) associated with the Site and surrounding properties were identified resulting in Areas of Potential Environmental Concerns (APECs) on the Phase One Property. As a result, a Phase Two ESA is recommended and required prior to filing an RSC.

It should be noted that in addition to the preparation of a Phase Two ESA, the Phase One Property deed(s) and transfer documents; a current plan of survey signed and sealed by an Ontario Land Surveyor (OLS); and a letter prepared by a lawyer outlining the legal description of the Site, a list of owners including a description of the nature of their interest in the Site, along with the municipal addresses, assessment roll numbers and PINs is required prior to filing an RSC.

2.0 Introduction

(a) Phase One Property Information

MTE Consultants Inc. (“MTE”) was retained by Fusion Homes (“Fusion”) to conduct a Phase One Environmental Site Assessment (ESA) for two contiguous properties located at 328 Victoria Road South and 588 Stone Road East in Guelph, Ontario (the “Phase One Property” or the “Site”). The Site location is presented on **Figure 1**. Compass direction described in this report is reference to “Project North”, which runs parallel to Stone Road East.

The Site is approximately 118.09 hectares in area and is comprised of an irregular-shaped parcel of land located in a mixed-land use area of Guelph (commonly referred to as the Guelph Innovation District or GID Lands). The Site is comprised of two legal properties, 1) the “Former Wellington Detention Centre Lands” (Detention Lands) and, 2) the “Former Turfgrass Institute Lands” (Turfgrass Lands) located at 588 Stone Road East and 328 Victoria Road South, respectively, as illustrated on **Figure 1**. The Site is currently developed with three buildings (Frost Centre Building, Maintenance Workshop and Pump House Building), a gravel parking lot, electrical transformer, and an irrigation pond/lagoon within the west central portion of the Site. The remainder of the Site consists of gravel driveways/access roads, natural heritage areas and agricultural lands. Former historical features included several buildings, above and underground storage tanks, putting green / turf research ranges, an orchard and agricultural and agroforestry lands. The Site Layout and Features are presented on **Figure 2**.

The Phase One Property identification information is presented below.

	328 Victoria Road South	588 Stone Road East
Property Identification Number (PIN)	71236-0133	71236-0118
Legal Description*	Part Broken Front Lots 10, 11 And 12 Concession 1 Division G Guelph Township, Parts 1 To 13 And 16 To 19 Inclusive 61r10430, Save And Except Parts 1, 2, 4 And 7 61r11036 And Parts 1, 2 And 3 61r21861 Together With An Easement As In Ros651254 Subject To An Easement Over Parts 3 And 4 61r10430 As In Ros390891 Subject To An Easement Over Parts 9, 10 And 11 61r10430 As In Wc166385 Together With An Easement Over Part 20 61r10430 As In Wc166386 Subject To An Easement In Gross Over Part 4 61r5069, Part 2 61r5070 And Parts 1 And 2 61r5071 As In Wc641535 City Of Guelph	Pt Broken Front Lts 10 & 11, Con 1 Division G Guelph Township, Pts 14,15, 20 & 21, 61r10430; Guelph; T/w Ros651254; S/t Easement Over Pt 15,61r10430 As In Wc81211; S/t Easement Over Pt 20, 61r10430 As In Wc166386
Property Area	108.33 hectares	9.76 hectares
Universal Transverse Mercator (UTM) coordinates of approximate centroid of property	563,837 m east and 4,821,911 m north (zone 17T)	564,149 m east and 4,821,299 m north (zone 17T)
Property Owner	1000027909 Ontario Ltd.	1000027909 Ontario Ltd.

*As described by VuMAP.

The Phase One ESA property is currently owned by 1000027909 Ontario Ltd. (Fusion Homes). The contact Information for the owner is as follows:

Mr. Blake Tonicic
1000027909 Ontario Ltd. (Fusion Homes)
500 Hanlon Creek Boulevard
Guelph, Ontario N1C 0A1
519-803-2703
btoncic@fusionhomes.com

The Phase One ESA was commissioned by Fusion to support re-development of the Site. MTE understands that Fusion intends to re-develop the Site for mixed land uses. Filing a Record of Site Condition (RSC) in accordance with Ontario Regulation 153/04 (O.Reg. 153/04) is required to facilitate a change to a more sensitive property use.

The Phase One Property deed(s) and transfer documents; a current plan of survey signed and sealed by an Ontario Land Surveyor (OLS); and a letter prepared by a lawyer outlining the legal description of the Site, a list of owners including a description of the nature of their interest in the Site, along with the municipal addresses, assessment roll numbers and PINs is required prior to filing an RSC.

3.0 Scope of Investigation

The purpose of the Phase One ESA was to identify Potentially Contaminating Activities (PCAs) on the Site or surrounding properties that would result in Areas of Potential Environmental Concern (APECs) on the Phase One Property. The report has been prepared under the supervision of a Qualified Person (QP_{ESA}) for use by Fusion to support the re-development of the Site and filing of an RSC with the Ministry of Environment, Conservation and Parks (MECP).

The scope of work for the Phase One ESA included:

- Review of available fire insurance mapping, municipal directory documentation and environmental reports that are pertinent to the Phase One Property and Phase One Study Area;
- Review of environmental source information including published and online records from the MECP, Ministry of Natural Resources and Forestry (MNR), Environment Canada, Technical Standards and Safety Authority (TSSA), City of Kitchener and the Region of Waterloo for information related to the Site and the Phase One Study Area;
- Review of an Environmental Risk Information Services Ltd. (ERIS) database report;
- Review of published municipal directories and Fire Insurance Plans (FIPs) applicable for the area, where available;
- Review of previous reports for the Phase One Property, where available;
- Review of physical setting information including: aerial photographs, topography, hydrology and geology information and maps related to the Phase One Property and the Phase One Study Area;
- Interview with a representative with knowledge regarding current/historical property operations;
- An inspection of the Phase One Property and property boundaries, including a photographic log;
- Preparing a Conceptual Site Model to illustrate the Phase One Property location and limits, the Phase One Study Area, PCAs in the Study Area and APECs on the Phase One Property; and
- Preparation of this written report of findings and recommendations.

Based on historical records reviewed, the Site has never been used, in whole or in part for an industrial use, as a garage, as a bulk liquid dispensing facility, including a gasoline outlet, or for the operation of dry-cleaning equipment; therefore, the Phase One Property is not classified as an enhanced investigation property (EIP) according to O. Reg. 153/04.

4.0 Records Review

(a) General

(i) Phase One Study Area Determination

The Phase One Study Area was identified in a manner consistent with the *Guide for Completing Phase One Environmental Site Assessments under Ontario Regulation 153/04*, dated June 2011 (PIBS 8485e) page 18. The Phase One Study Area includes the properties that are located wholly or partially within 250 metres (m) from the boundary of the Phase One Property. The QP_{ESA} has determined from the Site visit and records review that there are no properties located further than 250 m from the Phase One Property boundary that should be included in the Phase One Study Area. The Phase One Study Area is presented on **Figure 1**.

(ii) First Developed Use Determination

In accordance with Part VI, Section 22.(1) of O. Reg. 153/04, First Developed Use is defined as “the earlier of the first use of the Phase One Property in or after 1875 that resulted in the development of a building or structure on the property and the first potentially contaminating use or activity on the Phase One Property”.

The results of the Phase One ESA historical records review (city directories, aerial photography, chain of title, previous environmental reports, and Site reconnaissance) indicated that the first developed use of the Site was as agricultural land prior to 1930 with three residential dwellings present on the property, two in the Turgrass Lands and one in the Detention Lands. A detention centre operated in the east portion of the Site between 1930 and 2010 before being decommissioned. The Site was developed into the present-day configuration with three structures and an irrigation pond/lagoon between 1990 and 1995.

(iii) Fire Insurance Plans and Inspection Reports

A search of the Catalogue of Canadian Fire Insurance Plans 1875-1975, indicated that FIPs are available for Guelph between 1875 and 1960.

A request for available FIPs applicable to the Site and Phase One Study Area was made through OPTA Environmental Services Inc. (OPTA) on February 28, 2022. A response received on March 4, 2022 revealed that no FIPs were available for the Phase One Study Area and therefore, no FIPs were reviewed. Furthermore, no inspection reports were available for the Site. A copy of the OPTA report is provided in **Appendix B**.

(iv) Chain of Title

Armand Simo was commissioned by MTE to complete a Chain-of-Title search for the 328 Victoria Road South and 588 Stone Road East. According to the search results, the earliest available record relating to 328 Victoria Road South was from December 1848 and indicated that the Phase One Property was owned by William Millan. The earliest available record relating to 588 Stone Road East was from September 1854 and indicated that the Phase One Property was owned by William Allan. The two properties were owned by various individuals/entities until being transferred to 1000027909 Ontario Ltd. (Fusion Homes) in December 2021, the current property owner. A “Current and Past Uses” table is included in **Appendix H**.

A copy of the Chain-of-Title search is included in **Appendix A**.

MTE endeavored to supplement the past uses of the Site with a search of historical municipal directories documented below.

Municipal Directories

MTE contacted ERIS to complete a search of municipal directories for the Site and Phase One Study Area. Several records were available for the Site and Phase One Study Area (from 1917 to 2011). A copy of the search results for the Study Area provided by ERIS is provided in **Appendix B**.

A summary of the pertinent records for the Site and Phase One Study Area properties is presented below.

Address and Approximate Distance from Site	Occupants	Directory Dates
328 Victoria Road South (the Site)	Ontario Golf Superintendents Association	1994 - 2011
	Professional Lawn Care Associates of Ontario	1994 - 2011
	Sports Turf Association	1994 - 2011
588 Stone Road East (the Site)	Ministry of Correctional Services	1985 - 2001
256 Victoria Road South (approximately 40 m west of the Site)	Polymer Distribution	2011
	Akzo Novel Canada Inc.	2011
	Huntsman Corp	1994 - 2006
	Hart Chemical Ltd	1970 - 1990
	Witco Chemical Canada Ltd	1975 - 1980
	Argus Chemical Canada Ltd	1970
165 Dunlop Drive (approximately 160 m north of the Site)	Cargill Meat Solutions	2011
165 Dunlop Drive* *also referenced as 781 York Road (approximately 250 m west of the Site)	Better Beed Ltd – Canadian Abattoir	1994 - 2006
	Guelph Beef Centre	1985
579 Stone Road East (approximately 20 m east of the Site)	Modern Rug & Upholstering Cleaners	1975 - 1985

Based on the municipal directories search results, the following addresses were identified with PCAs.

- 165 Dunlop Drive as a historical large industrial operation;
- 781 York Road as a historical large industrial operation;
- 579 Stone Road East as a historical operation of rug and upholstery cleaning business; and
- 256 Victoria Road South as a historical chemical processing facility located.

The above (off-Site) addresses with PCAs are shown on **Figure 4**.

(v) Environmental Reports

Environmental Risk Information Services Report

MTE reviewed an environmental database report (prepared by ERIS), that was completed in September 2016 and included with the GHD Limited (GHD) “Phase One Environmental Site Assessment”, report, dated February 6, 2017. The ERIS report covers the majority of the Phase One Property and surrounding properties. Coverage of properties to the southeast is limited. Due to the date and coverage of this ERIS report, there may be potential for information to be out of date or outstanding. However, based on MTE’s historical knowledge and on-going involvement with the Site, there has been limited changes to the Site and surrounding properties (there are limited properties to the southeast which also is downgradient of the Site) and no new environmental concerns are expected to have arisen since the report was created. Furthermore, MTE has conducted an updated review of many publicly available databases and has submitted requests for information from various agencies (i.e., MECP and City of Guelph). ERIS searched federal, provincial, and private databases. Several records were available for the Site and Phase One Study Area. A copy of the ERIS report is provided in **Appendix B**.

A summary of the pertinent records for the Study Area are summarized in **Table 1**.

Based on the information provided in the ERIS report, the following addresses were identified with PCAs:

- 256 Victoria Road South as a historical generator of multiple wastes and chemicals and the location of multiple chemical spills to the air, ground, and surface water (i.e., Eramosa River);
- 165 Dunlop Drive (also referred to as 781 York Road) for the historical presence of petroleum fuel tanks;
- 555 Stone Road East for a historical spill of 50 L of diesel fuel; and
- 328 Victoria Road South (the Site) as a historical generator of light fuels, waste oils and lubricants.

The above addresses with PCAs are shown on **Figure 4**.

Previous Environmental Reports for the Phase One Property

MTE requested copies of previous reports pertaining to the Phase One Property. Information considered relevant to the Phase One ESA is summarized below.

Historical Soil and Groundwater Data and MECP Site Condition Standards

MTE compared historical soil and groundwater data obtained from previous reports, as discussed in this section, to the MECP Table 1: Full Depth Background Site Condition Standards (SCS) for Residential / Parkland / Institutional / Institutional / Industrial / Commercial / Community (RPIICC) Property Use from the Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the *Environmental Protection Act* (EPA), April 15, 2011 (2011 Table 1 RPIICC SCSs). The Phase One Property is considered to be a “Table 1” site since it contains, or is within 30 m of, an area of natural significance as defined in O.Reg. 153/04 (as amended) as discussed in Section 4.0(b)(x). Also, the Phase One Property is proposed to include future RPIICC uses.

The location of the soil and groundwater samples along with historical data discussed in this section are presented on **Figure 5**.

Turfgrass Institute Lands

The following reports associated with the Turfgrass were available for review by MTE.

- Phase I Environmental Site Assessment, URS Canada Inc. (May 2006);
- Phase II Environmental Site Assessment, Franz Environmental Inc. (May 2007);
- Phase One Environmental Site Assessment, GHD (February 2017);
- Phase Two Environmental Site Assessment, GHD (November 2017);
- Summary of Findings – Environmental Verification Testing, Spill Containment UST, Englobe Corp. (January 2019);
- Geotechnical Investigation and Slope Stability Assessment, DS Consultants Ltd. (January 2020);
- Supplemental Soil Sampling and Analysis Program, MTE (July 2020);
- UST Removal Confirmatory Soil Sampling and Reporting, GHD (June 2021); and
- Summary of Environmental Conditions, GHD (2021).

Phase I Environmental Site Assessment, Guelph Turfgrass Institute & Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by URS Canada Inc.; dated May 10, 2006, for Ontario Realty Corporation.

- URS Canada Inc. (URS) was retained by Ontario Realty Corporation to conduct a Phase I ESA of the Turfgrass Lands for due diligence purposes.
- Lead and arsenic were identified in elevated concentrations in the area of the former apple orchard (the location of which is shown on **Figure 2**), which were reported to have originated from the spraying of lead arsenate, a pesticide historically use on apple orchards. **MTE identified the presence of metals and pesticides in the apple orchard as a PCA.**
- An underground storage tank (UST) was identified east adjacent to the Frost Centre Building (the location of which is shown on **Figure 2**). The UST was connected to a waste disposal sink in the laboratory located inside the Frost Centre Building. The tank was 15 years old in 2006 with no prior reported evidence of leaking. *This UST was subsequently removed in 2019 and the resulting excavation was assessed by Englobe; based on their investigation MTE did not identify this UST as a PCA.*
- Solid waste items (i.e., trash, yard waste, drums, furniture) were observed deposited north of the Frost Centre Building believed to be a result of illegal dumping by unauthorized trespassers (illegal dumping area). URS did not rule out the deposition of industrial or chemical wastes in this area due to unauthorized persons having access to the Turfgrass Lands. *This potential illegal dumping area was assessed by Franz in 2007; based on their investigation MTE did not identify it as a PCA.*
- A sump/catch basin was located in the maintenance workshop (the location of which is shown on **Figure 2**). It could not be determined if the sump was connected to any drainage system. The workshop was used to wash down lawn equipment including tractors, therefore, the potential discharge of contaminants into the sump from wash water was of potential environmental concern. **MTE identified the storage, transmission and discharge of wastewater from the Maintenance Workshop as a PCA.**

- A house was formally present within the southwest portion of the Turfgrass Lands prior to 1930 to at least 1982 (the location of which is shown on **Figure 2**). URS did not rule out the use of heating fuel to heat this former dwelling. **MTE identified the potential presence of a fuel storage tank within/adjacent to former Building A as a PCA.**
- Wastewater from former Environmental Toxicology Research Area (ETRA; the location of which is shown on **Figure 2**) was tested prior to discharge. Water with chemicals that degrade or mineralize were discharged into the lagoon for irrigation use in the Turfgrass Lands. Water that contained residual toxins was filtered by activated carbon treatment system (no data on the filtration efficiency was available for review) and was discharged to ground surface on the hill slope located on the north side of the pond. **MTE identified the ETRA as a PCA.**
- A railway present north adjacent to the Turfgrass Lands (the location of which is shown on **Figure 2**), had no visual evidence of contamination; however, URS noted railways are known to be associated with environmental concerns. **MTE identified the off-Site railway as a PCA.**

Phase II Environmental Site Assessment, Final Report, Guelph Turfgrass Institute, 328 Victoria Road South, Guelph, Ontario; by Franz Environmental Inc.; dated March 27, 2007, for Ontario Realty Corporation.

- Franz Environmental Inc. (Franz) was retained by the Ontario Realty Corporation to conduct a Phase II ESA to address the APEC's identified in a Phase I ESA conducted by URS in 2006.
- Franz collected five surficial soil samples were collected within the former apple orchard between 0.0 and 0.5 metres below ground surface (mbgs) for analysis of metals. Arsenic and lead concentrations greater than 2011 Table 1 RPIICC SCSs were observed in the upper 0.6 m of soil (reportedly from the use of lead arsenate), a depth interval generally disturbed by farming activity. No spatial trend was identified in the concentrations of arsenic and lead. **MTE identified these shallow soil metal impacts as a PCA.**
- Franz conducted three test pits within the illegal dumping area noted in the 2006 URS Phase I ESA, north of the Frost Centre Building. Franz collected three shallow soil samples (0.1-0.6 mbgs) for analysis of metals, benzene, toluene, ethylbenzene, and xylenes (BTEX), and/or petroleum hydrocarbons (PHCs); all results were below 2011 Table 1 RPIICC SCSs. Based on these soil sample results, MTE did not identify this illegal dumping area as a PCA.
- Franz collected two wastewater samples from the wastewater UST located west adjacent to Frost Centre Building for polychlorinated biphenyls (PCBs), volatile organic compounds (VOCs), and organochlorine pesticide (OCPs); all results were below 2011 Table 1 RPIICC SCSs.
- Franz collected a sample of standing water from the maintenance workshop catch basin for analysis of PHCs; all results were below 2011 Table 1 RPIICC SCSs. A sample of sludge/sediment was collected from the catch basin for analysis of PCBs, BTEX, OCPs, and PHCs; BTEX and PHCs exceeded 2011 Table 1 RPIICC SCSs. The catch basin has been reported to discharge to the ground surface via a pipe; however, the discharge outlet was not located. The current status of the catch basin and associated drainage piping should be evaluated.

- Franz advanced/installed one borehole/monitoring well near two nested aboveground fuel storage tanks (ASTs C&D), located east adjacent of the maintenance workshop (the location of which is shown on **Figure 2**). A soil sample was collected from the borehole (5.3-5.5 mbgs) for analysis of BTEX and PHCs; all results were below 2011 Table 1 RPIICC SCSs. A groundwater sample was collected from the monitoring well for analysis of PHCs and BTEX; all results were below 2011 Table 1 RPIICC SCSs. **MTE identified these nested ASTs (C&D) as a PCA.**
- Franz reported that wastewater generated from the ETRA was treated via an activated carbon drum filter and discharged onto the ground surface; however, did not specify the location. One wastewater sample was collected from the influent and effluent of the treatment system for analysis of PBCs, OCPs, and metals; all results were below 2011 Table 1 RPIICC SCSs.
- Franz advanced two boreholes in the area of a former dwelling (Building A) located in the southwest portion of the Turgrass Lands and collected two soil samples (1.4-3.0 mbgs) for analysis of PHCs and BTEX; all results were below 2011 Table 1 RPIICC SCSs. However, turf grass was being grown in this area at the time of this assessment. The exact location of the house was covered in turf as part of an on-going scientific study and was not accessible for testing and sampling.
- Franz conducted three test pits south adjacent to the railway corridor and collected three shallow soil samples (0-0.2 mbgs) for PHCs, BTEX, metals and/or PAHs; PHC F2 exceeded 2011 Table 1 RPIICC SCSs. Franz was unable to conduct a planned borehole/monitoring well program due to the presence of an underground water main, which could not be accurately located. **MTE identified these shallow soil impacts as a PCA.**

Phase One Environmental Site Assessment, Guelph Turfgrass Institute and Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by GHD Limited; dated February 6, 2017; for Infrastructure Ontario.

- GHD was retained by Infrastructure Ontario to conduct a Phase One ESA to document environmental conditions at the Turfgrass Lands in support of the planned disposition of the Property.
- GHD noted that soil and groundwater impacts were previously identified on the former Wellington Detention Centre property. Based on available information, PAHs impacts in soil fill material, cobalt impacts in groundwater, and localized PHC impacts exist on the adjacent property.
- Pesticides and fertilizers were reported to have been applied to large areas of the Turfgrass Lands. Previous reports found impacts of arsenic and lead in the soil in the area of the former orchard. **MTE identified the use of pesticides within the current and historical agricultural and agroforestry lands as a PCA.**
- Based on historical aerial photographs, GHD noted several buildings were formally located on the western portion of the Turfgrass Lands. No records of the demolitions and fate of the building materials were found. GHD concluded the building may have been used for residential/agricultural purposes, which may have been heated using wood, coal, and/or fuel oil and the potential of historical fuel storage tanks. The residual materials of the former buildings may have been deposited in this area. **MTE identified the former buildings and potential fuel tanks as a PCA.**

- According to Site personnel, large quantities of fill material were imported to construct the Guelph Turfgrass Institute and Environmental Research Centre (the location of which is shown on **Figure 2**). No records documenting the quality of the imported fill were found. According to Site personnel, deleterious substances were encountered during an excavation on the southwest portion of the Site. **MTE identified the importation of fill material into the former putting greens and research turf ranges as a PCA.**
- GHD noted the historical operation of the ETRA, which consisted of 26 small pools (microcosms), one trailer, three small storage sheds, a concrete UST, and a wastewater treatment system. According to Site personnel, industrial chemicals, pesticides, pharmaceuticals, flame-retardants, wood treatment chemicals, and surfactants have been placed in small quantities in the pools to study the effect on organisms and animals. At the end of research project, clean water in the pools was discharged to the Site irrigation pond (the location of which is shown on **Figure 2**), otherwise the wastewater was discharged to the UST. From the UST, the wastewater was treated through an activated carbon system or an ion exchange system prior to being discharged to the ground surface. No analytical data were available to document the water quality. GHD observed containers of hexane, methanol, and acetone being used in the research operations during their Site inspection. At the end of a research project, the sediment in the pool(s) was tested and if no concentrations of chemicals were detected, the sediment was placed on the ground surface in the northeastern portion of the ETRA. If residual chemicals were detected in the sediment, it was placed in drums and transported off Site. No analytical data were available to document sediment quality. **MTE identified the discharge of wastewater into the irrigation pond as a PCA.**
- Two former nested ASTs (A&B) with a 1,360 L capacity were present during GHD's Site visit adjacent to the north side of the workshop (the location of which is shown on **Figure 2**) and were used to store gasoline and diesel fuel for refueling on-Site equipment. Site personnel stated that the ASTs were used approximately from 1990 to 2006 and were not aware of any spills/releases associated with the operation of the former ASTs. No visual evidence of staining was observed by GHD in the area of the former ASTs. **MTE identified these nested ASTs (A&B) as a PCA.**
- GHD noted the presence of an electrical transformer located east of the Frost Centre Building (the location of which is shown on **Figure 2**), which is owned and operated by Guelph Hydro. Site personnel stated that the transformer was installed in 1991 and does not contain PCBs. No visual evidence of staining was observed in the area of the transformer by GHD during their Site inspection.
- GHD noted that domestic and laboratory wastewater generated from the Frost Centre Building was discharged directly to an on-Site septic system located south of the building. Unknown quantities of laboratory chemicals may have historically been discharged into the septic field (the location of which is shown on **Figure 2**). **MTE identified the potential discharge of laboratory wastewater into the septic field as a PCA.**
- GHD noted the presence of a 2,250 Litre (L) steel spill containment UST located east adjacent to the Frost Building (the location of which is shown on **Figure 2**). The UST was installed in 1991 and was historically connected to a former sink located in a fume hood in the laboratory.

- Nested gasoline and diesel fuel ASTs (C&D) are present east of the workshop (the location of which is shown on **Figure 2**). No visual evidence of staining was observed by GHD in the area of the ASTs during their Site inspection.
- GHD noted a workshop located east of the Frost Building was equipped with one floor drain (the locations of which are shown on **Figure 2**). The connection/discharge point for the floor drain was unknown; however, Site personnel stated it was likely connected to the stormwater system (tile drainage system) at the Site.
- GHD recommended a Phase Two ESA be completed before filing an RSC.

Phase Two Environmental Site Assessment, Guelph Turfgrass Institute and Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by GHD Limited; dated November 24, 2017; for Infrastructure Ontario.

- GHD was retained by Infrastructure Ontario to conduct a Phase Two ESA to document environmental conditions at the Turfgrass Lands preparatory to the potential disposition of the Property.
- GHD advanced 25 boreholes across the Turfgrass Lands; 10 of which were instrumented as monitoring wells. Borehole/monitoring wells were advanced to depths ranging from 0.76 to 6.10 mbgs. GHD also excavated 58 test pits across the Turfgrass Lands to depths ranging from 0.30 to 3.05 mbgs. GHD collected soil sample from the boreholes and test pits for analysis of metals and inorganics, arsenic, lead, VOCs, PHCs, BTEX, PAHs, OCPs, and/or pH. The above noted sample locations are shown on **Figure 2**.
- GHD described the general stratigraphy of the Turfgrass Lands as topsoil (0.06-0.45 mbgs) underlain by silty sand fill (0.18-2.07 mbgs) underlain by native silty sand/sandy silt (0.15-5.79 mbgs) and/or a native clayey silt/silty clay (0.12-4.81). Bedrock was encountered between 0.46 to 2.44 mbgs within boreholes and was observed at ground surface in some areas along the northeastern portion of the Turfgrass Lands.
- Groundwater was encountered at depths ranging from 1.68 and 4.93 mbgs.
- Based on the soil analytical data generated during the GHD investigative the following was noted:
 - Concentrations of metals exceeded 2011 Table 1 RPIICC SCSs in the shallow soils at borehole BH14-17 and test pit TP4-17 within the northwest corner of the Phase One Property. **MTE identified these shallow soil impacts as a PCA.**
 - Concentrations of metals and hydrides, OCPs, and/or BTEX exceeded 2011 Table 1 RPIICC SCSs in the shallow soils at the boreholes and test pits conducted in the former apple orchard.
 - Concentrations of OCPs exceeded 2011 Table 1 RPIICC SCSs in the shallow soils collected by GHD at several boreholes and test pits conducted throughout the Turfgrass Lands within agricultural and agroforestry lands. **MTE identified these shallow soil impacts as a PCA.**
 - Concentrations of metals and inorganics, VOCs, PHCs, PAHs, and OCPs were below the 2011 Table 1 RPIICC SCSs in groundwater samples collected by GHD with the exception of a slightly elevated concentration of benzo(a)pyrene in MW11-17. GHD noted that this groundwater sample contained some sediment during sampling and this exceedance of 2011 Table 1 RPIICC SCSs may have been attributed to sediment in the groundwater. **MTE identified this groundwater impact as a PCA.**

Summary of Findings - Environmental Verification Testing,
Spill Containment UST, Guelph Turf Institute Facility, 328 Victoria Road South, Guelph, Ontario;
by Englobe Corp.; dated January 15, 2019, for University of Guelph.

- Englobe Corp. (Englobe) was retained by University of Guelph to conduct environmental verification testing following the decommissioning (removal) of the wastewater UST and associated piping located adjacent to the Frost Building (the location of which is shown on **Figure 2**).
- Englobe, with the assistance of KGS Services Inc., removed one single-wall, 1,890 L capacity, fibreglass UST on December 4, 2018. The UST was reported to be in good physical conditions with no visual signs of perforations or exterior staining.
- In total, 1,221 L of remaining liquid contents were vacuumed out of the UST prior to its removal by Covanta Environmental Solutions Ontario Inc. and transported off-Site to a disposal facility.
- The UST excavation was approximately 4 m wide by 4 m long with a depth of 2.35 mbgs and remained dry throughout the project. Englobe collected 4 soil samples from the UST excavation for laboratory analysis of PHCs, VOCs, and metals; all results were found to be below 2011 Table 1 RPIICC SCSs.
- Based on the condition of the UST upon removal and the analytical results of the Englobe sampling program, MTE did not identify this former wastewater UST as a PCA.

Geotechnical Investigation and Slope Stability Assessment, Guelph Innovation District Lands,
Victoria Road S, Guelph, ON; by DS Consultants Ltd., dated January, 2020; for Mattamy Homes
Canada.

DS Consultants Ltd. (DS) was retained by Mattamy Homes Limited (Mattamy) to perform subsurface investigation work within the Turfgrass and Detention Lands in January of 2020, however, no formal report of these activities was provided to MTE. A summary of the available information regarding the work performed within in the Turfgrass Lands is provided below.

- Based on borehole logs and Site figures provided to MTE, DS advanced seven boreholes across the Turfgrass Lands, BH301-17 to BH307-17 (the location of which is shown on **Figure 2**).
- Based on MTE's field notes, MTE was present during the borehole drilling activities and collected environmental soil samples from the DS boreholes between 0 and 1.4 mbgs, for analysis of OCPs, metals and inorganics, PAHs, and/or PHCs.
- Concentrations of OCPs in shallow soil samples collected from BH301-17, BH302-17, and BH303-17 exceeded the 2011 Table 1 R/P/I/I/C/C SCSs. **MTE identified these soil impact as a PCA.**

Supplemental Soil Sampling and Analysis Program, Guelph Innovation District (GID) Lands,
Guelph, Ontario; by MTE Consultants Inc.; dated July 16, 2020; for Mattamy Homes Limited.

- MTE was retained by Mattamy to conduct a supplemental soil sampling program to delineate the extent of impacts previously identified at the Turfgrass Lands and to develop cost estimates for remediation of these areas.
- MTE advanced 25 boreholes to a maximum depth of 1.5 mbgs within the east central portion of the Turfgrass Lands (near TP55) and 37 boreholes to a maximum depth of 3.7 mbgs within the northwest (near the apple orchard) and west central (southeast of apple orchard) portion of the Turfgrass Lands. The above noted sample locations are shown on **Figure 2**.

- In total, 76 delineation soil samples were collected by MTE for analysis of metals and hydrides and OCPs, 23 of which had concentration that exceeded 2011 MECP Table 1 R/P/I/I/C/C SCSs for metals, OCPs, and/or hydrides. **MTE identified these soil impact as a PCA.**
- The results of MTE's soil analytical data confirmed that previous estimated extents of soil contamination by others were underestimated and that contaminants of concern (COCs) are present in soil across a larger area of the Site.

Summary of Environmental Conditions, Guelph Turfgrass Institute and Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by GHD Limited; dated February 12, 2021; for Infrastructure Ontario.

- GHD was retained by Infrastructure Ontario to prepare a summary of current environmental conditions at the Turfgrass Lands property.
- No new samples/information was collected by GHD. This document summarizes the reports listed above. Based on the results of the previous investigations, GHD concluded that the historic use of the Turfgrass Lands for agricultural purposes has resulted in impacts to shallow soil on the Turfgrass Lands, predominantly focused on the northwestern portion of the Site where an orchard was historically located. Groundwater analytical results from the previous investigations indicate that there is no evidence of groundwater impacts in the Turfgrass Lands, with the exception of a localized area of PAHs impacted groundwater adjacent to the former Wellington Detention Centre property.

UST Removal Confirmatory Soil Sampling and Reporting, Guelph Turfgrass Institute and Environmental Research Centre, 328 Victoria Road South, Guelph, ON; by GHD Limited, dated June 1, 2021; for University of Guelph.

- GHD was retained by the University of Guelph to provide environmental consulting services for the removal of a 4,500 L concrete UST (the location of which is shown on **Figure 2**) associated with the ETRA. The UST was historically used to contain water with residual chemicals that were subsequently treated using a carbon system or ion exchange system. GHD noted that the UST was not regulated by the TSSA as it was not used for petroleum products storage.
- Prior its removal, GHD collected a sample of the liquid contained inside the UST for laboratory analysis of PHCs, VOCs, and OCPs; all results were below 2011 MECP Table 1 R/P/I/I/C/C SCSs. No evidence of sheen or non-aqueous phase liquid (NAPL) was observed during sampling activities.
- GHD reported that the UST was removed by a subcontractor under the direction of University of Guelph. GHD was not present during the UST removal and did not observe the condition of the tank. The stratigraphy observed by GHD in excavation generally consisted of topsoil underlain by silty sand and sandy silt soils. A marginal amount of water was observed in the bottom of the excavation. No evidence of sheen or non-aqueous phase liquid was observed in the excavated soils or within the accumulated water at the base of the excavation.
- GHD collected six grab soil samples from the excavation four sidewall and two floor, (plus one duplicate) for laboratory analysis of PHCs, VOCs, metals and inorganics, and OCPs. All results were below 2011 MECP Table 1 R/P/I/I/C/C SCSs, with the exception of one sample collected from the excavation floor which had a marginally OCP exceedance.

- Based on GHD's report and the analytical results of the sampling program, MTE did not identify this former UST as a PCA. The OCP exceedance in the soil sample collected from the base of the UST excavation was likely associated with the use of pesticides due to its location within the former apple orchard (which MTE has already identified as a PCA).

Wellington Detention Centre Lands

The following reports associated with the Detention Lands were available for review by MTE.

- Phase I Environmental Site Assessment, Sendex Environmental Corp. (2005);
- Phase I Environmental Site Assessment, URS Canada Inc. (2005);
- Phase II Environmental Site Assessment, Franz Environmental Inc. (2007);
- Soil and Groundwater Delineation, MTE Consultants Inc. (2010);
- Environmental Site Remediation, DST Consulting Engineers (2011);
- Phase One Environmental Site Assessment, WESA (2012);
- Phase Two Environmental Site Assessment, WESA (2012);
- Risk Assessment, WESA (2012);
- Supplemental Soil Sampling and Analysis Program, MTE (2019); and
- Geotechnical Investigation and Slope Stability Assessment, DS Consultants Ltd. (2020).

Phase I Environmental Site Assessment, Former Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by Sendex Environmental Corporation; dated December 30, 2005; for SNC Lavalin ProFac Inc.

- Sendex Environmental Corp. (Sendex) was retained by SNC Lavalin ProFac Inc. to conduct a Phase I ESA to document environmental conditions at the Detention Lands for due diligence purposes.
- Sendex noted two nested USTs were located on the north side of the former Detention Centre (USTs A&B), the location of which is shown on **Figure 2**. These USTs were reportedly removed in 1989; however, there was no documentation available on their removal. **MTE identified nested USTs A&B as a PCA.**
- Building construction materials suspected to be asbestos-containing materials (ACMs) were observed by Sendex in the Detention Centre buildings. Surveys for ACMs and abatement work were reported to have been conducted; however, copies of these reports were not available for review.
- One water supply well was observed by Sendex in the Detention Centre pump house, which was reportedly not in service. Sendex noted two groundwater wells were potentially located on the Detention Lands; however, well records were not available and the status of the wells could not be determined.
- Sendex noted that the Detention Land buildings were municipally serviced with sanitary sewers, but historically, sewage went to an in-ground septic tank, screening chamber and weeping tile located west of the Detention Centre buildings. No documentation regarding the construction of the septic system was available.

- Sendex noted that sumps/pits were present on the lower floor of the Detention Centre building and were reportedly used for the collection and pumping of sewage, in the pump house; however, Sendex was not able to access these sumps/pits.

Phase I Environmental Site Assessment, Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by URS Canada Inc.; dated May 12, 2006; for Ontario Realty Corporation.

- URS was retained by Ontario Realty Corporation to conduct a Phase I ESA to document environmental conditions at the Detention Lands to assist with the future use of the property.
- URS noted that three USTs were previously located within the Detention Lands, all of which contained heating oil for the building boilers prior to the conversion to natural gas in the 1980s, the location of which is shown on **Figure 2**. Two (USTs A&B) had capacities of 4,500 L and one (UST C) had a capacity of 2,200 L. The tanks were reportedly removed in 1989 or 1992, however there was no documentation regarding their removal. **MTE identified UST C as a PCA.**
- URS stated that a house (Building C) was previously present on the Site from before 1930 to at least 1982 (the location of which is shown on **Figure 2**) and was likely heated by fuel oil; however, no documented of this was found. **MTE identified the potential presence of a fuel storage tank within/adjacent to Building C as a PCA.**
- URS identified the potential presence of ACMs in three of the Detention Land buildings.
- URS stated that based on the age the Detention Land buildings, PCBs may be present in the electrical equipment and lead may be present in paints.
- Two wells of unknown status were reported by URS to have been located north of and beneath the Pump House.

Phase II Environmental Site Assessment, Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by Franz Environmental Inc.; dated March 26, 2007; for Ontario Realty Corporation.

- Franz was retained by the Ontario Realty Corporation to conduct a Phase II ESA for the Detention Lands to address the four APECs identified in a Phase I ESA conducted by URS in 2006.
- Franz conducted six test pits near the former house (Building C), five test pits near former UST C, and two test pits near former USTs A&B to a maximum depth of 3 mbgs. Soil samples were collected from six of the test pits for analysis of PHCs and metals and hydrides; all results were below 2011 Table 1 RPIICC SCSs.
- Franz advanced one borehole near the former UST C and two boreholes near former USTs A&B to a maximum depth of 10.7 mbgs, one of which was completed as a monitoring well. Soil and groundwater samples from the boreholes/monitoring wells were analyzed for PHCs and BTEX; all results were below 2011 Table 1 RPIICC SCSs, with the exception of PHC F2 and F3 in a soil sample from BH/MW1 at a depth range of 5.3 to 5.9 mbgs (native sandy silt layer). **MTE identified these soil PHC impacts as a PCA.**
- Franz noted that the general soil stratigraphy within the Detention Lands consisted of a thin layer of topsoil underlain by native silt till formation. However, a layer of fill material was encountered within the Detention Centre compound comprising of sand and gravel mixed with some cobbles and/or pebbles to depths found up to 4.5 mbgs. The groundwater was measured at 7.84 mbgs.

Final Soil and Groundwater Delineation, 588 Stone Road East, Guelph, Ontario; by MTE Consultants Inc.; dated October 4, 2010; for Ontario Realty Corporation.

- MTE was retained by the Ontario Realty Corporation to conduct delineate the soil and groundwater quality in the vicinity of the former fuel oil USTs A&B based on findings in the 2007 Franz Phase II ESA report.
- MTE advanced seven boreholes in the vicinity of the former USTs A&B to a maximum depth of 10 mbgs, three of which was completed as a groundwater monitoring well. In total, 18 soil samples and three groundwater samples were collected for analysis of PHCs and/or BTEX.
- PHC concentrations in soil samples collected from BH204-10, BH205-10, BH206-10, and MW203-10 (samples intervals ranging from 3.8 to 7.47 mbgs) exceeded 2011 Table 1 RPIICC SCSs. The toluene concentration in the groundwater sample collected from MW201-10 exceeded 2011 Table 1 RPIICC SCS.
- MTE noted that the soil stratigraphy consisted of sand and gravel fill material with asphalt or brick fragments to a maximum depth of 2.13 mbgs, underlain by a native sands and gravel layer, with a slit sand layer encountered between 5.5 and 7.3 mbgs. Groundwater was observed at 9.32 and 10.52 mbgs. Minor PHC staining and odours were observed at BH204 between 4.57 and 5.18 mbgs and at BH205 between 3.81 and 5.94 mbgs. **MTE identified these soil and groundwater impacts as a PCA.**

Environmental Site Remediation, Former Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by DST Consulting Engineers Inc.; dated March 2011; for Ontario Realty Corporation.

- DST Consulting Engineers Inc. (DST) was retained by the Ontario Realty Corporation to provide supervision and documentation of the soil excavation in the area of previously identified impacts in the Detention Lands (i.e., the vicinity of the USTs A&B) in preparation for future sale of the Site.
- DST noted that an excavation the size of 692.72 square meters (m²) was conducted to a maximum depth of 9.5 mbgs. DST did not note any groundwater infiltrated into the excavation during remedial activities.
- DST collected 13 soil samples from the excavation floor and sidewalls for analysis of PAHs and/or PHCs (not shown on Figure 5). PHC concentrations in soil samples EX1FL3 (8.5 mbgs), EX1NW13 (8.5 mbgs), and EX1SW19 (8.5 mbgs) exceeded 2011 Table 1 RPIICC SCSs. PAH concentrations in soil sample EX1SW20 (2 mbgs) exceeded 2011 Table 1 RPIICC SCSs. **MTE identified these soil impacts as a PCA.**
- Soil removed from the excavation was temporally stored in nine separate stockpiles on-Site. DST collected 17 samples from the 9 stockpiles (including one duplicate sample) for analysis of PAHs, PHCs, and/or metals (not shown on Figure 5).. DST notes that PAH concentrations in soil samples collected from 7 of the 9 stockpiles exceeded the Table 2: Full Depth Generic SCSs in a Potable Ground Water Condition, Residential/Parkland/Institutional Property Use, from the Soil, Groundwater and Sediment Standards for Use under Part XV.1 of the EPA, July 2009 (2009 Table 2 Res SCSs). Those soil stockpiles were shipped off-Site to for disposal between in February/March 2011. The other 2 soil stockpiles that met 2009 Table 2 Res SCSs (volumes of approximately 150 m³ and 80 m³, respectively) were placed at the bottom of the excavation, were spread out and compacted in 0.3 m lifts. **MTE identified fill material in this area as a PCA.**

- DST conducted 16 test pits to a maximum depth of 5 mbgs surrounding the excavation to delineate the extent of identified PAH soil impacts. In total, 25 soil samples were collected (including two duplicate samples) for analysis of PAHs; 13 of which exceeded 2011 Table 1 RPIICC SCSs for PAHs. **MTE identified these PAH soil impacts as a PCA.**
- Piping with ACM was encountered during the excavation activities; a total of 2.94 tonnes of ACM waste was removed from the Detention Lands and transported off-Site for disposal.

Phase One Environmental Site Assessment, 588 Stone Road, Guelph, Ontario; by WESA Inc.; dated May 2012; for Infrastructure Ontario.

- WESA Inc. (WESA) was retained by Infrastructure Ontario to conduct a Phase One ESA to assess the environmental liabilities associated with the Site in support of a submission of a RSC.
- WESA identified three PCAs on the Detention Lands; i) fertilizer use, storage and handling, ii) fuel storage and dispensing, and iii) importation of fill material of unknown quality. As a result, the following three APECs were identified:
 - Fill material used in the vicinity of former Detention Centre buildings during construction or following demolition resulting in identified PAH impacted soil; **MTE identified the use of soil fill as a PCA;**
 - Presence of asbestos-containing pipes below the former footprint; and
 - The potential application of fertilizers and pesticides (nitrogen species) in the leased agricultural lands (to the west and south of the former Detention Centre Compound). **MTE identified the use of pesticides as a PCA.**
- The historical presence of two fuel USTs (A&B) adjacent to the Detention Centre building resulting in soil being impacted was also considered an APEC; however, since these impacts were remediated by DST in 2011 WESA did not consider this an APEC.

Phase Two Environmental Site Assessment, 588 Stone Road East, Guelph, Ontario; by WESA Inc.; dated December, 2012; for Infrastructure Ontario.

- WESA was retained by Infrastructure Ontario to conduct a Phase Two ESA to assess the three APECs identified in their Phase One ESA in preparation for future sale of the Site.
- WESA advanced 4 boreholes, which were instrumented as monitoring wells and conducted 14 test pits within the former Detention Centre Compound. In total, 37 soil samples were collected for analysis of PAHs, PCBs, metals and hydrides, PHCs, OCPs and/or organic carbon. PAH and PHC concentrations in the soil sample collected from MW1-11 between 7.6 and 8.3 mbgs exceeded 2011 Table 1 RPIICC SCSs. In total, 11 shallow soil samples collected from test pits exceeded 2011 Table 1 RPIICC SCSs for metals and hydrides, and PAHs. A detection limit exceedance of hexavalent chromium [Cr (VI)] was also observed, however, since there are no historical exceedances of chromium and no potential sources of Cr (VI) on the Phase One Property, this was not considered a COPC. **MTE identified these soil impacts as a PCA.**
- Seven groundwater samples were collected from the four monitoring wells installed by WESA for analysis of PAHs, metals, and/or PHCs between October 2011 and April 2012. Groundwater sample concentrations at MW1-11, MW3-11, and MW4-11 exceeded 2011 Table 1 RPIICC SCSs for metals, PHCs, and/or PAHs. **MTE identified these groundwater impacts as a PCA.**

- Groundwater was identified between 8.53 and 9.67 mbgs.

Risk Assessment, 588 Stone Road East, Guelph, Ontario; by WESA Inc.; dated December, 2012; for Infrastructure Ontario.

- WESA was retained by Infrastructure Ontario to prepare a Risk Assessment (using the Modified Generic Risk Assessment [MGRA] or Tier II Approach) to estimate potential exposures and risk for purpose of disposing of the Detention Lands property for redevelopment for residential or commercial use.
- WESA identified the following COCs in soil: antimony, boron (hot water soluble), cadmium, zinc, PHC F2 and F3, and 11 PAH parameters. WESA identified one COC in groundwater; cobalt.

Supplemental Soil Sampling and Analysis Program, Former Detention Centre Land, performed by MTE, 2019-2020, for Mattamy Homes Canada.

During the 2019-2020 subsurface investigation program conducted in the Turfgrass Lands on behalf of Mattamy (as documented in the Section above), MTE also conducted subsurface investigations within the Detention Lands; however, it was never documented in a formal report. A summary of the available information regarding the work performed in the Detentions Lands is provided below.

- MTE conducted 15 boreholes across the Detention Lands, one of which was instrumented as a permanent monitoring well (MW217-19).
- In total, 33 soil samples were collected by MTE between 0 and 12.5 mbgs, several of which had concentration that exceeded the 2011 Table 1 R/P/I/I/C/C SCSs for metals and hydrides, OCPs, PAHs, PHCs, and VOCs. **MTE identified these soil impacts as a PCA.**
- One groundwater sample was collected by MTE for analysis of metals and hydrides, OCPs, PAHs, PHCs, and VOCs; concentrations were below the 2011 Table 1 R/P/I/I/C/C SCSs.

Geotechnical Investigation and Slope Stability Assessment, Guelph Innovation District Lands, Victoria Road S, Guelph, ON; by DS Consultants Ltd., dated January, 2020; for Mattamy Homes Canada.

DS was retained by Mattamy to perform subsurface investigation work within the Turfgrass and Detention Lands in January of 2020, however, no formal report of these activities was provided to MTE. A summary of the available information regarding the work performed within in the Detention Lands is provided below.

- Based on DS borehole logs and Site figures obtained by MTE, DS advanced two boreholes within the Detention Lands.
- Based on MTE field notes, MTE was present during the borehole drilling activities and collected environmental soil samples from these boreholes for analysis of OCPs, metals and inorganics.
- In total, two soil samples were collected between 0 and 0.6 mbgs, three of which had concentration that exceeded the 2011 Table 1 R/P/I/I/C/C SCSs for OCPs.

Summary of Historical Soil and Groundwater Data from the Phase One Property

Based on comparison of 2011 Table 1 R/P/I/I/C/C SCSs, MTE identified the following soil and groundwater impacts on the Phase One Property based on a review of the historical sample data presented in the previous environmental reports/documents as summarized in the above Section. **MTE identified these soil and groundwater impacts as a PCA.**

Soil

- Metal impacts were identified in the shallow soils within the northwest corner of Phase One Property within proximity of borehole BH14-17 and test pit TP4-17.
- Metal and hydrides, OCP, and BTEX impacts were identified within the shallow soils throughout the former apple orchard.
- OCP impacts were identified within the shallow soils, concentrated within the central portion of the Phase One Property east of the apple orchard and west of Stone Road, within the former agricultural and agroforestry lands.
- OCP impacts were identified within the shallow soils scattered throughout the Phase One Property within the former agricultural and agroforestry lands.
- Metal and hydrides, OCP, PAH, PHC, and/or VOC impacts were identified within the shallow and deep soils within the former Detention Centre Compound area.

Groundwater

- PAH impacts were identified at five groundwater monitoring wells scattered throughout the Phase One Property within the former agricultural and agroforestry lands.
- Metal impacts were identified at monitoring well MW211-19 within the former agroforestry lands within the southeast portion of the Phase One Property.
- Metal, BTEX, PAH, and/or PHC impacts were identified at four groundwater monitoring wells within the former Detention Centre Compound area.

Other

- BTEX and PHC impacts were identified in a sample of sediment/sludge that was collected by Franz from the bottom of the maintenance workshop catch basin in 2006.

Notes:

- The groundwater monitoring / supply wells located on Site are the responsibility of the property owner. The wells must be maintained or decommissioned by a licensed well technician in accordance with Ontario's Wells Regulation (RRO, 1990, Regulation 903).
- Prior to the demolition of any above ground buildings/structures on the Phase One Property, a designated substance audit (DSA) should be performed to assess for hazardous building materials.

(b) Environmental Source Information

(i) Environment Canada

National Pollutant Release Inventory (NPRI)

The National Pollutant Release Inventory (NPRI) was established in 1992 and is legislated under the Canadian Environmental Protection Act (CEPA, 1999). The NPRI requires companies to report information on releases and transfers of pollutants to the Government of Canada on an annual basis. Only facilities that meet established reporting criteria are required

to report to the NPRI. Pollutants from mobile sources such as cars and trucks, households, facilities that release pollutants on a smaller scale and certain sector activities, such as agriculture and education and some mining activities, are not included in the NPRI.

Environment Canada makes the information available to Canadians in an annual public report and maintains a detailed inventory that can be accessed and searched through an online database. MTE reviewed the NPRI for information pertaining to the Site and Phase One Study Area. The Site was not listed in the NPRI, however, two properties within the Phase One Study Area were listed in the NPRI. The following is a summary of the records:

- **165 Dunlop Drive** (approximately 160 m north of the Site): Cargill Limited was listed in the inventory with a release of ammonia (total) HCFC-22, PM10, PM2.5 and volatile organic compounds to air between 2004-2017.
- **256 Victoria Road South** (approximately 40 m west of the Site): Mayflower Properties Inc. was listed in the inventory with a release of several substance, such as (but not limited to) benzene, 1,4-Dioxane, ethylbenzene, ethylene glycol, ethylene oxide, hexane, mercury, methyl ethyl ketone, phenol compounds, toluene and xylene to air between 1993-2017.

Based on the NPRI search results, the above noted addresses were identified with PCAs due the presence of these chemicals in their facilities releases. The above (off-Site) addresses with PCAs are shown on **Figure 4**.

Federal Contaminated Sites and Solid Waste Landfills Inventory

On July 1, 2000, the Government of Canada introduced the Federal Contaminated Sites and Solid Waste Landfills Inventory Policy that states that departments and agencies that hold property must establish and maintain a database of their contaminated sites and solid waste landfills and that this information must be submitted to the Treasury Board Secretariat for inclusion in a central inventory.

The inventory includes all known Federal Contaminated Sites for which departments and agencies are accountable. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. Based on a review of the inventory, neither the Site nor surrounding properties within the Phase One Study Area were listed.

(ii) PCB Information

The MECP, Waste Management Branch, maintained 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 MECP. This database contains information on PCB Sites including: 1) Site ID number; 2) Location; and 3) Site classification.

A review of the “Ontario Inventory of PCB Storage Sites” (MOE, April 1995) indicated that neither the Site nor surrounding properties within the Phase One Study Area were registered as a PCB Storage Site.

(iii) Environmental Registry

The Environmental Registry was created in 1994 to provide residents of Ontario access to environmentally significant decisions that the Government of Ontario is considering. The Registry contains a collection of notices about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones.

These notices include decisions on Environmental Compliance Approvals (ECAs, formerly Certificates of Approval), Permits to Take Water, Certificates of Property Use and similar instruments related to the environmental conditions of properties in Ontario. The Registry also contains a list of court actions that have been initiated under the Environmental Bill of Rights.

MTE reviewed the Environmental Registry and Access Environment for information pertaining to the Phase One Study Area. The following listings were available for the Phase One Property, however, they do not represent a concern to the Site:

Environmental Compliance Approval Number	Proponent	Date	Description
2606-63BL6S	Corporation of the City of Guelph	August 12, 2004	Approval for the construction/operation of an infiltration basin, stormwater management dry pond, and rock check dams.
4366-6BTRUX	Ontario Realty Corporation	May 17, 2005	Expired. Approval for water taking for heat pump purposes.
2575-75QKTC	Waterloo Geoscience Consultants Ltd.	August 7, 2007	Expired. Approval for water taking for pumping test purposes.
7675-7CTSHN	University of Guelph	April 28, 2008	Expired. Approval for water taking for heat pump and agricultural purposes.
8027-6BVPZT	Guelph Turfgrass Institute	May 20, 2015	Expired. Approval for water taking for agricultural purposes
0348-AYMRFS	University of Guelph	May 11, 2018	Expired. Approval for water taking for heat pump and agricultural purposes.

The relevant listings for the Phase One Study Area are summarized in Section 4.0(a)(v). A copy of the above listed ECAs are maintained on file at MTE.

(iv) Inventory of Coal Gasification Plants

A review of the MECP “Inventory of Coal Gasification Plant Waste Sites” and “Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars” (MOE, April 1989) indicated that no former coal gasification plants or coal tar distillation plants were listed for the Site and none were identified in the Phase One Study Area.

(v) Environmental Incidents, Orders, Offences, Spills and Discharges

City of Guelph

MTE filed a request for information pertaining to the Phase One Property (328 Victoria Road south and 588 Stone Road East) with the City of Guelph on March 29, 2022. MTE received a response from the City indicating that on July 7, 2014 there was a vehicle fire on the east side of Stone Road East with an impact of 1,000 L of firewater and foam to the ground. Contractors were hired to clean up the impacted area and monitor soil samples. No other records of environmental infractions, spills and/or related concerns for the Phase One Property were noted.

Since this incident occurred on the east side of Stone Road and any hazardous liquids would likely drain to the west (away from the Site), as well, based on the inferred groundwater direction in this area (see Section 4c(ii)), any impacted groundwater would likely migrate to the

west (away from the Site), MTE did not identify this vehicle fire and associated firewater/form use as a PCA.

The City also indicated that there is no historical data to indicate that the Phase One Property is a Brownfield Site or has been used as a cemetery or landfill. A copy of the City's response is included in **Appendix C**.

(vi) Waste Management Records

The Hazardous Waste Information Network (HWIN) is a web-based system that, since 2004, allows generators, carriers and receivers of hazardous waste to register their activities with the MECP online. HWIN has been designed specifically to serve as an implementing tool for Ontario Regulation 347, allowing for the efficient integration of Regulation 347's fee collection requirements with the business processes associated with the manifesting of hazardous waste. Moreover, it provides immediate up-to-date information on the generation, movement and disposal of hazardous waste in Ontario. On-line registration of hazardous waste generators began on January 2, 2002. On-line manifesting and tracking through HWIN began on February 25, 2002.

MTE reviewed the HWIN online database for information pertaining to the Site and Phase One Study Area. There were no records available for the Site, however, two records were available for the surrounding properties within the Phase One Study Area. A copy of the HWIN records is provided in **Appendix C**.

The following properties within the Phase One Study Area were identified with a current HWIN Waste Generator registration:

Address	Approximate Distance and Direction from the Site	Waste Class
256 Victoria Road South	40 m west	122 C – Alkaline Waste 213 L – Petroleum Distillates 221 L – Light Fuels 232 L – Polymeric Resins 251 L – Oil Skimmings and Sludges 252 L – Waste Oils and Lubricants 262 L – Detergents/Soaps 263 L – Organic Laboratory Chemicals

Based on the HWIN search results, the above noted property (256 Victoria Road South) was identified as a PCAs due to the presence of hazardous chemicals. The above off-Site address with a PCA is shown on **Figure 4**.

(vii) Reports Submitted to the MECP (under Freedom of Information)

A written request was filed with the MECP Freedom of Information (FOI) Office on March 23, 2022 for information regarding environmental reports or information on file for the Phase One Property. At the time of issuing this report, MTE had not received a response from the MECP. A copy of this request is maintained on file at MTE.

(viii) Technical Standards and Safety Authority – Fuel Safety Branch

Requests were filed with Information Services at the Technical Standards and Safety Authority - Fuel Safety Branch between March 25 and April 8, 2022 for information concerning any USTs or

ASTs on the Site or within Phase One Study Area. It was noted that the TSSA Fuel Safety Division did not maintain these records prior to 1990.

Facilities and Business Services responded via e-mail stating that there were no records on file for the Site. A copy of the email response from the TSSA is provided in **Appendix C**.

(ix) Brownfields Environmental Registry

Brownfields are former industrial or commercial properties, which are vacant or underutilized, and where future use is affected by real or perceived environmental contamination. The Brownfield Environmental Site Registry allows public access to information contained in RSCs that have been filed with the MECP since October 1, 2004. In order to file an RSC, the property must be assessed in accordance with O.Reg.153/04 and shown to meet either the applicable generic Site Condition Standards or Property Specific Standards developed in a risk assessment.

MTE searched the Brownfield Environmental Site Registry for RSCs filed within 250 m of the Site. No RSCs were on file for the Site or properties located within the Phase One Study Area.

(x) Areas of Natural Significance

Official Plan of the City of Guelph

The Official Plan is a public document which is focused on sustainability and establishes policies that have a positive effect on Guelph's social, economic, cultural and natural environment.

MTE reviewed the City of Guelph Official Plan (February 2022 Consolidation). Information pertaining to the Phase One Property and Phase One Study Area is as follows:

- The Site is located within a Greenfield Area (Schedule 1);
- The Site is located within the Guelph Innovation District (GID) land use designation (Schedule 2);
- The eastern and northern portions of the Site are located within the Significant Natural Areas & Natural Areas land use designation (Schedule 2);
- The eastern and northern portions of the Site are located within a Natural Heritage System (Schedules 3 and 4);
- The eastern portion of the Site is located within the Significant Woodlands (Schedule 4C);
- The eastern and northern portions of the Site are located within Cultural Woodlands (Schedule 4C);
- Site is located within Other Valleylands (Schedule 4D); and
- The Site is located within Wellhead Protection Area B (Schedule 7).

MTE also reviewed the Official Plan Amendment (Number 54): Guelph Innovation District Secondary Plan. Information pertaining to the Phase One Property and Phase One Study Area is as follows:

- The Site is located within Residential, Mixed-Use Corridor, Employment Mixed-Use 1 and 2, and Significant Natural Areas and Natural Areas land use designations (Schedule B); and
- The Site is located within a Natural Heritage System and a Non-Listed Cultural Heritage Resource (Frost Centre Building) (Appendix A).

MTE notes that portions of the Phase One Property may be considered “Environmentally Sensitive Areas” since lands are located on and/or within 30 m of an “Area of Natural Significance”, as identified on the City of Guelph Official Plan.

Ministry of Natural Resources and Forestry Online Mapping

A review of Ontario MNRF online mapping was completed by MTE. The following pertinent information is noted:

- There are no Life Science Areas of Natural Heritage & Scientific Interest (ANSIs) or Earth Science ANSIs on or within 30 m of the Phase One Property;
- There are no Provincially Significant Wetlands (PSWs) on or within 30 m of the Phase One Property; and
- A total of 38 species were identified within the Phase One Study Area as extirpated, threatened, endangered or of special concern. A copy of the Natural Heritage Information Centre (NHIC) list of species at risk is provided in **Appendix C**.
- Natural Resources Solutions Inc. (NRSI) has been retained by the Fusion to evaluate natural heritage features and will prepare a report documenting their findings.

Review of Areas of Natural Significance

A review of potential “Areas of Natural Significance” and lands which are contiguous to, or within 30 m of, the Phase One Property boundary is provided below:

Does the Site or do lands within 30 m of the Phase One Property include:	Yes	No
An area reserved or set apart as a provincial park or conservation reserve under the <i>Provincial Parks and Conservation Reserves Act, 2006</i> .		X
An area of natural and scientific interest (ANSI) (life science or earth science) identified by the Ministry of Natural Resources as having provincial significance.		X
A wetland identified by the MNRF as having provincial significance.		X
An area designated by a municipality in its official plan as environmentally significant, however expressed, including designations of areas as environmentally sensitive, as being of environmental concern and as being provincially significant.	X	
An area designated as an escarpment natural area or an escarpment protection area by the Niagara Escarpment Plan under the <i>Niagara Escarpment Planning and Development Act</i> .		X
An area identified by the MNRF as significant habitat of a threatened or endangered species.		X
An area which is habitat of a species that is classified under section 7 of the <i>Endangered Species Act, 2007</i> as a threatened or endangered species.	X	
Property within an area designated as a natural core area or natural linkage area within the area to which the Oak Ridges Moraine Conservation Plan under the <i>Oak Ridges Moraine Conservation Act, 2001</i> applies.		X
An area set apart as a wilderness area under the <i>Wilderness Areas Act</i> .		X

Based on the table above, portions of the Phase One Property are considered to be “Environmentally Sensitive Areas” since lands are located on and/or within 30 m of an “Area of Natural Significance” as defined in Ontario Regulation 153/04 (as amended).

For additional and updated information in regards to Areas of Natural Significance, refer to the on-going Environmental Impact Study (EIS) being completed for the Site by NRSI.

(xi) Landfills

A review of the “Waste Disposal Site Inventory” (MECP, June 1991) indicated that there are no active or closed landfills listed on the Site or within the Phase One Study Area. The nearest closed landfill is MOE No. X8099, located approximately 1,000 m south of the Site.

Based on the distance from the Site and location with respect to the shallow groundwater flow direction, the former landfill is not considered a potential environmental concern to the Site.

(c) Physical Setting Sources

(i) Aerial Photographs

Aerial photographs for the Phase One Property and Study Area were reviewed for the period 1930 to 2021 in approximate 10 to 20 year intervals (where available at a reasonable scale). Aerial photographs were available through the National Air Photo Library (NAPL). Due to the scale, coverage and image quality of photographs, observations were limited and, therefore, the review describes general development (construction or demolition) of the Site and adjacent properties. Copies of select aerial photographs are provided in **Appendix D**.

Date	Aerial Photograph Description
1930	<p><u>Site</u>: The Site appears to be developed as cultivated agricultural fields with three potential residential buildings (Buildings A, B, and C as shown on Figure 2). Roadways are visible on the eastern portion of the Site in a similar location as present day.</p> <p><u>Surrounding Lands</u>: The surrounding lands appear to be used predominately for agricultural purposes. The adjacent properties to the east and south appear to be cultivated agricultural fields, with homesteads on each property. Residential neighborhoods can be seen southwest of the Site along York Road. Adjacent north of the Site appears to be a railway line followed by the Eramosa River. Disturbed land can be seen in the location of the industrial building north of the Site. Adjacent west of the Site is the Eramosa River followed by woodlot areas.</p>
1964	<p><u>Site</u>: Multiple structures and a parking lot have been developed on the east portion of the Site connected to Stone Road East by two driveways (Detention Centre). Three additional structures have been built in the central and north portions of the Site (Buildings D, E, and F as shown on Figure 2). The Site remains predominantly used for agricultural purposes.</p> <p><u>Surrounding Lands</u>: Disturbed land consistent with a construction work yard can be seen east of the Site. The residential neighborhoods southwest of the Site continue to be further developed. A golf course is present south of the Site.</p>
1972	<p><u>Site</u>: Building F appears to have been removed, otherwise the Site appears relatively unchanged from the 1964 aerial photograph.</p> <p><u>Surrounding Lands</u>: The property south of the Site appears to have been developed with multiple structures and roadways. New buildings appear to have been constructed within the industrial property north of the Site. The disturbed land east of the Site on Stone Road East has grown in size. The City of Guelph continues to expand with commercial and residential developments south, southwest, and west of the Site.</p>
1981	<p><u>Site</u>: Buildings A, C, D, and E appear to have been removed, otherwise, the Site appears to be relatively unchanged from the 1972 aerial photograph.</p> <p><u>Phase One Study Area</u>: The property south of the Site appears to have been developed with multiple new roadways.</p>

Date	Aerial Photograph Description
1990	<p><u>Site:</u> Building B appears to have been removed. A new building has been constructed within the east-central portion of the Site (potentially the present-day Maintenance Workshop building). More access roads have been constructed across the Site.</p> <p><u>Phase One Study Area:</u> New buildings appear to have been constructed within the industrial property north of the Site. Baseball fields have been constructed west of the Site.</p>
2010	<p><u>Site:</u> The Site appears to have been developed to the present-day configuration with three structures in the central portion of the Site, a large pond/lagoon, multiple driveways/access road, and parking lots. All the buildings on the former Detention Centre are no longer visible.</p> <p><u>Phase One Study Area:</u> New buildings appear to have been constructed within the industrial property north of the Site. The property south of the Site has been further developed with additional structures and roadways. Residential buildings have been constructed southeast of the Site.</p>
2021	<p><u>Site:</u> The Site appears to be relatively unchanged from the 2010 aerial photograph.</p> <p><u>Phase One Study Area:</u> More residential buildings have been constructed southeast of the Site. The baseball fields west of the Site appear to have been removed.</p>

MTE identified the three potential residential dwellings (Buildings A, B, and C) noted above in the aerials as PCAs. Due to their age, there is the potential they were heated with heating oil and a fuel tank was present. MTE also identified the Buildings A to F, noted above in the aerial photograph description, as PCAs as no records of the demolitions (fate of the building materials) or records of backfill materials were provided to MTE.

(ii) Topography, Hydrology, Geology

The following is a summary of the Sites topographic, geologic and hydrogeologic setting based on a records review.

Setting	Description
UTM Coordinates	563,645 m east and 4,821,898 m north (zone 17T)
Topography	<p>A topographic map obtained from the MNRF's on-line mapping was reviewed for information relating to the Site and surrounding properties within the Study Area (note that the date of the imagery is not specified). The Site appeared to be developed with a building, workshop, and lagoon located in the west central portion of the property. The Site is bounded to the west by a River, to the north by a railway, to the east by Stone Road East and to the south by Victoria Road South. The ground surface elevation within the Study Area ranged from 310 to 347 metres above mean sea level (mamsl) and sloped radially from the central portion of the Site.</p> <p>MTE observed unidentified landforms in the northwest portion of the Site and in the southwest portion of the Site, which could have been the location of former dumping areas. As such, MTE identified these unidentified landforms as PCAs.</p>

Setting	Description
Geology (<i>Chapman and Putnam, 1984</i>)	The Site is located within the broad physiographic region known as the Guelph Drumlin Field, which occupies approximately 829 km ² , including parts of the Regional Municipalities of Waterloo and Halton and parts of the City of Hamilton and Wellington County. The dominant soil materials include the stony till of the drumlins and deep gravel terraces in the intervening areas. The area is underlain by dolostone of the Guelph and Amabel Formations, which dip gently toward the southeast.
Bedrock (<i>Ministry of Northern Development and Mines, 1991</i>)	Middle and Lower Silurian formations of sandstone, shale, dolostone and siltstone
Approximate Depth to Bedrock	Visible bedrock outcrops were observed within the conservation lands. The bedrock was historically encountered in boreholes at depths in the range of 1.4 to 11.1 mbgs.
Inferred Shallow Groundwater Flow Direction	Based on water level data collected by MTE from the Phase One Property, groundwater flow generally mimics topography flowing radially from two groundwater mounds at the Site. The first groundwater mound is located within the northwest portion of the Site, in proximity to MW9-17 and the pond/lagoon. Groundwater flows from this mound towards the Eramosa River to the north and west, and towards Victoria road to the south. The second groundwater mound is located within the southeast portion of the property, in proximity to MW514-22 in the former agroforestry lands. Groundwater from this mound generally flows towards the Eramosa River to the north, towards Stone Road/Torrence Creek to the east, and towards Victoria Road to the south.
Approximate Depth to Groundwater	The shallow groundwater table was historically encountered between approximately 1 and 12 mbgs.

For additional and updated information in regards to the topographic, geologic and hydrogeologic setting of the Phase One Property, refer to the ongoing geotechnical and hydrogeological investigations being completed for the Site by MTE.

(iii) Fill Materials

Based on a review of previous environmental reports, Site personnel reported large quantities of fill material were imported to construct the Guelph Turfgrass Institute and Environmental Research Centre (the location of which is shown on **Figure 2**). In their 2017 Phase Two ESA report, GHD noted a silty sand fill layer between 0.1 and 1.2 mbgs in several boreholes completed in this area in 2017. As well, GHD noted a silty sand fill layer between 0.18 and 2.07 mbgs at boreholes completed adjacent to the lagoon/pond within the ETRA and adjacent to the maintenance workshop.

In their 2007 Phase II ESA report, Franz noted a layer of fill material was encountered within the Detention Centre compound area comprising of sand and gravel mixed with some cobbles and/or gravel to depths of 4.5 mbgs. MTE noted a sand and gravel fill material with asphalt or brick fragments to a maximum depth of 2.13 mbgs at borehole MW202-10.

MTE identified the presence of fill material of unknown quality as a PCA.

(iv) Water Bodies and Areas of Natural Significance

The Eramosa River located within 30 m of the western extents of the Phase One Property.

The Phase One Property is not located on or within 30 m of an Areas of Natural Significance; however, an Earth Science Provincially Significant Areas of Natural Significance was identified in the MNRF records approximately 200 m north of the Site, north of the Eramosa River, within the Phase One Study Area. The Study Area also includes multiple wetlands, woodland areas, GRCA regulated areas, and GRCA regulated watercourses.

For additional and updated information in regards to Areas of Natural Significance, refer to the on-going EIS being completed for the Site by NRSI.

(v) Well Information

The MECP provides a web-based well record inventory available to the public. Well records are searchable by number, location and through the use of an interactive map.

Based on a review of the MECP online well records database, MTE identified 28 well records for the Phase One Property, which included six abandonment records. Two of the abandonment records were for supply wells (6711140 and 6711141) installed in the Turfgrass Lands in 1992 that were intended to be used as part of the heating and cooling system for Frost Building. Reportedly, the two wells were found to be dry and were immediately decommissioned due to insufficient water supply. MTE prepared a Well Inventory and Condition Memo, dated October 12, 2022 which summarized the conditions of the wells on the Phase One Property.

(vi) Grand River Conservation Authority (GRCA)

MTE reviewed the Grand River Conservation Authority (GRCA) on-line mapping resource, for information regarding natural resources in the Phase One Study Area. The following pertinent information was noted:

- The Phase One Property is located within a GRCA regulation limit and regulated floodplain.
- The Phase One Property is located within a GRCA slope erosion and slope valley area.
- The Phase One Study Area is not located within an aggregate site.
- The Phase One Property is not located within an ANSI, however, an ANSI is located approximately 200 m to the north, north of the Eramosa River, within the Phase One Study Area.
- The Phase One Property is located within a Medium Intrinsic Vulnerability area.
- There are no Municipal Wells within the Phase One Study Area. The closest Municipal Well is located approximately 800 m east of the Phase One Property.
- The Phase One Study Area is located within a Wellhead Protection Area (WHPA-B).
- There are no Provincially Significant Wetlands on or within 30 m of the Phase One Property.
- The nearest waterbody is Eramosa River located west-adjacent to the Site and between 60 and 200 m north of the Site.
- A railway is located north-adjacent to the Phase One Property.

5.0 Interviews

An interview questionnaire was completed by Mr. Remo Pallottini, Director, Research Facilities Management, and infrastructural coordinator of the Site. Mr. Pallottini has been familiar with the Site for approximately 20 years. The following is a summary of the information provided to MTE by Mr. Pallottini:

- The Phase One Property is currently owned by Fusion Homes. The Agricultural Research Institute of Ontario (ARIO) previously owned the property. Previous tenants include the University of Guelph, Sports Turf Associated, and Ontario Golf Superintendents Association.
- One large building, historically referred as the Frost Centre, located in the northwest portion of the Site was constructed in the mid-1990s with a concrete pad, concrete block, and wood frame. A pre-fabricated workshop/equipment maintenance building, located approximately 70 m east of the Frost Centre, was constructed/installed in the mid-1990s. A pump house located approximately 20 m north of the workshop, was constructed in the mid-1990s with a wood frame. No other building/structure are currently present on the Site.
- The Frost Centre Building is currently heated with a forced air, natural gas heating system. It was formerly heated through the use of a geothermal heating system (decommissioned approximately 5 years ago) operated on an open loop that consisted of groundwater being pumped to heat exchangers and then discharged to the aquifer/irrigation ponds. The workshop uses a natural gas fired radiant heater to heat the building. The Frost Building uses a direct extension air conditioning system to cool the building.
- Minor leaks in the Frost Building asphalt shingle roof were identified and repaired. There are no sump pumps in any of the buildings as none of the buildings have basements. There is no known mould/water damage and there are no concerns with indoor air quality.
- There is no asbestos in the Site buildings.
- There is an electrical transformer located outside of the Frost Building. There are no back-up generators or emergency power systems at the Site.
- The water supply for the Site is from a private well located near the Frost Building. The well operates under O. Reg. 170. Regular testing has been performed on the well and no issues were ever reported; however, this data was not made available to MTE. There is a water treatment system currently operating at the Frost Building consisting of water softening and ultraviolet (UV) treatment.
- The sewage for the Frost Centre is managed by use of a septic system that is connected to a septic bed located south of the building. There is no pre-treatment of wastewater performed at the Site.
- There are no stormwater management (SWM) ponds or catch basins operating at the Site. No drainage issues have been identified.
- There are no rail lines or spurs on the Site, however, a rail line corridor is located immediately north of the Phase One Property limits.
- Previous agricultural activities have been completed on the Site, including agricultural cropping, agroforestry and standard crop rotation sold for human consumption. Standard fertilizers and pesticides applied to crops.

- General maintenance was performed within the workshop building on agricultural equipment (lawn mowers, etc.). Small quantities of waste oils were generated during maintenance of equipment and disposed of according to provincial guidelines. No hydraulic lift equipment is currently operating at the Site. There is a floor drain within the workshop.
- Calcium products may have been used to control dust on gravel laneways. **MTE identified the use of dust control products on Site laneways as a PCA.**
- De-icing chemicals (salt) were store at the Site and used on walkways. **MTE identified the potential use of de-icing salt on Site walkways/laneways as a PCA.**
- One double walled, diesel AST and one double walled, gasoline AST (ASTs A&B) were historically present adjacent to the workshop and were connected to fuel pumps/fueling systems.
- One UST was connected to the laboratory in the Frost Building for chemical waste and was rarely used. The UST was removed approximately 3 years ago. A UST operating at the Site used as a fire reservoir is located north of the Frost Building. Since this UST was report only used as a fire water reserved, MTE did not identify it as a PCA.
- Minor storage of fuel/oil/lubricants took place in the workshop for general day to day operations. This also included small quantities of chemicals and solvents. There are waste oils generated and stored on the Site. The operations are HWIN registered. No spills have occurred at the Site.
- Solid waste generated at the Site was removed by a third-party contractor. Documentation of any off-Site waste disposal was not provided to MTE.
- Soil was imported to the Site to construct the turf grass research area. Located south of the workshop and Frost Building.

The information gathered from Mr. Pallottini is considered to be accurate and was generally consistent with the findings of the historical records review. Copies of the interview questionnaires are included in **Appendix E**.

6.0 Site Reconnaissance

(a) General Requirements

The Phase One Property was inspected on April 12, 2022 from approximately 12:30 p.m. to 2:30 p.m. by Mr. Dylan Cave B.Sc., P.Geo of MTE Consultants. The weather was overcast and the temperature was approximately -5°C. MTE was accompanied by Mr. Ben Jones for this inspection.

The Inspection Reports are included in **Appendix E**. Photographs were taken of the Site and Phase One Study Area at the time of the inspections and are included in **Appendix F**.

Limitations - MTE did not access the rooftop of the building at the Site. As well, not all areas of the Phase One Property were accessible due to steep slopes and dense vegetation.

(b) Specific Observations at Phase One Property

The Site is developed with three buildings (Frost Centre, workshop, pump house) and a lagoon located within the northwest portion of the Site. The buildings area surrounded by agriculture land, vegetative landscape and gravel and asphalt paved surfaces. A gravel parking lot is located northeast of the Frost Building. A rail line corridor is located north adjacent to the Site. Refer to **Figure 2** for the Site Layout & Features.

General Description of Structures (Including Below-ground Structures) and Other Improvements

The Site is developed with three, slab-on-grade single-storey buildings located in the central portion of the Site. The buildings include:

- Frost Centre (Research) Building constructed of vinyl siding, shingled roof, concrete and drywall walls, carpet and tiled floors.
- Workshop/Maintenance Building constructed of metal framed walls, concrete floor, catch basin located on floor.
- Pump (House) Building constructed of metal walls, concrete floor.

Above and Underground Storage Tanks

No AST or UST were observed at the Site. No evidence of fuel pumps, fueling systems, jerry cans, drums or totes containing fuel were observed at the Site.

Chemical Storage

No evidence of chemicals, solvents, unidentified substances or hazardous materials being stored at the Site.

Utilities and Water Sources

The Site is serviced with potable water from a private well located north of the Frost Building, sewage on the Site is managed through a septic system located to the south. An electrical transformer is located northeast of the Frost Building. Electricity, telecommunication and natural gas services are provided through an underground connection.

Interior Observations

Exit and Entry Points – Access to the Site is provided by a gravel driveway along the south side of the property connected to Victoria Road South or along the east side of the property connected to Stone Road East.

Details of Existing and Former Heating/Cooling Systems – The Site buildings are currently heated by a natural gas powered heating system. The Research Building is cooled by an air conditioning unit.

Drains, Pits, and Sumps – A pit/catch basin was observed on the floor of the Maintenance Building. The discharge point is unknown.

Staining and Corrosion – No staining or corrosion was observed.

Exterior Observations

Wells – A potable water supply well was observed north of the Frost Building. Monitoring wells were observed throughout the property.

Sewage Works – A septic bed was observed south of the Frost Building.

Surface Cover – Surface cover at the Site generally comprises of vegetated/agricultural land. Gravel driveways/access roads are located throughout the Site. A gravel parking lot is present northeast of the Frost Building.

Areas of Stained Soil, Vegetation, Pavement, and Stressed Vegetation – No areas of stained soil, vegetation, pavement and/or stressed vegetation were observed during the Site reconnaissance.

Current or Former Railway Lines or Spurs – No evidence of current or former rail spurs were observed at the Site during the Site reconnaissance. A railway line was observed on the adjacent property to the north.

Fill and Debris Material – No evidence of fill/debris material was observed at the Site during the Site reconnaissance.

Details of Unidentified Substances – No unidentified substances were observed throughout the Phase One Property at the time of the Site reconnaissance.

Special Attention Items

No mould was observed during MTE's inspection; however, mould may be hidden within concealed cavities such as floors, walls, ceilings or bulkheads due to the moisture intrusion. Any areas where mould is identified can be removed in accordance with the 2010 Environmental Abatement Council of Ontario (EACO) "Mould Abatement Guidelines".

Due to the age of construction (mid-1990s) of the Site buildings, it is unlikely that asbestos containing materials (ACM), lead based paints, or mercury containing light switches are present. Mercury, lead and asbestos are defined as designated substances under the Ontario Occupational Health and Safety Act (OHSA) and each have specific environmental legislation regarding their handling, use and management.

Furthermore, it is unlikely that the light ballasts, capacitors and switches in the building contain PCBs.

Surrounding Properties within the Phase One Study Area

The following is a summary of properties adjacent to the Site:

Direction	Description
North	A railway corridor is located immediately to the north followed by undeveloped (Conservation Lands) and the Eramosa River. Further to the north is an industrial property currently operating as a meat processing plant.
East	Stone Road East is located immediately to the east followed an industrial property operating as an excavation and trucking company and limited residential properties.
South	Victoria Road South is located immediately to the south followed an institutional property operated by the University of Guelph known as the Arboretum. A golf course and disk golf course are also operated on this property.

Direction	Description
West	Eramosa River is located immediately to the east followed industrial property operating as a chemical processing facility, a railway corridor, and undeveloped land.

(i) Enhanced Investigation Property

Under O. Reg. 153/04, a property is considered an Enhanced Investigation Property (EIP) if the property is used, or has been used, in whole or in part for an industrial use or for a garage, bulk liquid dispensing facility including a gasoline outlet or dry-cleaning operation. The Site has been utilized for residential, agricultural, detention centre, and University of Guelph research purposes; therefore, the Site is not considered an EIP.

(c) Written Description of Investigation

The investigation completed by MTE is summarized as follows:

- MTE performed the Phase One ESA investigation according to the scope of work provided in Section 3. There were no deviations from the scope of work;
- MTE corresponded in writing with the MECP, City of Guelph and the TSSA;
- MTE consulted published records and databases and obtained an ERIS report;
- MTE interviewed persons knowledgeable about the Phase One Property;
- MTE conducted site reconnaissance to observe the Phase One Property;
- MTE reviewed previous environmental reports pertaining to the Phase One Property;
- MTE observed neighbouring properties and other properties within the Study Area as they could be viewed from the Phase One Property or publicly accessible areas; and
- MTE has determined that there are PCAs in the Study Area and on the Phase One Property, which are described in Section 7(ii) of this report.

7.0 Review and Evaluation of Information

(i) Current and Past Uses

The Current and Past Uses of the Phase One Property are summarized in the table included in **Appendix H**.

(ii) Potentially Contaminating Activity

Based on the information obtained and reviewed as part of this Phase One ESA, current and historical PCAs associated with the Site and surrounding properties were identified. The on-Site PCA locations are illustrated on **Figure 3** and the off-Site PCA locations are illustrated on **Figure 4**. A list of PCAs prescribed in Ontario Regulation 153/04 is provided in **Appendix G**.

The PCAs which were identified on, adjacent to, or upgradient of the Phase One ESA Property and were considered to result in the development of an APEC on the Site are summarized in **Table 2**.

(iii) Areas of Potential Environmental Concern

APECs on the Phase One Property were determined based on the PCAs that were identified on the Site, a review of PCAs in the Study Area, and an assessment of the potential for the PCAs in the Study Area to impact the Phase One Property.

The PCAs identified on the Phase One Property were considered to result in an APEC. The PCAs in the Phase One Study Area were assessed based on details of the PCA, Site reconnaissance observations, the distance and location with respect to the Phase One Property and the inferred groundwater flow direction. One off-Site PCS was considered to result in an APEC.

The APECs on the Phase One Property are shown on **Figure 6** and summarized in the APEC Table in **Appendix I**. Refer to the APEC Table in **Appendix I** for a list of the Contaminants of Potential Concern (COPCs) associated with each APEC and media.

No historical or current bulk storage of salt or municipal snow dumps were identified on the Site or adjacent properties. Therefore, in accordance with Section 49.1 of O. Reg. 153/04 (as amended by O. Reg. 407/19), any potential salt-related contaminants would be attributed to application of a substance to surfaces for the safety of vehicular or pedestrian traffic under conditions of snow or ice or both. Accordingly, no sampling is required to assess this APEC.

(iv) Phase One Conceptual Site Model

A Phase One Conceptual Site Model (CSM) was prepared in accordance with Schedule D, Part V of O. Reg. 153/04 (as amended). The CSM includes **Figures 1 to 6** and is appended to this report (**Appendix J**).

8.0 Conclusions

(i) Phase Two Environmental Site Assessment Requirement

The Phase One Property is not classified as an Enhanced Investigation Property (EIP) according to O. Reg. 153/04 (as amended).

The results of the Phase One ESA identified several APECs on the Phase One Property. As a result, a Phase Two ESA is recommended and required prior to filing an RSC.

(ii) RSC Based on Phase One Environmental Site Assessment

An RSC cannot be filed on the basis of this Phase One ESA.

The Phase One Property deed(s), and a letter confirming the legal description of the Site prepared by a lawyer would be required prior to filing an RSC.

(iii) Other Considerations / Recommendations

Based on the results of the Phase One ESA, MTE also recommends the following actions:

- Tracing the sewer associated with the catch basin located in the Maintenance Workshop to identify its outfall and assessment of this area for potential evidence of impacts (i.e., PHCs, BTEX).
- Resample the contents of the catch basin to assess the environmental quality and remove / dispose of any residual wastes in accordance with regulatory requirements.
- The groundwater monitoring / supply wells located on Site are the responsibility of the property owner. The wells must be maintained or decommissioned by a licensed well technician in accordance with Ontario's Wells Regulation (RRO, 1990, Regulation 903).
- Prior to the demolition of any above ground buildings/structures on the Phase One Property, a designated substance audit (DSA) should be performed to assess for hazardous building materials.

(iv) Signatures

Services performed by **MTE Consultants Inc.** (MTE) were conducted in a manner consistent with the level of care and skill ordinarily exercised by members of the Environmental Engineering & Consulting profession. No other warranty or representation expressed or implied as to the accuracy of the information, conclusions or recommendations is included or intended in this report.

This report was completed for the sole use of MTE and the client. Our findings and conclusions are presented in Sections 7 and 8 above. It was completed in accordance with the Scope of Work referred to in Section 3 and the requirements of Ontario Regulation 153/04 (as amended). As such, this report may not deal with all issues potentially applicable to the site and may omit issues, which are or may be of interest to the reader. MTE makes no representation that the present report has dealt with any and all of the important features, including any or all important environmental features, except as provided in the Scope of Work. All findings and conclusions presented in this report are based on site conditions, as they existed during the time period of the investigation. In addition, MTE has relied on information provided by the persons interviewed as part of this study (identified herein) as being accurate and representative. This report is not intended to be exhaustive in scope or to imply a risk-free facility.

Any use which a third party makes of this report, or any reliance on, or decisions to be made based upon it, are the responsibility of such third parties. MTE accepts no responsibility for liabilities incurred by or damages, if any, suffered by any third party as a result of decisions made or actions taken, based upon this report. Others with interest in the site should undertake their own investigations and studies to determine how or if the condition affects them or their plans.

It should be recognized that the passage of time may affect the views, conclusions and recommendations (if any) provided in this report because environmental conditions of a property can change. Should additional or new information become available, MTE recommends that it be brought to our attention in order that we may re-assess the contents of this report.

Respectfully Submitted,

MTE Consultants Inc.

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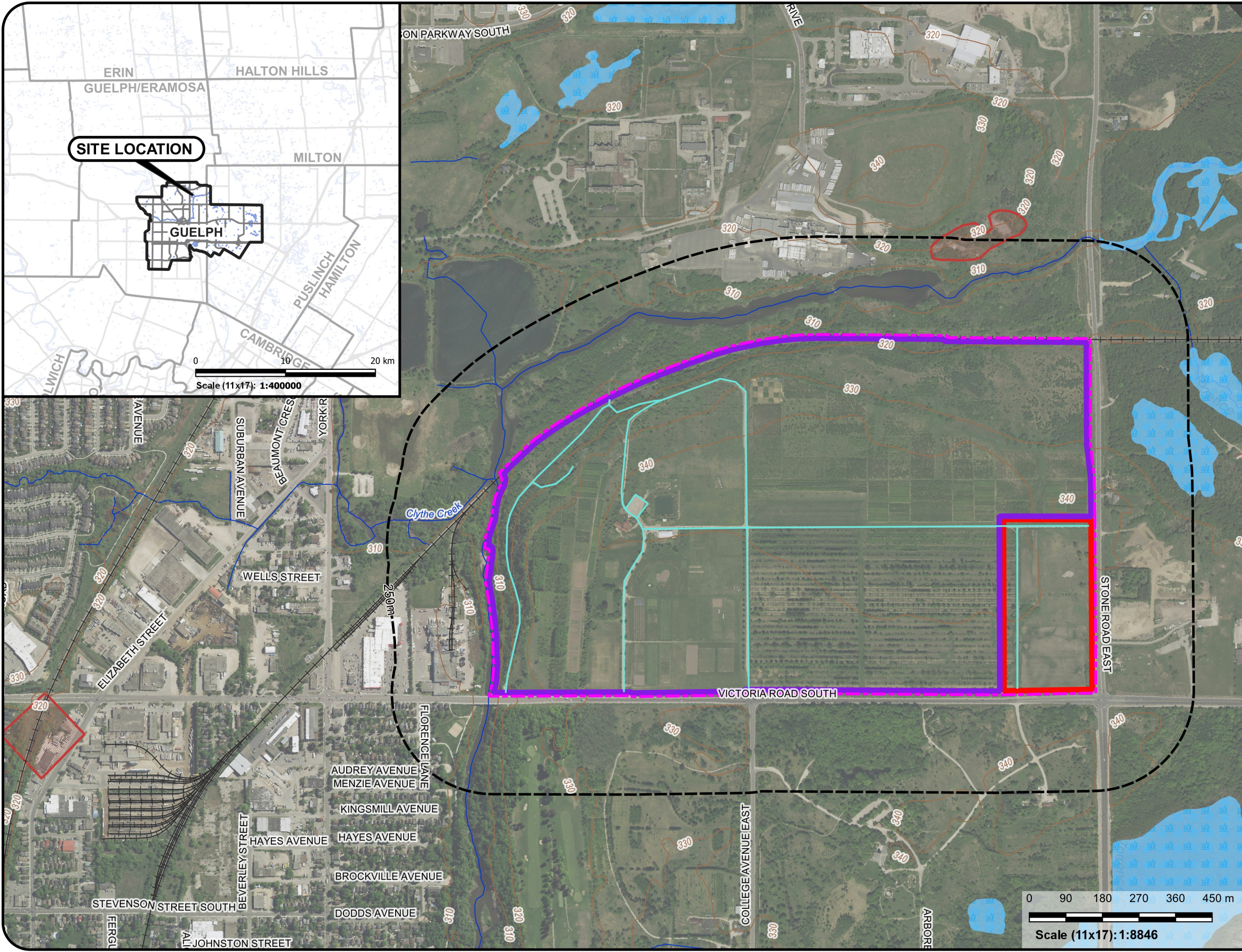
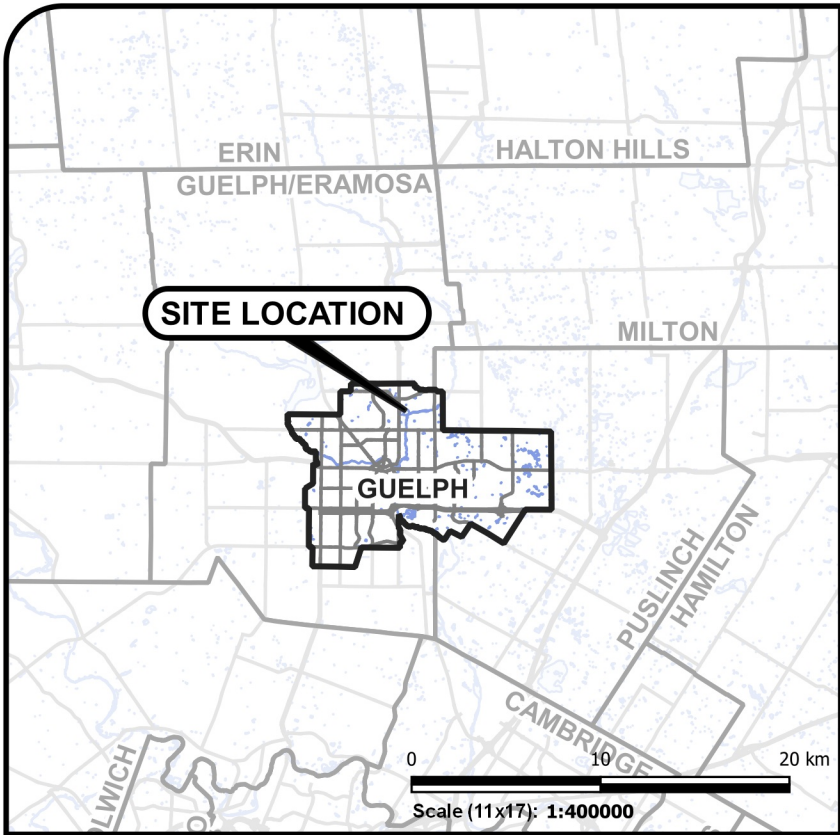
9.0 References

The following list of references and sources were reviewed for the purposes of preparing the report:

Applicable Section	Reference / Source	Date
<u>4.(a)(iii)</u>	OPTA Information Intelligence Report ID 105704	March 4, 2022 (date of report)
<u>4.(a)(v)</u>	ERIS Report Number 20160926026	September 30, 2016 (date of report)
<u>4.(a)(v)</u>	Phase I Environmental Site Assessment, Guelph Turfgrass Institute & Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by URS Canada Inc.	May 10, 2006 (date of report)
<u>4.(a)(v)</u>	Phase II Environmental Site Assessment, Final Report, Guelph Turfgrass Institute, 328 Victoria Road South, Guelph, Ontario; by Franz Environmental Inc.	March 27, 2007 (date of report)
<u>4.(a)(v)</u>	Phase One Environmental Site Assessment, Guelph Turfgrass Institute and Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by GHD Limited	February 6, 2017 (date of report)
<u>4.(a)(v)</u>	Phase Two Environmental Site Assessment, Guelph Turfgrass Institute and Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by GHD Limited	November 24, 2017 (date of report)
<u>4.(a)(v)</u>	Supplemental Soil Sampling and Analysis Program, Guelph Innovation District (GID) Lands, Guelph, Ontario; by MTE Consultants Inc.	July 16, 2020 (date of report)
<u>4.(a)(v)</u>	Summary of Environmental Conditions, Guelph Turfgrass Institute and Environmental Research Centre, 328 Victoria Road South, Guelph, Ontario; by GHD Limited	February 12, 2021 (date of report)
<u>4.(a)(v)</u>	Phase I Environmental Site Assessment, Former Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by Sendex Environmental Corporation	December 30, 2005 (date of report)
<u>4.(a)(v)</u>	Phase I Environmental Site Assessment, Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by URS Canada Inc.	May 12, 2006 (date of report)
<u>4.(a)(v)</u>	Phase II Environmental Site Assessment, Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by Franz Environmental Inc.	March 26, 2007 (date of report)
<u>4.(a)(v)</u>	Final Soil and Groundwater Delineation, 588 Stone Road East, Guelph, Ontario; by MTE Consultants Inc.	October 4, 2010 (date of report)
<u>4.(a)(v)</u>	Environmental Site Remediation, Former Wellington Detention Centre, 588 Stone Road East, Guelph, Ontario; by DST Consulting Engineers Inc.	March 2011 (date of report)
<u>4.(a)(v)</u>	Phase One Environmental Site Assessment, 588 Stone Road, Guelph, Ontario; by WESA Inc.	May 2012 (date of report)
<u>4.(a)(v)</u>	Phase Two Environmental Site Assessment, 588 Stone Road East, Guelph, Ontario; by WESA Inc.	December 2012 (date of report)
<u>4.(a)(v)</u>	Risk Assessment, 588 Stone Road East, Guelph, Ontario; by WESA Inc.	December 2012 (date of report)

Applicable Section	Reference / Source	Date
<u>4.(b)(i)</u>	Environment Canada National Pollutant Release Inventory	April 22, 2022 (date of search)
<u>4.(b)(i)</u>	Federal Contaminated Sites	April 22, 2022 (date of search)
<u>4.(b)(ii)</u>	Ontario Ministry of the Environment, "PCB Site Inventory System 2000"	July 2000
<u>4.(b)(iii)</u>	Ontario Ministry of the Environment, Certificate of Approval search (website)	March 25, 2022 (date of search)
<u>4.(b)(iv)</u>	Ontario Ministry of the Environment, "Inventory of Coal Gasification Plant Waste Sites in Ontario"	April 1987, Reprinted February 1989
<u>4.(b)(iv)</u>	MECP, Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario	November 14, 1988
<u>4.(b)(v)</u>	City of Guelph	March 22, 2022 (date of request)
<u>4.(b)(v)</u>	County of Wellington	March 17, 2022 (date of request)
<u>4.(b)(vi)</u>	Ontario Ministry of the Environment Hazardous Waste Information Network	April 21, 2022 (date of search)
<u>4.(b)(vii)</u>	Ontario Ministry of the Environment – Freedom of Information and Protection of Privacy Search	March 23, 2022 (date of request)
<u>4.(b)(viii)</u>	Technical Standards and Safety Authority – Fuel Safety Division inquiry	March 25 – April 8, 2022 (date of responses)
<u>4.(b)(ix)</u>	Ontario Ministry of the Environment, Brownfields Environmental Site Registry	March 11, 2022 (date of search)
<u>4.(b)(x)</u>	Ontario Ministry of Natural Resources (website)	April 21, 2022 (date of search)
<u>4.(b)(xi)</u>	Ontario Ministry of the Environment "Waste Disposal Site Inventory"	June 1991
<u>4.(c)(i)</u>	Aerial photographs: National Air Photo Library, University of Waterloo	1930, 1964, 1972, 1981, 1990, 2010, 2021
<u>4.(c)(ii)</u>	Ontario Ministry of Northern Development and Mines. Bedrock Geology of Ontario, Southern Sheet. Scale 1:1,000,000. Map number 2544.	1991
<u>4.(c)(ii)</u>	Ontario Ministry of Northern Development and Mines. Quaternary Geology of Ontario, Southern Sheet. Scale 1:1,000,000. Map number 2556.	1991
<u>4.(c)(ii)</u>	Bajc, A.F. and Shirota, J. Three-dimensional mapping of surficial deposits in the Regional Municipality of Waterloo, southwestern Ontario; report <i>in</i> Ontario Geological Survey, Groundwater Resources Study 3, 42p.	2007
<u>4.(c)(v)</u>	Ministry of the Environment Well Record Database (website)	April 21, 2022 (date of search)

Figures



NORTH

PROJECT NORTH

Legend

- Phase One Property Boundary
- Former Wellington Detention Center
- Former Turfgrass Lands
- 250m Study Area
- 5m Contours
- Provincially Significant Wetland
- On-Site Gravel Driveways /Access Roads
- Railroad
- Water Courses
- ANSI

Data Sources:

Project CRS: NAD83 / UTM zone 17N

MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

Site

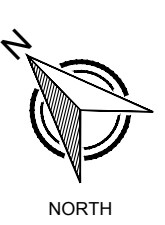
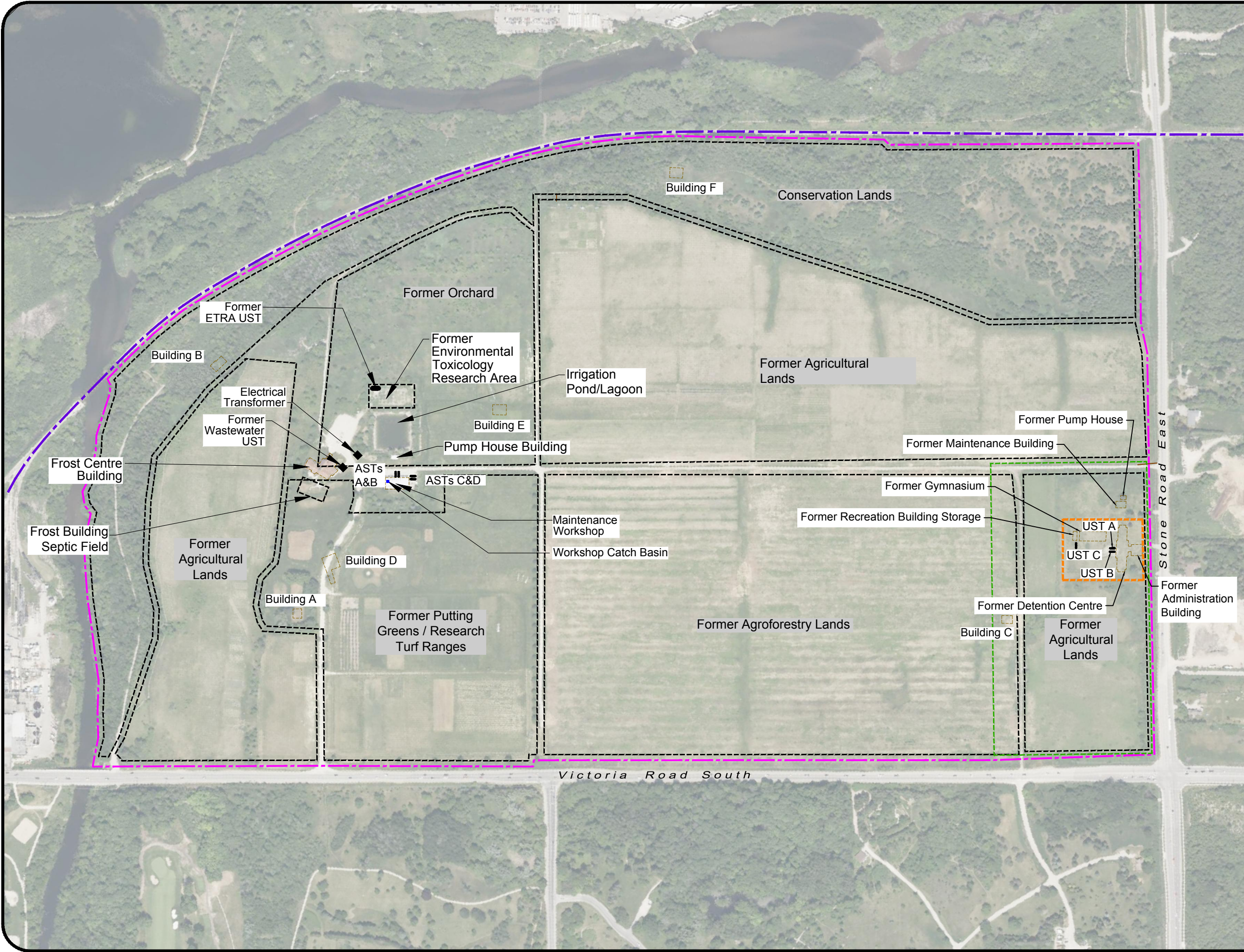
328 Victoria Road South and 588 Stone Road East, Guelph, ON

Title

Site Location Map and Study Area

Reviewed By	RMR	Project No	46927-104
Prepared By	JGH	Figure No	1
Drawn By	SAR		
Date	February 2023		

Project: 46927-104 CAD: P:\46927\104\46927-104-ESA1.DWG
February 28, 2023 — 10:20 a.m. — Plotted By: EMacIntyre

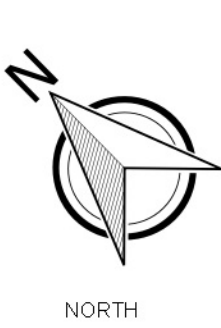
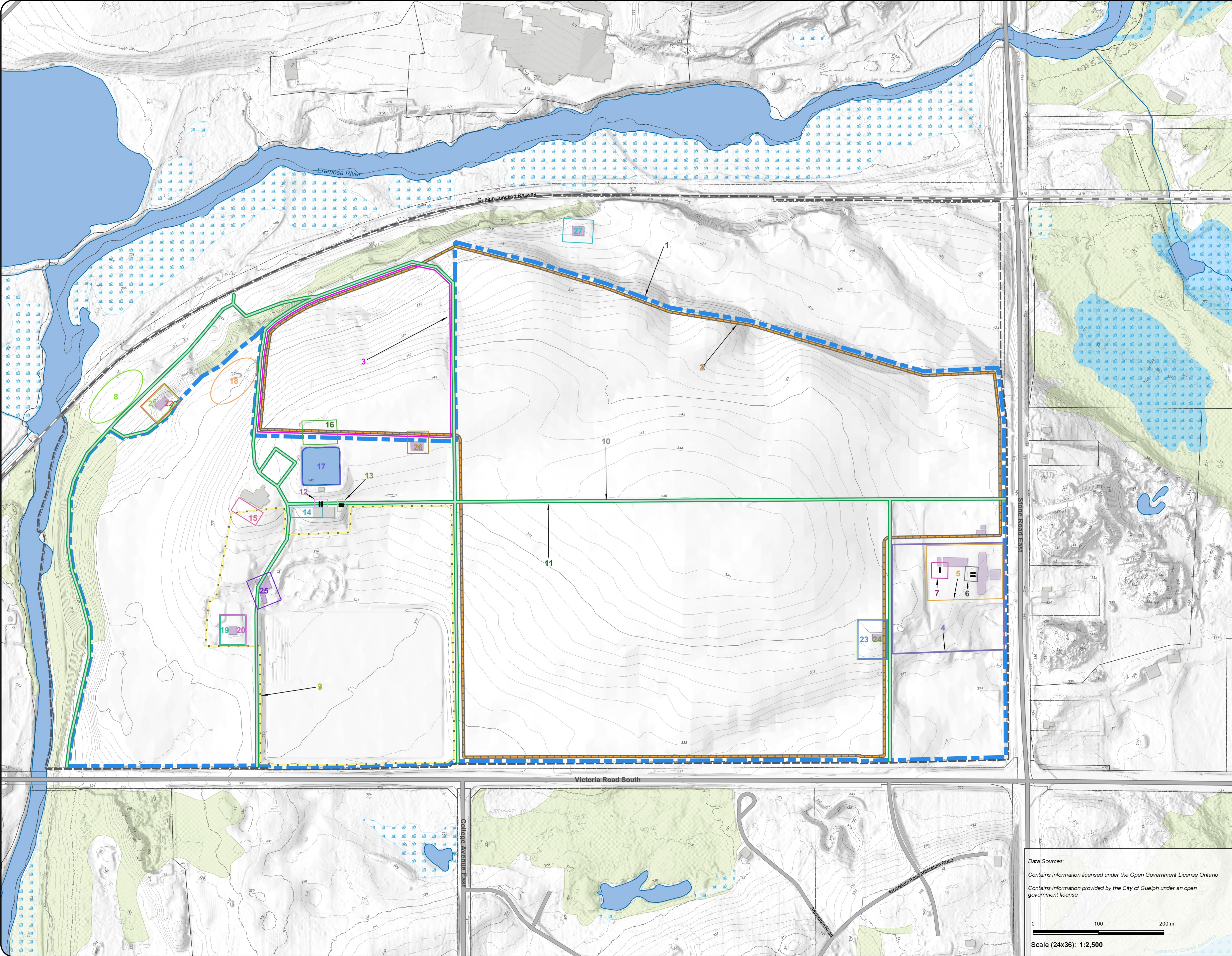


- LEGEND**
- Phase One Property Boundary
 - Approx. Delineation of Land Use
 - Approx. Location of Former Building/Structure
 - Railway Corridor
 - Former Detention Centre Lands
 - Former Detention Centre Compound Area
 - Approx. Location of Former AST/UST

0 50 100 150 200 250m
Scale(11x17): 1:5000



CLIENT	Fusion Homes		
PROJECT	Phase One ESA		
SITE	328 Victoria Road South and 588 Stone Road East, Guelph, ON		
TITLE	Site Layout and Features		
Reviewed By	RMR		
Prepared By	JGH	Project No.	46927-104
Drawn By	EMM/SAR	Figure No.	2
Date	February 2023		



Legend

- Site Data**
- Boundaries**
- Phase One Property Boundary
- On-Site PCA's**
- 1. PCA-40. Pesticide Application (Agricultural/Agroforestry/Turf Lands)
 - 2. Other Historical On-Site Groundwater Impacts (Agricultural/Agroforestry/Orchard Lands)
 - 3. PCA-40. Pesticide Application (Former Apple Orchard)
 - 4. PCA-30. Importation of Fill (Former Detention Area/Surrounding Land)
 - 5. Other Historical On-Site Groundwater Impacts (Former Detention Area)
 - 6. PCA-28. Former USTs A&B (Former Detention Area)
 - 7. PCA-28. Former UST C (Former Detention Area)
 - 8. Other Historical On-Site Soil Impacts (Northwest Corner of Site)
 - 9. PCA-30. Importation of Fill (Former Turf Lands)
 - 10. Other Application of Dust Control Products (Site Roads)
 - 11. Other Application of Road De-icing Salt (Site Roads)
 - 12. PCA-28. Former AST A&B (Workshop)
 - 13. PCA-28. Former AST C&D (Workshop)
 - 14. Other Historical Wastewater Collection/Storage/Discharge (Workshop Catch Basin)
 - 15. Other Historical Lab Wastewater Collection/Storage/Discharge (Frost Building Septic System)
 - 16. Other Historical Operation of Toxicology Research Area
 - 17. Other Historical Wastewater Collection/Storage (Irrigation Pond)
 - 18. Other Potential Dumping Area (Northwest Portion of Site)
 - 19. PCA-30. Potential Importation of Fill (Former Building A)
 - 20. PCA-28. Potential Former AST (Former Building A)
 - 21. PCA-30. Potential Importation of Fill (Former Building B)
 - 22. PCA-28. Potential Former AST (Former Building B)
 - 23. PCA-30. Potential Importation of Fill (Former Building C)
 - 24. PCA-28. Potential Former AST (Former Building C)
 - 25. PCA-30. Potential Importation of Fill (Former Building D)
 - 26. PCA-30. Potential Importation of Fill (Former Building E)
 - 27. PCA-30. Potential Importation of Fill (Former Building F)

- Base Map**
- Buildings**
- Approximate Location of Existing Building Footprint
 - Approximate Location of Former Building Footprint
- Boundaries**
- Parcel Fabric (City of Guelph)
- Transportation**
- Roads
 - Railway
- Surfacewater**
- Provincially Significant Wetland
 - Non-Provincially Significant Wetland (Evaluated)
 - Unevaluated Wetland
 - Surfacewater Body
 - Surfacewater Course
- Groundsurface**
- Groundsurface Contour (1m Interval)
- Landuse**
- Wooded Area

Project CRS: NAD83 / UTM zone 17N (EPSG:26917)

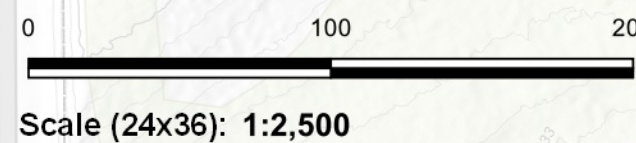


Client	Fusion Homes	
Project	Phase One ESA	
Site	328 Victoria Road S. and 588 Stone Road East, Guelph, ON	

Data Sources:

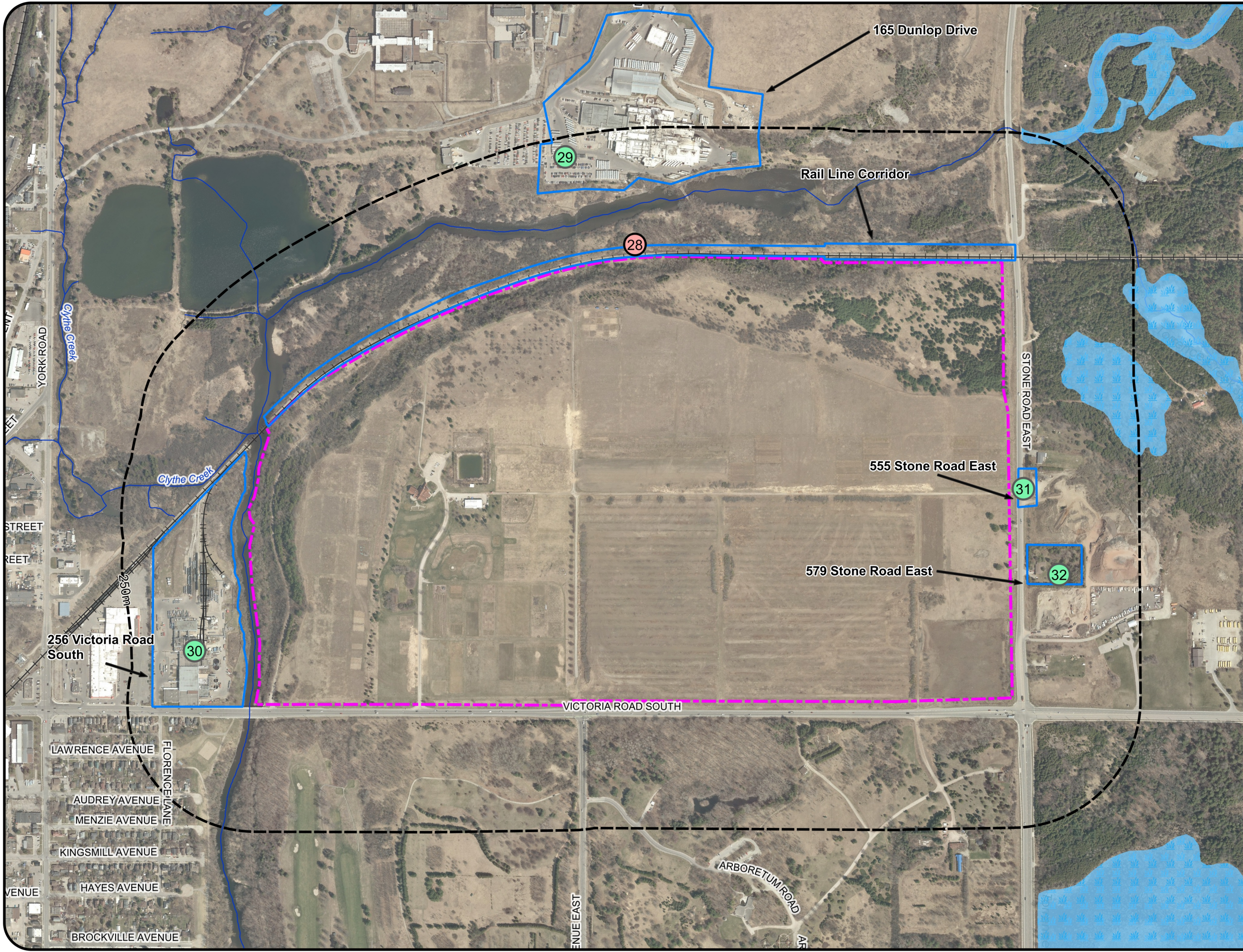
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Scale (24x36): 1:2,500

On-Site Potentially Contaminating Activities		
Reviewed By	RMR	Project No. 48927-104
Prepared By	JSH	Figure No.
Drawn By	MDE	3
Date	March 2023	













NORTH



PROJECT NORTH

Legend

-  Phase One Property Boundary
-  250m Study Area
-  Railroad
-  Water Courses
-  PCA Property Line
-  PCA ID
-  PCA Not Resulting in an APEC
-  PCA Resulting in an APEC
- 28. PCA - 46. Rail Yards, Tracks and Spurs
- 29. PCA - 28. Gasoline and Associated Products Storage in Fixed Tanks
- 30. PCA - 8. Chemical Manufacturing, Processing and Bulk Storage
- 31. PCA - Other - Diesel Spill
- 32. PCA - Other - Historical Rug and Upholstering Cleaning Business

Data Sources:


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Scale (11x17): 1:7000

Project CRS: NAD83 / UTM zone 17N

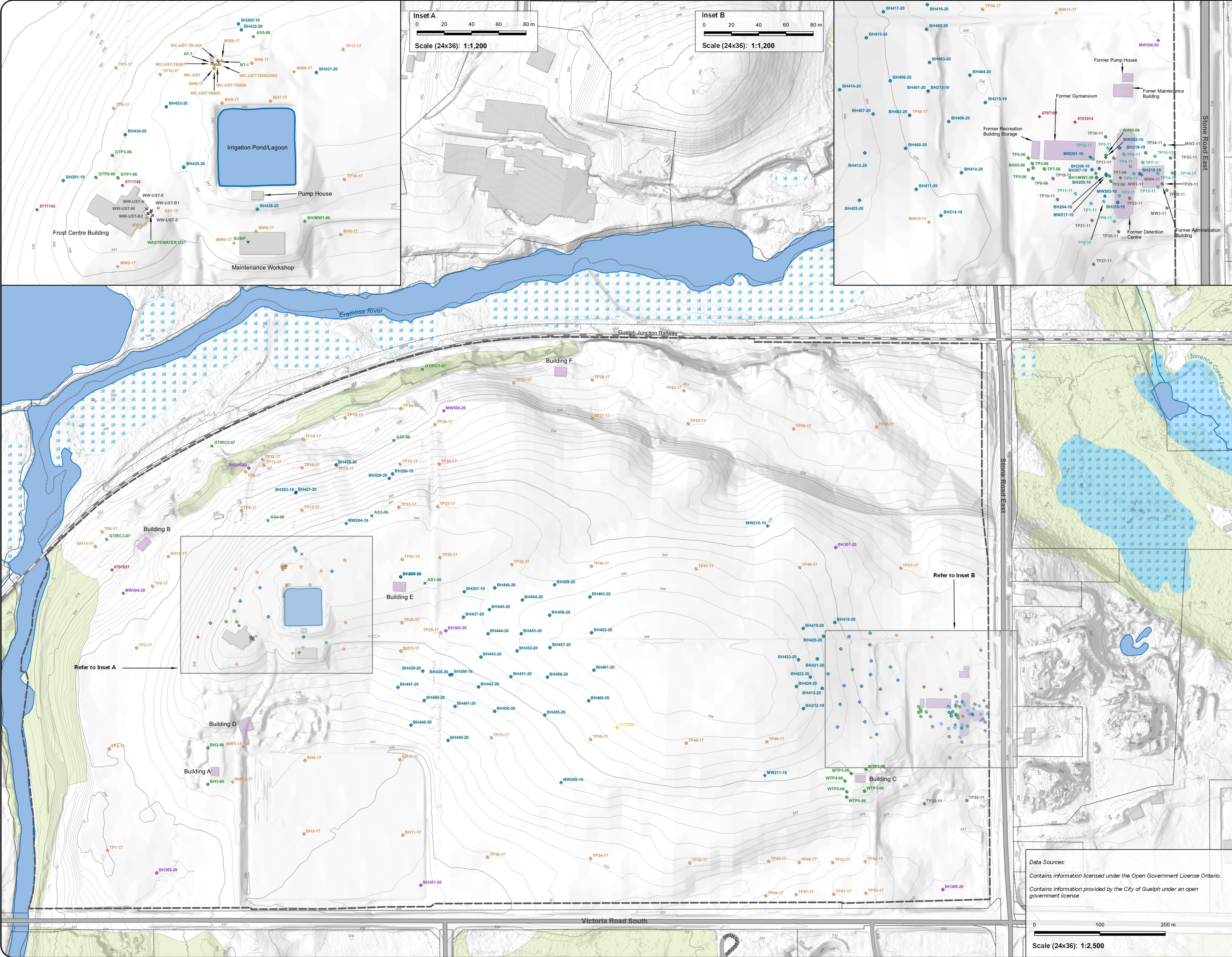



MTE

Engineers, Scientists, Surveyors


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Client	
Fusion Homes	
Project	
Phase One ESA	
Site	
328 Victoria Road South and 588 Stone Road East, Guelph, ON	
Title	
Off-Site Potentially Contaminating Activities	
Reviewed By	RMR
Prepared By	JGH
Drawn By	SAR
Date	March 2023
Project No	46927-104
Figure No	4





NORTH



PROJECT NORTH

Legend

Site Data

Boundaries

- Phase One Property Boundary

Sample Locations

- Monitoring Well
- DS Consultants Ltd.
- Franz Environmental Inc.
- GHD
- University of Guelph
- MTE Consultants Inc.
- WESA
- Test Pit
- Franz Environmental Inc.
- GHD
- WESA
- DST Consulting Engineers
- Borehole
- DS Consultants Ltd.
- Franz Environmental Inc.
- GHD
- MTE
- Wastewater/Sump
- Franz Environmental Inc.
- GHD
- Grab Sample
- Englobe
- Franz Environmental Inc.
- GHD
- Private Well

Base Map

Buildings

- Approximate Location of Existing Building Footprint
- Approximate Location of Former Building Footprint

Boundaries

- Parcel Fabric (City of Guelph)

Transportation

- Trail Network
- Roads
- Railway

Surfacewater

- Provincially Significant Wetland
- Non-Provincially Significant Wetland (Evaluated)
- Unevaluated Wetland
- Surfacewater Body
- Surfacewater Course


Groundsurface

- Groundsurface Contour (1m Interval)

Landuse

- Wooded Area

Project CRS: NAD83 / UTM zone 17N (EPSG:26917)



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Client

Fusion Homes

Project

Phase One ESA

Site

328 Victoria Road S. and 588 Stone Road East, Guelph, ON

Title

Historical Soil and Groundwater Sample Locations

Reviewed By

RMR

Prepared By

JSH

Project No

48927-104

Drawn By

MDE

Figure No

5

Date

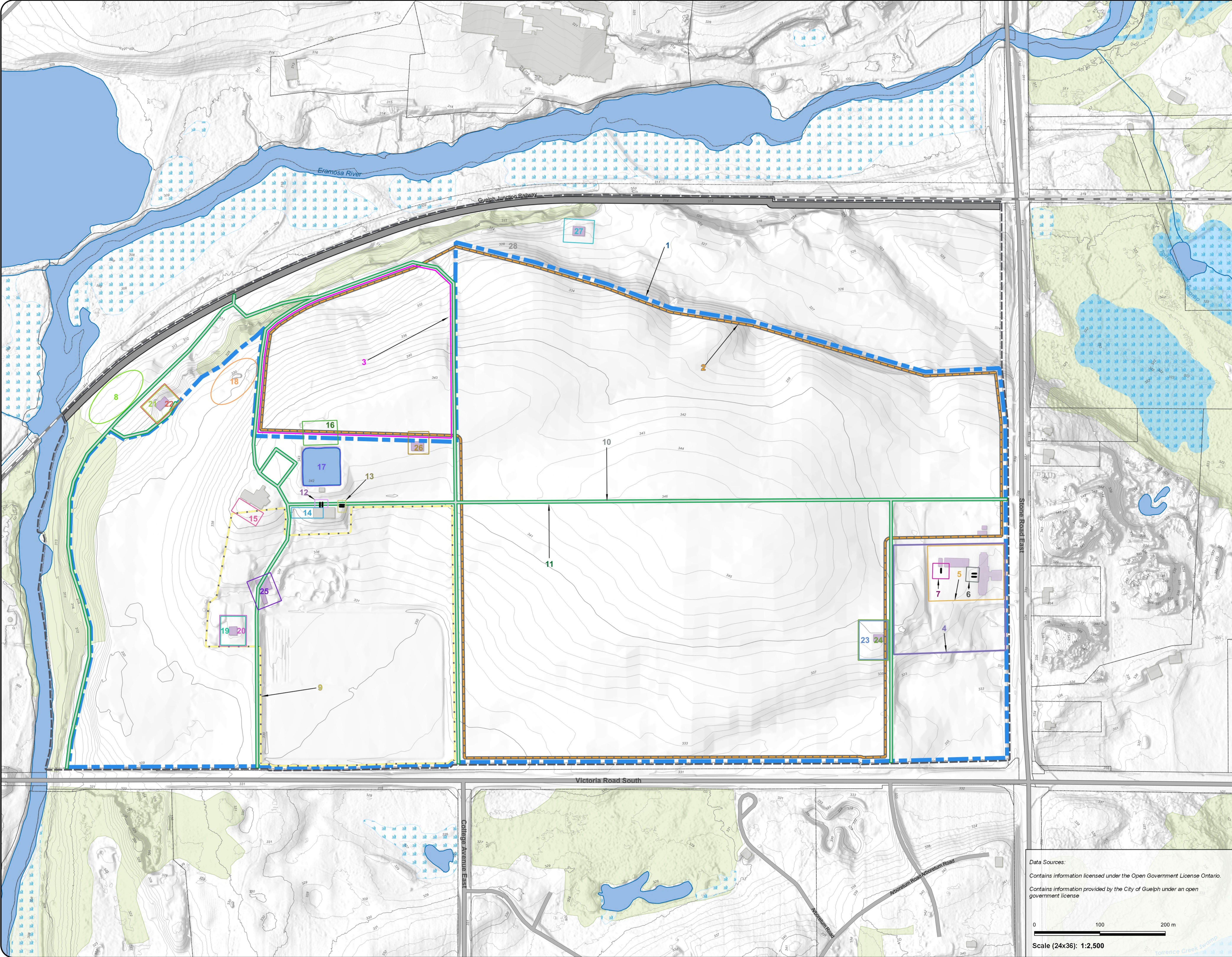
March 2023


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Scale (24x36): 1:2,500





NORTH



PROJECT NORTH

Legend

Site Data

Boundaries

- Phase One Property Boundary

APECs

- APEC 1 - Pesticide Application (Agricultural/Agroforestry/Turf Lands)
- APEC 2 - Historical Groundwater Impacts (Agricultural/Agroforestry/Orchard Lands)
- APEC 3 - Pesticide Application(Historical Apple Orchard)
- APEC 4 - Importation of Fill (Former Detention Area/Surrounding Land)
- APEC 5 - Historical On-Site Groundwater Impacts (Former Detention Area)
- APEC 6 - Former USTs A&B (Former Detention Area)
- APEC 7 - Former UST C (Former Detention Area)
- APEC 8 - Historical On-Site Soil Impacts (Northwest Corner of Site)
- APEC 9 - Importation of Fill (Former Turf Lands)
- APEC 10 - Application of Dust Control Products (Site Roads)
- APEC 11 - Application of Road Deicing Salt (Site Roads)
- APEC 12 - Former AST A&B (Workshop)
- APEC 13 - Former AST C&D (Workshop)
- APEC 14 - Historical Wastewater Collection/Storage/Discharge (Workshop Catch Basin)
- APEC 15 - Historical Lab Wastewater Collection/Storage/Discharge (Frost Building Septic System)
- APEC 16 - Historical Operation of Toxicology Research Area
- APEC 17 - Historical Wastewater Collection/Storage (Irrigation Pond)
- APEC 18 - Potential Dumping Area (Northwest Portion of Site)
- APEC 19 - Potential Importation of Fill (Former Building A)
- APEC 20 - Potential Former AST (Former Building A)
- APEC 21 - Potential Importation of Fill (Former Building B)
- APEC 22 - Potential Former AST (Former Building B)
- APEC 23 - Potential Importation of Fill (Former Building C)
- APEC 24 - Potential Former AST (Former Building C)
- APEC 25 - Potential Importation of Fill (Former Building D)
- APEC 26 - Potential Importation of Fill (Former Building E)
- APEC 27 - Potential Importation of Fill (Former Building F)
- APEC 28 - Off-Site Rail Line Corridor

Base Map

Buildings

- Approximate Location of Existing Building Footprint
- Approximate Location of Former Building Footprint

Boundaries

- Parcel Fabric (City of Guelph)

Transportation

- Roads
- Railway

Surfacewater

- Provincially Significant Wetland
- Non-Provincially Significant Wetland (Evaluated)
- Unevaluated Wetland
- Surfacewater Body
- Surfacewater Course


Groundsurface

- Groundsurface Contour (1m Interval)

Landuse

- Wooded Area

Project CRS: NAD83 / UTM zone 17N (EPSG:26917)



MTE
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Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

Site

328 Victoria Road S. and 588 Stone Road East, Guelph, ON

Title

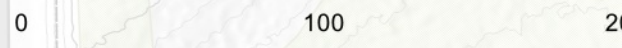
Areas of Potential Environmental Concern

Reviewed By	RMR	Project No	48927-104
Prepared By	JSH	Figure No	6
Drawn By	MDE		
Date	March 2023		

Data Sources:

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0 100 200 m

Scale (24x36): 1:2,500

Tables

Table 1: Summary of Pertinent ERIS Report Listings

Address	Distance from the Site	Record
328 Victoria Road South	The Site	Ontario Waste Generator <ul style="list-style-type: none"> University of Guelph was registered as a generator of light fuels, waste oils and lubricants between 2013 and 2015.
		Environmental Compliance Approval <ul style="list-style-type: none"> University of Guelph obtained an ECA for municipal and private sewage discharge in 2011.
588 Stone Road East	The Site	Ontario Waste Generator <ul style="list-style-type: none"> Ministry of Public Safety and Security was registered as a waste generator (ON4683638) for an unspecified substance between 2003 and 2004.
North of the Site		
165 Dunlop Drive* *also referenced as 781 York Road	160m North	Fuel Storage Tank <ul style="list-style-type: none"> Better Beef Ltd was registered as having one active 2,200 L-capacity gasoline tank on-site in 2004. Better Beef Ltd was registered as having two tanks associated with an expired self-served fuels safety private outlet (expired in 1990).
East of the Site		
555 Stone Road East	10m east	Ontario Spills: <ul style="list-style-type: none"> In 2013, 50 L of diesel fuel/operating fluids was released to the soil from a motor vehicle.
West of the Site		
256 Victoria Road South	40m west	Ontario Waste Generator <ul style="list-style-type: none"> Hart Chemical Ltd was registered as a generator of aliphatic solvents, polymeric resins and other specified organics between 1986-1998, aromatic solvents and organic laboratory chemicals between 1992-1998 and other specified inorganics in 1989-1998. Huntsman Corporation Canada, Inc. was registered as a generator of other specified inorganics, inorganic laboratory chemicals, aromatic solvents, aliphatic solvents, petroleum distillates, polymeric resins, organic laboratory chemicals, phenolic wastes, organic acids, other specified organics and pathological wastes between 1994-2005, and acid waste (other metals), waste oils and lubricants, other inorganic acid wastes, alkaline wastes (other metals), light fuels, other polymeric wastes, halogenated solvents, oil skimmings and sludges, amines and waste compressed gases between 1999-2005. Texaco Chemical Canada was registered as a generator of other specified inorganics, inorganic laboratory chemicals, aromatic solvents, aliphatic solvents, polymeric resins, halogenated solvents, organic laboratory chemicals, phenolic wastes and other specified organics between 1992-1998.

Address	Distance from the Site	Record
		<ul style="list-style-type: none"> • Polymer Distribution Inc. was registered as a generator of other inorganic acid wastes, other specified organics, light fuels, other polymeric wastes, halogenated solvents, inorganic laboratory chemicals, amines, waste compressed gases, aliphatic solvents, acid waste (other metals), alkaline wastes (other metals), oil skimmings and sludges, other specified inorganics, organic acids, pathological wastes, phenolic wastes, waste oils and lubricants and aromatic solvents between 2011-2013, and petroleum distillates, detergents/soaps, organic laboratory chemicals and polymeric resins between 2011-2013 and 2015. • Mayflower Properties (Guelph) Inc. was registered as a generator of acid waste (other metals), other inorganic acid wastes, alkaline wastes (other metals), other specified inorganics, inorganic laboratory chemicals, aromatic solvents, aliphatic solvents, petroleum distillates, light fuels, polymeric resins, other polymeric wastes, halogenated solvents, oil skimmings and sludges, waste oils and lubricants, detergents/soaps, organic laboratory chemicals, phenolic wastes, organic acids, amines, other specified organics, pathological wastes and waste compressed gases between 2009-2010. <p>Scott's Manufacturing Directory</p> <ul style="list-style-type: none"> • Huntsman Corporation Canada was registered as a manufacturing facility, which included all other basic inorganic chemicals, resin and synthetic rubber, soap and cleaning compounds, other miscellaneous chemical products, industrial inorganic chemicals (not elsewhere classified), plastic materials, synthetic resins, nonvulcanizable elastomers, surface active agents, finishing agents, sulfonated oils and assistants, industrial organic chemicals (not elsewhere classified), and chemical and chemical preparations (not elsewhere classified) in 1960. • Huntsman Corporation Canada Inc. was registered as a manufacturing facility, which included other basic organic chemicals, urethane and other foam products (except for Polystyrene), and all other plastic products in 1985. <p>Ontario Spills</p> <ul style="list-style-type: none"> • <i>Huntsman Corp</i> was registered with a spill on November 4, 1997 resulting in possible air pollution. 10 kilograms (kg) of liquid sulfur dioxide (SO₂) was released. • Huntsman Corp was registered with a spill on October 10, 1997 resulting in possible air pollution. 12 kg of liquid SO₂ was released. • Huntsman Corp was registered with a spill on April 3, 1997 resulting in possible air pollution. "Explosion brown and grey cloud to AIRFD and MOEE to site" • Huntsman Corp was registered with a spill on June 13, 1999 resulting in possible air pollution. Approximately 5,000 kg of doss surfactant (70% active sodium dioctyl sulfosuccinate anionic surfactant) was released to the ground. According to the record, the spill was cleaned up.

Address	Distance from the Site	Record
		<ul style="list-style-type: none"> • Huntsman Corp was registered with a spill on October 8, 1997 resulting in possible soil contamination. Approximately 1,350 L of xylene was released to a containment dyke. • Huntsman Corp was registered with a spill on July 13, 2002 resulting in possible water course or lake contamination. Approximately 134,882 L of hazardous wastewater was released into a sanitary sewer. • Huntsman Corp was registered with a spill on August 14, 1995 resulting in possible water course or lake contamination. Approximately 900 L of untreated process water was released to a holding pond. • Huntsman Corp was registered with a spill on October 15, 1999 resulting in possible soil contamination. An unknown quantity of solvent and detergent (xylene) was released to surrounding land. According to the record, the spill was cleaned up. • Huntsman Corp was registered with a spill on November 24, 1995 resulting in possible air pollution. Between 20-40 L of liquid SO₂ was released to a dyke area. • Huntsman Corp was registered with a spill on July 1, 1996 resulting in possible air pollution. Approximately 440 kg of soap base and 100 kg of ethyl oxide was released into the air and onto the ground. • Texaco Chemical Canada Ltd. was registered with a spill on October 12, 1993 resulting in possible water course or lake contamination. Approximately 900 L of dirty water was released to Eramosa River. • Texaco Chemical Canada Ltd. was registered with a spill on April 26, 1994. Between 45 – 450 L of propylene was released to paved ground. • Provost Bulk Carriers Inc. was registered with a spill on May 19, 1988. 600 L of diesel fuel was released to a concrete dyke. According to records, the spill has no anticipated environmental impacts. • Hart Chemicals Ltd. was registered with a spill on January 30, 1991 resulting in possible soil contamination. An unknown quantity of effluent was released to a storm water trench. • Hart Chemicals was registered with a spill on May 16, 1988. An ethylene oxide fire occurred. • Hart Chemicals Ltd. was registered with a spill on July 7, 1991. Approximately 9 L of fuel additive was released onto the ground. According to records, the spill was cleaned up and no negative impacts were anticipated. • Canadian Pacific Railways was registered with a spill on May 30, 1995 resulting in confirmed soil contamination. Approximately 500 grams (g) of phenol was released to the ground. • Polymer Distribution Inc. was registered with a spill on November 11, 2006 resulting in possible environmental impacts. An unknown quantity of an unknown contaminant was spilled onto the ground from a silo. The contaminant was a white foam.

Address	Distance from the Site	Record
		Waste Disposal Site – MOE CA Inventory <ul style="list-style-type: none"> Polymer Distribution Inc. was registered as a waste disposal site in 2015 and 2016.

Report limitations are outlined below:

- Several records were provided in the unplottable section of the ERIS report (i.e., listings with no defined address or location). No pertinent information relevant to the Site was extracted from the unplottable records.

Table 2: Summary of PCAs for the Site and Phase One ESA Study Area

Based on the Phase One ESA, the following Potentially Contaminating Activities (PCAs) were identified for the Site and Study Area (250 m radius from the Site):

ID	Location of PCA	PCA	APEC #	Rationale
On-Site PCAs resulting in an APEC				
1	Current and Historical Agricultural, Agroforestry, and Research Turf Lands	40. Pesticides Manufacturing, Processing, Bulk Storage and Large-scale Applications	APEC 1	Based on previous environmental reports and information provided by the Site representative, pesticides were applied to the Site during historical farming and agricultural research operations. Soil impacts comprising metals and OCPs , were also identified within shallow soils in the current and historical agricultural and agroforestry lands that may be attributed to pesticide use.
2	Current and Historical Agricultural, Agroforestry, and Apple Orchard Lands	Other - Historical On-Site Groundwater Impacts	APEC 2	Based on previous environmental reports, groundwater impacts comprising metals and/or PAHs were identified at various monitoring well locations. The source of impact may be non-anthropogenic or may be the result of sediment intrusion / interference.
3	Former Apple Orchard Area	40. Pesticides Manufacturing, Processing, Bulk Storage and Large-scale Applications	APEC 3	Based on previous environmental reports, lead arsenate (a pesticide historically used on apple orchards) was reportedly applied within the former Apple Orchard area. Soil impacts comprising metals (including lead and arsenic) and OCPs were also identified within the shallow soils throughout former Apple Orchard area and may be attributed to pesticide use. This APEC comprises the former apple orchard area within the northwest portion of the Site.
4	Former Detention Centre Compound Area / Surrounding Lands	30. Importation of Fill Material of Unknown Quality	APEC 4	Based on previous environmental reports, fill material was identified in the former Detention Centre Compound area between the ground surface and depths of 4.5 mbgs. Soil impacts comprising VOCs, PAHs, PHCs, metals and hydrides were identified within the former Detention Centre Compound area which may be attributed to the importation of fill materials. Also, unidentified landforms were observed on topographical maps in the southwest portion of the former Detention Centre Compound area, which may have been a former soil storage / stockpile area. This APEC comprises the former Detention Centre Compound Area in the southeast portion of the Site.

ID	Location of PCA	PCA	APEC #	Rationale
On-Site PCAs resulting in an APEC				
5	Former Detention Centre Compound Area	Other - Historical On-Site Groundwater Impacts	APEC 5	Groundwater impacts comprising BTEX, PAHs, PHCs, and metals were identified in the former Detention Center Compound area which may be attributed to the previous operations of the facility or a result of importation and placement of fill materials at depth. This APEC is located in the former Detention Centre Compound Area in the southeast portion of the Site.
6	Former USTs (A & B) within the Former Detention Center Compound Area	28. Gasoline and Associated Products Storage in Fixed Tanks	APEC 6	Based on previous environmental reports, two (nested) USTs (A & B) containing heating oil were located west adjacent to the former Detention Centre Main Building. The tanks were reportedly removed between 1989 and 1992, however there was no documentation regarding their removal. Soil and Groundwater impacts comprising VOC and/or PHCs were identified in the general area of the former USTs and are components of heating oil. The approximate location of the two USTs are shown on Figure 2 . This APEC comprises the tank nest area in the southeast portion of the Site.
7	Former UST (C) within Former Detention Center Area	28. Gasoline and Associated Products Storage in Fixed Tanks	APEC 7	Based on previous environmental reports, one UST (C) containing heating oil was located adjacent to the southwest corner of the former Detention Centre Recreation Building. The tank was reportedly removed between 1989 and 1992, however there was no documentation regarding its removal. Soil and Groundwater impacts comprising VOCs and/or PHCs were identified in the general area of the former UST and are components of heating oil. The approximate location of the UST is shown on Figure 2 . This APEC comprises the footprint of UST (C) in the southeast portion of the Site.
8	Northwest Corner of Site (proximity of BH14-17 and TP4-17)	Other - Historical On-Site Soil Impacts	APEC 8	Based on previous environmental reports, soil impacts comprising metals were identified at borehole BH14-17 and test pit TP4-17. The source of impacts may be attributed to unidentified landforms observed on topographical maps within this area. The location of BH14-17 and TP4-17 are shown on Figure 5 . This APEC is located in the northwest corner of the Site.

ID	Location of PCA	PCA	APEC #	Rationale
On-Site PCAs resulting in an APEC				
9	Former Putting Greens / Research Turf Ranges	30. Importation of Fill Material of Unknown Quality	APEC 9	Based on previous environmental reports and information provided by the Site representative, fill material was imported to the Site during construction of the former putting greens and the Research Turf Ranges. This APEC is shown within the southwest portion of the Site.
10	Historical and Current Site Gravel Laneways	Other – Application of Road Dust Control Products	APEC 10	Based on information provided by the Site representative, dust control products were applied to gravel driveways/access road to control dust. This APEC is shown within the former and current roadways and parking areas throughout the Site.
11	Historical and Current Site Gravel Laneways	Other – Application of Road De-icing Salt	APEC 11	There is potential for use of de-icing salt on Site roadways. This APEC is shown within the former and current roadways and parking areas throughout the entire Site.
12	Former ASTs (A & B) North of Maintenance Workshop	28. Gasoline and Associated Products Storage in Fixed Tanks	APEC 12	Based on previous environmental reports, two former (nested) ASTs (A and B) were present north adjacent of the maintenance workshop from 1990 to 2006 and were used to store gasoline and diesel fuel for refueling on-Site equipment. Documentation regarding their removal was not provided to MTE. The approximate location of the two ASTs are shown on Figure 2 . This APEC is shown within the west central portion of the Site.
13	Former ASTs (C & D) East of Maintenance Workshop	28. Gasoline and Associated Products Storage in Fixed Tanks	APEC 13	Based on previous environmental reports, two former (nested) ASTs (C and D) were present east adjacent of the maintenance workshop and were used to store gasoline and diesel fuel. Documentation regarding their removal was not provided to MTE. The approximate location of the two ASTs are shown on Figure 2 . This APEC is shown within the west central portion of the Site.

ID	Location of PCA	PCA	APEC #	Rationale
On-Site PCAs resulting in an APEC				
14	Catch Basin in Maintenance Workshop and Surrounding Area	Other - Historical Collection, Storage, Transmission and Discharge of Wastewater Associated with the Catch Basin Located in the Maintenance Workshop	APEC 14	Based on previous environmental reports and information provided by the Site representative, a floor drain/catch basin is located inside the maintenance workshop which received any potential runoff wash water, liquid waste, etc. from maintenance activities. The catch basin is reportedly connected to a drainage system, however the discharge location(s) of the drainage pipe has not been formally confirmed and assessed. A sample of standing water and sediment/sludge was collected from the bottom of the catch basin in 2007; BTEX and PHCs impacts were identified in the sludge sample. The approximate location of the catch basin is shown on Figure 2 . This APEC is shown within the west central portion of the Site.
15	Footprint Area of Septic System for the Frost Centre Building	Other - Historical Collection, Storage, Transmission and Discharge of Laboratory Related Wastewater	APEC 15	Based on previous environmental reports, laboratory wastewater generated from the Frost Centre building may have been historically discharged to the on-Site septic system/bed located south of the building. No information regarding the types and quantities of chemicals that may have discharged was provided to MTE. The approximate location of the septic bed is shown on Figure 2 . This APEC is shown within the west central portion of the Site.
16	Environmental Toxicology Research Area	Other - Historical Operation of Environmental Toxicology Research Area	APEC 16	Based on previous environmental reports, an Environmental Toxicology Research Area (ETRA) historically operated on the Site where industrial chemicals, pesticides, pharmaceuticals, flame-retardants, wood treatment chemicals, and surfactants were placed in small quantities in the 26 small pools (microcosms) to study the effect on organisms and animals. The approximate location of the ETRA is shown on Figure 2 . This APEC is shown within the west central portion of the Site.

ID	Location of PCA	PCA	APEC #	Rationale
On-Site PCAs resulting in an APEC				
17	Site Irrigation Pond/Lagoon	Other – Collection and Storage of Wastewater Discharge	APEC 17	Based on previous environmental reports and information provided by the Site representative, wastewater generated from the ETRA biological research ponds (which may have included industrial chemicals, pesticides, pharmaceuticals, flame-retardants, wood treatment chemicals, and surfactants) was treated via an activated carbon filter and discharged into the irrigation pond/lagoon if clean after testing. Documentation regarding the water and sediment quality was not provided to MTE. The approximate location of the Irrigation Pond/ Lagoon is shown on Figure 2 . This APEC is shown within the west central portion of the Site.
18	Unidentified Landforms in Northwest Portion of Site	Other - Potential Illegal Dumping Area	APEC 18	Unidentified landforms were observed on topographical maps within the northwest portion of the Site. Based on previous environmental reports, wastes materials may have been historically deposited in this area (i.e., north of the Frost Building). The approximate location of this potential dumping area is shown on Figure 2 . This APEC is shown within the northwest portion of the Site.
19	Former Inferred Residential Dwelling - Building (A)	30. Importation of Fill Material of Unknown Quality	APEC 19	Based on previous environmental reports and historical aerial photographs, a potential residential dwelling (Building A) was formerly located within the southwest portion of the Site. No records of the demolition (fate of the building materials) or of the materials used to backfill excavation areas were provided to MTE. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the southwest portion of the Site.
20	Former Inferred Residential Dwelling - Building (A)	28. Gasoline and Associated Products Storage in Fixed Tanks	APEC 20	Based on previous environmental reports and historical aerial photographs, a potential residential dwelling (Building A) was formerly located within the southwest portion of the Site. There is potential that the former building was heated with heating oil and fuel tank was present. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the southwest portion of the Site.

ID	Location of PCA	PCA	APEC #	Rationale
On-Site PCAs resulting in an APEC				
21	Former Inferred Residential Dwelling - Building (B)	30. Importation of Fill Material of Unknown Quality	APEC 21	Based on previous environmental reports and historical aerial photographs, a potential residential dwelling (Building B) was formerly located within the northwest corner of the Site. No records of the demolition (fate of the building materials) or of the materials used to backfill excavation areas were provided to MTE. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the northwest portion of the Site.
22	Former Inferred Residential Dwelling - Building (B)	28. Gasoline and Associated Products Storage in Fixed Tanks	APEC 22	Based on previous environmental reports and historical aerial photographs, a potential residential dwelling (Building B) was formerly located within the northwest corner of the Site. There is potential that the former building was heated with heating oil and fuel tank was present. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the northwest portion of the Site.
23	Former Inferred Residential Dwelling - Building (C)	30. Importation of Fill Material of Unknown Quality	APEC 23	Based on previous environmental reports and historical aerial photographs, a potential residential dwelling (Building C) was formerly located within the southeast corner of the Site. No records of the demolition (fate of the building materials) or of the materials used to backfill excavation areas were provided to MTE. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the southeast portion of the Site.
24	Former Inferred Residential Dwelling - Building (C)	28. Gasoline and Associated Products Storage in Fixed Tanks	APEC 24	Based on previous environmental reports and historical aerial photographs, a potential residential dwelling (Building C) was formerly located within the southeast corner of the Site. There is potential that the former building was heated with heating oil and fuel tank was present. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the southeast portion of the Site.

ID	Location of PCA	PCA	APEC #	Rationale
On-Site PCAs resulting in an APEC				
25	Former Inferred Storage Building /Barn - Building (D)	30. Importation of Fill Material of Unknown Quality	APEC 25	Based on previous environmental reports and historical aerial photographs, a potential storage building/barn (Building D) was formerly located within the southwest corner of the Site. No records of the demolition (fate of the building materials) or of the materials used to backfill excavation areas were provided to MTE. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the southwest portion of the Site.
26	Former Inferred Storage Building /Shed - Building (E)	30. Importation of Fill Material of Unknown Quality	APEC 26	Based on previous environmental reports and historical aerial photographs, a potential storage building/shed within the former apple orchard (Building E) was formerly located within the west central portion of the Site. No records of the demolition (fate of the building materials) or of the materials used to backfill excavation areas were provided to MTE. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the west central portion of the Site.
27	Former Inferred Storage Building /Shed - Building (F)	30. Importation of Fill Material of Unknown Quality	APEC 27	Based on previous environmental reports and historical aerial photographs, a potential storage building/shed (Building F) was formerly located within the north central portion of the Site. No records of the demolition (fate of the building materials) or of the materials used to backfill excavation areas were provided to MTE. The approximate location of this former building is shown on Figure 2 . This APEC is shown within the north central portion of the Site.

ID	Location of PCA	PCA	APEC #	Rationale
Off-Site PCAs resulting in an APEC				
28	Rail Line Corridor (north adjacent to the Site)	46. Rail Yards, Tracks and Spurs	APEC 28	A review of aerial photographs and historical records confirmed the presence of a railway line present immediately north of the Site since 1930. MTE also observed the railway line during the Site visit.

ID	Location of PCA	PCA	PCA Rationale	Rationale for Exclusion as an APEC on Site
Off-Site PCAs not resulting in an APEC				
29	165 Dunlop Drive* (approximately 160 m north of the Site) *also referenced as 781 York Road	28. Gasoline and Associated Products Storage in Fixed Tanks	Based on records obtained from the ERIS database report, this property was registered as having one active 2,200 L-capacity gasoline tank on-site in 2004 and two tanks associated with an expired self-served fuels safety private outlet (expired in 1990).	Based on the distance and the groundwater flow direction (located hydraulically down gradient) from the Site, this PCA is not considered to result in an APEC for the Site.
30	256 Victoria Road South (approximately 40 m west of the Site)	8. Chemical Manufacturing, Processing and Bulk Storage	Based on records obtained from the municipal directories, ERIS database report, NRPI, and HWIN, this property was listed as a registered waste generator for various chemical including aliphatic solvents, polymeric resins and other specified organics between 1970 and 2016. Several chemical spills were noted to have occurred on this property.	Based on the distance and the groundwater flow direction (located hydraulically down gradient) from the Site, as well as the groundwater divide between the Site (Eramosa River), this PCA is not considered to result in an APEC for the Site.
31	555 Stone Road E (approximately 10 m east of the Site)	Other – Diesel Spill	Based on records obtained from the ERIS database report, a truck tipped over on Stone Road resulting in 20 L of diesel fuel being released to the ground surface in May 2013.	Based on the distance and the groundwater flow direction (located hydraulically down gradient) from the Site, this PCA is not considered to result in an APEC for the Site.
32	579 Stone Road East (approximately 20 m east of the Site)	Other – Historical Rug and Upholstering Cleaning Business	Based on records obtained from the municipal directories, this property was listed as a historical rug and upholstery cleaner business.	Based on the distance and the groundwater flow direction (located hydraulically down gradient) from the Site, this PCA is not considered to result in an APEC for the Site.

Appendix A

Legal Documentation

TITLE SEARCH SERVICES

April 18, 2022

C O V E R P A G E

To: **MTE Consultants Inc.**
Kitchener – ONTARIO.

ATTN: **Dylan Cave**

RE: T I T L E S E A R C H R E P O R T

SUBJECT: **588 STONE ROAD EAST. GUELPH, ON.**

PROPERTY Pt. Broken Front Lots 10-11, Concession 1 - Division G
DESCRIPTION Pin. 71236-0118 (See the Pin Print out for the full description)

TOTAL PAGES 2 - Including this page
(Search Report - Page 2)
(The Invoice - Page N/A)

DUE TO THE NATURE OF THE TITLE SEARCH WORK, THIS REPORT IS REFLECTING TO THE BEST POSSIBLE THE STATUS OF THE LAND REGISTRY RECORD. UPON THE RECEPTION OF THIS REPORT, (IF NOT REFUSED AND SENT BACK TO ARMAND SIMO\ TITLE SEARCH SERVICES WHEN RECEIVED), THE CLIENT(S) AND OTHER PARTIES HAVE ACCEPTED TO RELEASE THIS TITLE SEARCH REPORT / SERVICE AND ARMAND SIMO FROM ANY FUTURE LIABILITY (OR OTHER) CLAIMS OF ANY NATURE

COMPLETE - ACCURATE - PROVINCE WIDE - TITLE SEARCH SERVICES

PROPERTY TITLE REPORT

April 12, 2022

SUBJECT: 588 STONE ROAD EAST. GUELPH, ON.

PROPERTY Pt. Broken Front Lots 10-11, Concession 1 - Division G

DESCRIPTION Pin. 71236-0118 (See the Pin Print out for the full description)

PROPERTY TITLE HISTORY

<u>Date</u>	<u>Ownership</u>	<u>Deed #</u>
Dated before 1854	Canada Company (Lot 10-11) -	_____
02 September 1854	William Allan (Lot 11) -	6822
27 January 1860	David Allan (Lot 11) -	14429
30 May 1861	James McQuillan (Lot 10) -	16545
23 April 1864	James McQuillan (Lot 11) -	21597
16 March 1900	Bernard McQuillan (Lot 10-11) -	BS4907
16 March 1900	Arthur McQuillan (Lot 10-11) -	BS4908
06 April 1910	His Majesty The King - Represented by The Minister of Public Works For The Province of Ontario. (Changed the Name to - HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO - AS REPRESENTED BY THE MINISTER OF GOVERNMENT AND CONSUMER SERVICES)	- BS6220
05 May 1910	His Majesty The King - Represented by The Minister of Public Works For The Province of Ontario. (Changed the Name to - HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO - AS REPRESENTED BY THE MINISTER OF GOVERNMENT AND CONSUMER SERVICES)	- BS6245
13 October 1910	His Majesty The King - Represented by The Minister of Public Works For The Province of Ontario. (Changed the Name to - HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO - AS REPRESENTED BY THE MINISTER OF GOVERNMENT AND CONSUMER SERVICES)	- BS6292
14 December 2021	<u>1000027909 ONTARIO LTD.</u> (For the Subject Property - <u>CURRENT OWNER</u>)	- WC657705 (Recent Deed)

(End of the Title Search Report)

DUE TO THE NATURE OF THE TITLE SEARCH WORK, THIS REPORT IS REFLECTING TO THE BEST POSSIBLE THE STATUS OF THE LAND REGISTRY RECORD. - THE RESULT OF THIS TITLE SEARCH IS INFORMATIONAL ONLY AND CONTAINS ONLY THE OWNERSHIP HISTORY ON THE PROPERTY. IT DOES NOT CONSTITUTE A LEGAL OPINION AND NO RESEARCH OR OTHER VERIFICATION AS TO THE LEGALITY OF ANY OF THE TRANSACTIONS, OR LEGAL VALIDITY OF THE TITLE TO THE PROPERTY IS MADE OR IMPLIED. ARMAND SIMO IN THIS TITLE SEARCH REPORT / SERVICE DISCLAIMS ANY LIABILITY AND/OR RESPONSIBILITY ON THE USE OF (THE) / THIS TITLE SEARCH INFORMATION BY THE CLIENT (S) AND / OR OTHER PARTIES

COMPLETE - ACCURATE - PROVINCE WIDE - TITLE SEARCH SERVICES

TITLE SEARCH SERVICES

April 19, 2022

C O V E R P A G E

To: **MTE Consultants Inc.**
Kitchener – ONTARIO.

ATTN: **Dylan Cave**

RE: T I T L E S E A R C H R E P O R T

SUBJECT: **328 VICTORIA ROAD SOUTH. GUELPH, ON.**

PROPERTY Pt. Broken Front Lots 10, 11, 12 in Concession 1-Division G
DESCRIPTION Pin. 71236-0133 (See the Pin Print out for the full description)

TOTAL PAGES 2 - Including this page
 (Search Report - Page 2)
 (The Invoice - Page N/A)

DUE TO THE NATURE OF THE TITLE SEARCH WORK, THIS REPORT IS REFLECTING TO THE BEST POSSIBLE THE STATUS OF THE LAND REGISTRY RECORD. UPON THE RECEPTION OF THIS REPORT, (IF NOT REFUSED AND SENT BACK TO ARMAND SIMO\ TITLE SEARCH SERVICES WHEN RECEIVED), THE CLIENT(S) AND OTHER PARTIES HAVE ACCEPTED TO RELEASE THIS TITLE SEARCH REPORT / SERVICE AND ARMAND SIMO FROM ANY FUTURE LIABILITY (OR OTHER) CLAIMS OF ANY NATURE

COMPLETE - ACCURATE - PROVINCE WIDE - TITLE SEARCH SERVICES

PROPERTY TITLE REPORT

April 12, 2022

SUBJECT: 328 VICTORIA ROAD SOUTH. GUELPH, ON.

PROPERTY Pt. Broken Front Lots 10, 11, 12 in Concession 1- Division G

DESCRIPTION Pin. 71236-0133 (See the Pin Print out for the full description)

PROPERTY TITLE HISTORY

<u>Date</u>	<u>Ownership</u>	<u>Deed #</u>
Dated before 1848	Canada Company (Lot 12) -	___
04 December 1848	William Millan (Lot 12) -	778
___ 1848	Arnold Sanders (Lot 12) -	___
Dated before 1854	Canada Company (Lot 10-11) -	___
02 September 1854	William Allan (Lot 11) -	6822
27 January 1860	David Allan (Lot 11) -	14429
30 May 1861	James McQuillan (Lot 10) -	16545
23 April 1864	James McQuillan (Lot 11) -	21597
24 February 1874	Patrick McQuillan (Lot 12) -	BS153
16 March 1900	Bernard McQuillan (Lot 10-11) -	BS4907
16 March 1900	Arthur McQuillan (Lot 10-11) -	BS4908
08 June 1903	Michael Walsh (Lot 12) -	BS5284
06 April 1910	His Majesty The King - Represented by (Lot 12) - The Minister of Public Works For The Province of Ontario. (Changed the Name to - HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO - AS REPRESENTED BY THE MINISTER OF GOVERNMENT AND CONSUMER SERVICES)	BS6220
05 May 1910	His Majesty The King - Represented by (Lot 10-11) - The Minister of Public Works For The Province of Ontario. (Changed the Name to - HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO - AS REPRESENTED BY THE MINISTER OF GOVERNMENT AND CONSUMER SERVICES)	BS6245
13 October 1910	His Majesty The King - Represented by (Lot 10-11) - The Minister of Public Works For The Province of Ontario. (Changed the Name to - HER MAJESTY THE QUEEN IN RIGHT OF ONTARIO - AS REPRESENTED BY THE MINISTER OF GOVERNMENT AND CONSUMER SERVICES)	BS6292
06 March 2007	Agricultural Research Institute of Ontario -	WC166384
14 December 2021	<u>1000027909 ONTARIO LTD.</u> (For the Subject Property - <u>CURRENT OWNER</u>)	- WC657704 (Recent Deed)

(End of the Title Search Report)

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COMPLETE - ACCURATE - PROVINCE WIDE - TITLE SEARCH SERVICES

Appendix B

OPTA and ERIS Reports



enviroscan



An SCM Company

175 Commerce Valley Drive W
Markham, Ontario L3T 7Z3

T: 905-882-6300
W: www.optaintel.ca

Report Completed By:

Swati

Site Address:

588 Stone Road East Guelph ON Canada

Project No:

46927104

Opta Order ID:
105704

Requested by:

Dylan Cave
MTE Consultants Inc.

Date Completed:

3/4/2022 8:05:02 AM

Page: 2

Project Name: Phase One
Environmental Site Assessment

Project #: 46927104

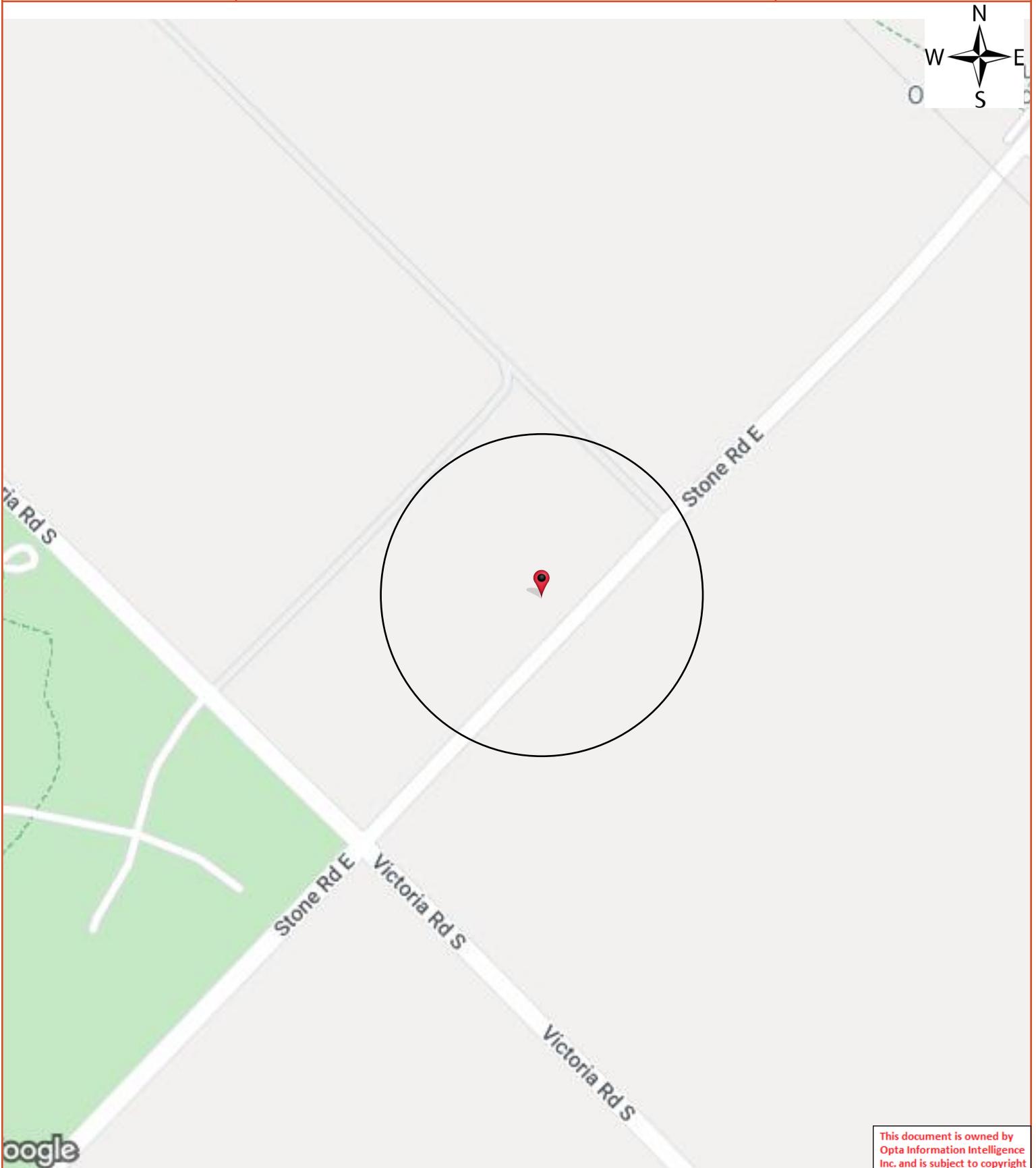
ENVIROSCAN Report

**Search Area: 588 Stone Road East Guelph ON
Canada**

Requested by:
Dylan Cave
Date Completed: 03/04/2022 08:05:02



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Report

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Governing Document

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

Law

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

No Records Found

Requested by:

Dylan Cave

Date Completed: 03/04/2022 08:05:02



OPTA INFORMATION INTELLIGENCE

No Records Found





DATABASE REPORT

Project Property: *Guelph Turfgrass Institute - 328 Victoria Road South
238 Victoria Rd S
Guelph ON N1E5R1*

Project No:

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

Order No: *20160926026*

Requested by: *GHD*

Date Completed: *September 30, 2016*

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Executive Summary

Property Information:

Project Property: *Guelph Turfgrass Institute - 328 Victoria Road South
238 Victoria Rd S Guelph ON N1E5R1*

Project No:

Order Information:

Order No: *20160926026*
Date Requested: *September 26, 2016*
Requested by: *GHD*
Report Type: *Quote - Custom-Build Your Own Report*

Additional Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
AAGR	Abandoned Aggregate Inventory	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	5	5
CA	Certificates of Approval	Y	0	29	29
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	2	2
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	10	10
ECA	Environmental Compliance Approval	Y	1	1	2
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	0	4	4
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EXP	List of TSSA Expired Facilities	Y	0	2	2
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FST	Fuel Storage Tank	Y	0	1	1
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Y	4	16	20
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0
INC	TSSA Incidents	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	20	20
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	3	3
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	2	2
SPL	Ontario Spills	Y	0	32	32
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	3	3
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	7	30	37
Total:			12	160	172

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	WWIS		Guelph ON	-/0.0	-0.97	<u>26</u>
<u>2</u>	WWIS		GUELPH ON	-/0.0	-9.55	<u>29</u>
<u>3</u>	ECA	University of Guelph	328 Victoria Road South Lot 12 Division G Guelph ON N1L 0H2	-/0.0	-2.97	<u>31</u>
<u>3</u>	GEN	University of Guelph	328 Victoria Road South Guelph ON	-/0.0	-2.97	<u>31</u>
<u>3</u>	GEN	University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	-/0.0	-2.97	<u>31</u>
<u>3</u>	GEN	University of Guelph Guelph Turfgrass Institute	328 Victoria Road South Guelph ON N1L 0H2	-/0.0	-2.97	<u>31</u>
<u>3</u>	GEN	University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	-/0.0	-2.97	<u>31</u>
<u>3</u>	WWIS		lot 12 con 2 ON	-/0.0	-2.97	<u>32</u>
<u>4</u>	WWIS		ON	-/0.0	-6.46	<u>34</u>
<u>5</u>	WWIS		ON	-/0.0	-6.82	<u>37</u>
<u>6</u>	WWIS		lot 12 con 2 ON	-/0.0	-4.93	<u>39</u>
<u>8</u>	WWIS		lot 2 con 2 ON	-/0.0	-24.22	<u>42</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
7	WWIS		Guelph ON	NE/167.3	-30.08	44
9	WWIS		Guelph ON	NE/178.9	-29.05	46
10	WWIS		GUELPH ON	NE/177.1	-29.39	48
11	WWIS		ON	NNE/187.3	-31.16	50
12	WWIS		Guelph ON	NE/195.9	-27.96	50
13	WWIS		ON	SE/99.9	-5.10	52
14	WWIS		Guelph ON	SSE/129.0	-5.23	54
15	EXP	BETTER BEEF LTD	781 YORK RD GUELPH ON N1E 6N1	NNE/238.0	-28.15	61
15	EXP	BETTER BEEF LTD	781 YORK RD GUELPH ON N1E 6N1	NNE/238.0	-28.15	61
15	FST	BETTER BEEF LTD	781 YORK RD GUELPH ON N1E 6N1	NNE/238.0	-28.15	61
16	WWIS		lot 1 con 1 ON	SE/104.2	-5.97	62
17	WWIS		Guelph ON	SE/134.4	-6.97	64
18	WWIS		GUELPH ON	SSE/151.0	-6.67	66
19	WWIS		GUELPH ON	N/234.8	-31.97	68
20	WWIS		ON	SE/68.6	-4.97	70
21	EHS		588 Stone Road East Guelph ON N1L 1B6	SE/144.1	-6.97	71
21	EHS		588 Stone Road East Guelph ON N1L 1B6	SE/144.1	-6.97	71
21	EHS		588 Stone Road East Guelph ON N1L 1B6	SE/144.1	-6.97	71
21	GEN	SNC-Lavalin Profac Inc.	588 Stone Road East Guelph ON N1L 1B6	SE/144.1	-6.97	71
21	GEN	Ministry of Public Safety and Security	588 Stone Road East Guelph ON N1L 1B6	SE/144.1	-6.97	72
22	WWIS		ON	SE/66.8	-4.97	72
23	WWIS		Guelph ON	SSE/153.7	-9.33	73
24	WWIS		lot 1 con 9 ON	SSE/200.1	-7.09	75

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
25	WWIS		Guelph ON	SSE/191.2	-8.97	78
26	WWIS		ON	SE/157.7	-3.98	80
27	WWIS		lot 1 con 9 ON	SSE/209.4	-5.97	83
28	WWIS		ON	WNW/56.9	-35.54	85
29	BORE		ON	WNW/15.1	-35.93	88
30	BORE		ON	WNW/20.5	-36.62	88
31	WWIS		ON	WNW/73.4	-35.02	89
32	WWIS		ON	WNW/43.1	-35.12	91
33	WWIS		GELPH ON	WNW/32.0	-35.14	93
34	CA	TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	95
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	95
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	96
34	CA	TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	96
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	9
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	97
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	97
34	CA	TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	9
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	97
34	CA	HART CHEMICAL LTD.	256 VICTORIA RD.S. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	98
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	98
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	98
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	99
34	CA	Huntsman Corporation Canada Inc.	256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	99
34	CA	TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	99
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	99
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	100

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
34	CA	HART CHEMICAL COMPANY	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	10
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	100
34	CA	TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	10
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	101
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	101
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	WNW/133.5	-33.97	10
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	102
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	10
34	CA	HART CHEMICAL LIMITED	256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	10
34	CA		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	103
34	CA	HART CHEMICAL LIMITED	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	10
34	CA	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	10
34	CHEM	HUNTSMAN CORPORATION CANADA INC	256 VICTORIA RD S GUELPH ON N1E 5R1	WNW/133.5	-33.97	104
34	EBR	Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	WNW/133.5	-33.97	104
34	EBR	Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	WNW/133.5	-33.97	104
34	EBR	Mayflower Properties (Guelph) Inc	256 Victoria Street South Guelph ON N1E 5R1	WNW/133.5	-33.97	104
34	EBR	Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	WNW/133.5	-33.97	105
34	EBR	Huntsman Corporation Canada	256 Victoria Road South City of Guelph ON N1E 5R1	WNW/133.5	-33.97	105
34	EBR	Mayflower Properties (Guelph) Inc.	256 Victoria Road S Guelph ON N1E 5R1	WNW/133.5	-33.97	105
34	EBR	Polymer Distribution Inc.	256 Victoria Road Guelph ON	WNW/133.5	-33.97	105
34	EBR	Polymer Distribution Inc.	256 Victoria Road Guelph ON	WNW/133.5	-33.97	105
34	ECA	Mayflower Properties (Guelph) Inc.	256 Victoria Rd S Guelph ON N1E 5R1	WNW/133.5	-33.97	106
34	EHS		256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	106
34	GEN	HART CHEMICAL LTD	PO BOX 450 256 VICTORIA RD S GUELPLH ON N1E 5R1	WNW/133.5	-33.97	106
34	GEN	HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	WNW/133.5	-33.97	106
34	GEN	HUNTSMAN CORPORATION CANADA INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	WNW/133.5	-33.97	107

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
34	GEN	TEXACO CHE(SEE & USE ON1846500)	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	WNW/133.5	-33.97	108
34	GEN	TEXACO CHE(SEE & USE ON1846500) 19-034	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	WNW/133.5	-33.97	109
34	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	109
34	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	110
34	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	112
34	GEN	Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	112
34	GEN	HART CHEMICALS LTD.	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	WNW/133.5	-33.97	113
34	GEN	Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	113
34	GEN	HART CHEMICAL (SEE&USE ON0005299)	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	WNW/133.5	-33.97	115
34	GEN	HART CHEMICAL (SEE&USE ON0005299) 19-034	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	WNW/133.5	-33.97	115
34	PTTW	Nacan Products Limited	256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	115
34	PTTW	Nacan Products Ltd.	256 Victoria Road City of Guelph ON	WNW/133.5	-33.97	116
34	PTTW	Akzo Nobel Canada Inc.	Lot: 1, Concession: 2 256 Victoria Road South Guelph ON N1E 5R1	WNW/133.5	-33.97	116
34	SCT	HUNTSMAN CORPORATION CANADA	256 VICTORIA RD S GUELPH ON N1E 5R1	WNW/133.5	-33.97	11
34	SCT	Huntsman Corporation Canada Inc.	256 Victoria Rd S Guelph ON N1E 5R1	WNW/133.5	-33.97	117
34	SPL	HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	11
34	SPL	TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD S GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	11
34	SPL	HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	11
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	11
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	11
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	11
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	11
34	SPL	HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	WNW/133.5	-33.97	11
34	SPL	HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	WNW/133.5	-33.97	11
34	SPL	HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	WNW/133.5	-33.97	12

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
34	SPL	HART CHEMICALS	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HART CHEMICALS LTD.	256 VICTORIA RD. SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	122
34	SPL	HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	256 VICTORIA STREET GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HART CHEMICALS LTD.	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	CANADIAN PACIFIC RAILWAYS	256 VICTORIA TRAIN GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD. S. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	TEXACO CHEMICAL CANADA LTD.	GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HART CHEMICALS LTD.	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12
34	SPL	HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	WNW/133.5	-33.97	12

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
34	SPL	Polymer Distribution Inc.	256 Victoria Rd S 256 VICTORIA ROAD SOUTH Guelph ON N1E 5R1	WNW/133.5	-33.97	127
34	WDS	Polymer Distribution Inc.	256 Victoria Rd Guelph City ON	WNW/133.5	-33.97	127
34	WDS	Polymer Distribution Inc.	256 Victoria Rd Guelph City ON	WNW/133.5	-33.97	128
35	CHEM	HART CHEMICAL LIMITED	GUELPH ON	WNW/141.9	-33.97	12
35	EBR	Huntsman Corporation Canada	City of Guelph ON	WNW/141.9	-33.97	129
35	EBR	Huntsman Corporation Canada	City of Guelph ON	WNW/141.9	-33.97	129
35	GEN	Polymer Distribution Inc.	256 Victoria Road South Guelph ON	WNW/141.9	-33.97	129
35	NPRI	HUNTSMAN CORPORATION CANADA INC	256 Victoria Road South Guelph ON N1H6K8	WNW/141.9	-33.97	131
35	SPL	HART CHEMICALS	VICTORIA RD. GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	WNW/141.9	-33.97	13
35	WDS	Polymer Distribution Inc.	256 Victoria Rd Guelph City ON	WNW/141.9	-33.97	131
35	WWIS		GUELPH ON	WNW/141.9	-33.97	132
36	NPRI	MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	134
36	NPRI	MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	135
36	NPRI	MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	136
36	NPRI	Guelph Chemical Plant	Guelph ON	WNW/127.3	-33.97	137
36	NPRI	MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	139
36	NPRI	HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	140
36	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	140
36	NPRI	HUNTSMAN CORPORATION CANADA INC	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	142
36	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	143
36	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	144
36	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	146
36	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	148
36	NPRI	Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	149
36	NPRI	HUNTSMAN CORPORATION CANADA INC	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	149

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>36</u>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	<u>151</u>
<u>36</u>	NPRI	HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1H 6K8	WNW/127.3	-33.97	<u>153</u>
<u>36</u>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	<u>154</u>
<u>36</u>	NPRI	HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	WNW/127.3	-33.97	<u>156</u>
<u>36</u>	NPRI	MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	WNW/127.3	-33.97	<u>157</u>
<u>37</u>	BORE		ON	WNW/52.3	-33.91	<u>158</u>
<u>38</u>	BORE		ON	WNW/63.5	-33.66	<u>158</u>
<u>39</u>	BORE		ON	WNW/66.0	-33.12	<u>159</u>
<u>40</u>	SPL		555 Stone Road E Guelph ON	SE/204.1	-7.18	<u>159</u>
<u>41</u>	WWIS		ON	WNW/151.3	-33.87	<u>159</u>
<u>42</u>	WWIS		GUELPH ON	WNW/103.9	-32.97	<u>161</u>
<u>43</u>	WWIS		lot 1 con 9 ON	E/157.5	-32.35	<u>163</u>
<u>44</u>	WWIS		GUELPH ON	WNW/187.3	-31.97	<u>165</u>
<u>45</u>	WWIS		GUELPH ON	WNW/247.9	-31.97	<u>166</u>
<u>46</u>	WWIS		ON	WNW/229.3	-31.97	<u>168</u>
<u>47</u>	WWIS		ON	WNW/242.2	-31.97	<u>169</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2014 has found that there are 5 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	15.1	<u>29</u>
	ON	20.5	<u>30</u>
	ON	52.3	<u>37</u>
	ON	63.5	<u>38</u>
	ON	66.0	<u>39</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 29 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
TEXACO CHEMICAL CANADA	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HART CHEMICAL LTD.	256 VICTORIA RD.S. GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
Huntsman Corporation Canada Inc.	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
HART CHEMICAL COMPANY	256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
TEXACO CHEMICAL CANADA	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
HART CHEMICAL LIMITED	256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	133.5	<u>34</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
HART CHEMICAL LIMITED	256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	<u>34</u>

CHEM - Chemical Register

A search of the CHEM database, dated Oct 31, 2015 has found that there are 2 CHEM site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HUNTSMAN CORPORATION CANADA INC	256 VICTORIA RD S GUELPH ON N1E 5R1	133.5	<u>34</u>
HART CHEMICAL LIMITED	GUELPH ON	141.9	<u>35</u>

EBR - Environmental Registry

A search of the EBR database, dated 1994-Jan 2016 has found that there are 10 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	133.5	<u>34</u>
Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Road Guelph ON	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Road Guelph ON	133.5	<u>34</u>
Mayflower Properties (Guelph) Inc.	256 Victoria Road S Guelph ON N1E 5R1	133.5	<u>34</u>
Huntsman Corporation Canada	256 Victoria Road South City of Guelph ON N1E 5R1	133.5	<u>34</u>
Huntsman Corporation Canada	256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	133.5	<u>34</u>
Mayflower Properties (Guelph) Inc	256 Victoria Street South Guelph ON N1E 5R1	133.5	<u>34</u>
Huntsman Corporation Canada	City of Guelph ON	141.9	<u>35</u>
Huntsman Corporation Canada	City of Guelph ON	141.9	<u>35</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Jul 31, 2016 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
University of Guelph	328 Victoria Road South Lot 12 Division G Guelph ON N1L 0H2	0.0	<u>3</u>
Mayflower Properties (Guelph) Inc.	256 Victoria Rd S Guelph ON N1E 5R1	133.5	<u>34</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 2014 has found that there are 4 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	588 Stone Road East Guelph ON N1L 1B6	144.1	<u>21</u>
	588 Stone Road East Guelph ON N1L 1B6	144.1	<u>21</u>
	588 Stone Road East Guelph ON N1L 1B6	144.1	<u>21</u>
	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>

EXP - List of TSSA Expired Facilities

A search of the EXP database, dated Aug 31, 2016 has found that there are 2 EXP site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
BETTER BEEF LTD	781 YORK RD GUELPH ON N1E 6N1	238.0	<u>15</u>
BETTER BEEF LTD	781 YORK RD GUELPH ON N1E 6N1	238.0	<u>15</u>

FST - Fuel Storage Tank

A search of the FST database, dated Aug 31, 2016 has found that there are 1 FST site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
BETTER BEEF LTD	781 YORK RD GUELPH ON N1E 6N1	238.0	<u>15</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-May 2015 has found that there are 20 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
University of Guelph	328 Victoria Road South Guelph ON	0.0	<u>3</u>
University of Guelph Guelph Turfgrass Institute	328 Victoria Road South Guelph ON N1L 0H2	0.0	<u>3</u>
University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	0.0	<u>3</u>
University of Guelph	328 Victoria Road South Guelph ON N1L 0H2	0.0	<u>3</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
SNC-Lavalin Profac Inc.	588 Stone Road East Guelph ON N1L 1B6	144.1	<u>21</u>
Ministry of Public Safety and Security	588 Stone Road East Guelph ON N1L 1B6	144.1	<u>21</u>
HART CHEMICAL LTD	PO BOX 450 256 VICTORIA RD S GUELPLH ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA, INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	133.5	<u>34</u>
HUNTSMAN CORPORATION CANADA INC.	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	133.5	<u>34</u>
TEXACO CHE(SEE & USE ON1846500)	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	133.5	<u>34</u>
TEXACO CHE(SEE & USE ON1846500) 19-034	256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
HART CHEMICALS LTD.	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	133.5	<u>34</u>
Mayflower Properties (Guelph) Inc.	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
HART CHEMICAL (SEE&USE ON0005299)	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	133.5	<u>34</u>
HART CHEMICAL (SEE&USE ON0005299) 19-034	256 VICTORIA RD. S. GUELPLH ON N1E 5R1	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Road South Guelph ON	141.9	<u>35</u>

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated Dec 31, 2014 has found that there are 20 NPRI site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HUNTSMAN CORPORATION CANADA INC	256 Victoria Road South Guelph ON N1H6K8	141.9	<u>35</u>
MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>
MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>
Guelph Chemical Plant	Guelph ON	127.3	<u>36</u>
MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
Mayflower Properties (Guelph) Inc.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION Guelph	256 Victoria Road South Guelph ON N1H 6K8	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
HUNTSMAN CORPORATION CANADA INC.	256 Victoria Road South Guelph ON N1E 5R1	127.3	<u>36</u>
MAYFLOWER PROPERTIES (GUELPH) INC.	256 Victoria Road Guelph ON N1E5R1	127.3	<u>36</u>

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Jan 2016 has found that there are 3 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Nacan Products Limited	256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>
Akzo Nobel Canada Inc.	Lot: 1, Concession: 2 256 Victoria Road South Guelph ON N1E 5R1	133.5	<u>34</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Nacan Products Ltd.	256 Victoria Road City of Guelph ON	133.5	34

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 2 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HUNTSMAN CORPORATION CANADA	256 VICTORIA RD S GUELPH ON N1E 5R1	133.5	34
Huntsman Corporation Canada Inc.	256 Victoria Rd S Guelph ON N1E 5R1	133.5	34

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2015 has found that there are 32 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	133.5	34
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	133.5	34
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	133.5	34
HART CHEMICALS	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	133.5	34
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	133.5	34
HART CHEMICALS LTD.	256 VICTORIA RD. SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	133.5	34

Site	Address	Distance (m)	Map Key
HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	256 VICTORIA STREET GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HART CHEMICALS LTD.	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	133.5	34
TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	133.5	34
HART CHEMICALS	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	133.5	34
CANADIAN PACIFIC RAILWAYS	256 VICTORIA TRAIN GUELPH CITY ON N1E 5R1	133.5	34
TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD. S. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
TEXACO CHEMICAL CANADA LTD.	GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HART CHEMICALS LTD.	GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON	133.5	34
Polymer Distribution Inc.	256 Victoria Rd S 256 VICTORIA ROAD SOUTH Guelph ON N1E 5R1	133.5	34
TEXACO CHEMICAL CANADA LTD.	256 VICTORIA RD S GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HUNTSMAN CORP	256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	133.5	34
HART CHEMICALS	VICTORIA RD. GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	141.9	35
	555 Stone Road E Guelph ON	204.1	40

WDS - Waste Disposal Sites - MOE CA Inventory

A search of the WDS database, dated Jul 31, 2016 has found that there are 3 WDS site(s) within approximately 0.25 kilometers of the project property.

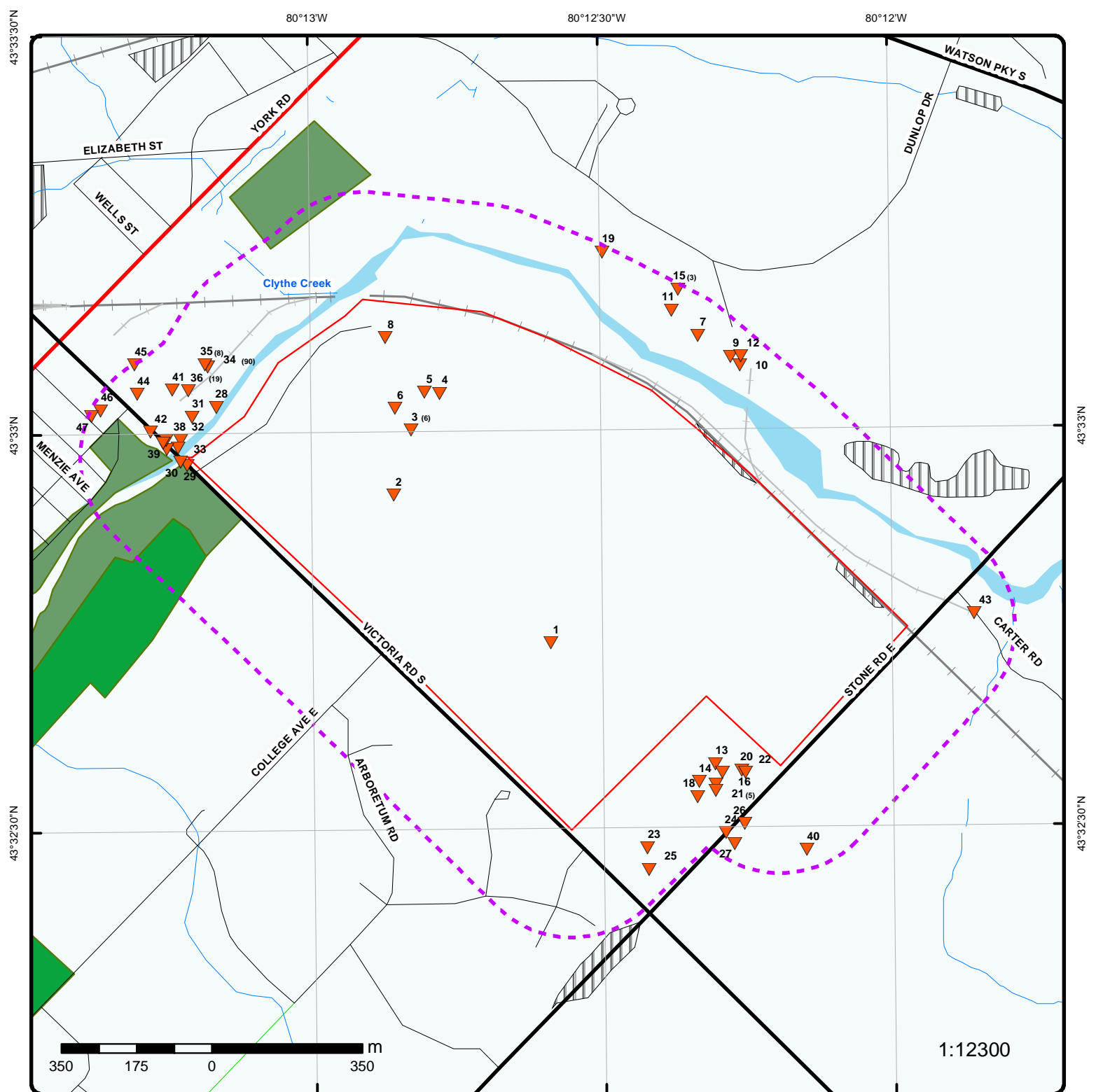
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Polymer Distribution Inc.	256 Victoria Rd Guelph City ON	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Rd Guelph City ON	133.5	<u>34</u>
Polymer Distribution Inc.	256 Victoria Rd Guelph City ON	141.9	<u>35</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Jun 30, 2016 has found that there are 37 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Guelph ON	0.0	<u>1</u>
	GUELPH ON	0.0	<u>2</u>
	lot 12 con 2 ON	0.0	<u>3</u>
	ON	0.0	<u>4</u>
	ON	0.0	<u>5</u>
	lot 12 con 2 ON	0.0	<u>6</u>
	Guelph ON	167.3	<u>7</u>
	lot 2 con 2 ON	0.0	<u>8</u>
	Guelph ON	178.9	<u>9</u>
	GUELPH ON	177.1	<u>10</u>
	ON	187.3	<u>11</u>
	Guelph ON	195.9	<u>12</u>
	ON	99.9	<u>13</u>
	Guelph ON	129.0	<u>14</u>
	lot 1 con 1 ON	104.2	<u>16</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Guelph ON	134.4	<u>17</u>
	GUELPH ON	151.0	<u>18</u>
	GUELPH ON	234.8	<u>19</u>
	ON	68.6	<u>20</u>
	ON	66.8	<u>22</u>
	Guelph ON	153.7	<u>23</u>
	lot 1 con 9 ON	200.1	<u>24</u>
	Guelph ON	191.2	<u>25</u>
	ON	157.7	<u>26</u>
	lot 1 con 9 ON	209.4	<u>27</u>
	ON	56.9	<u>28</u>
	ON	73.4	<u>31</u>
	ON	43.1	<u>32</u>
	GELPH ON	32.0	<u>33</u>
	GUELPH ON	141.9	<u>35</u>
	ON	151.3	<u>41</u>
	GUELPH ON	103.9	<u>42</u>
	lot 1 con 9 ON	157.5	<u>43</u>
	GUELPH ON	187.3	<u>44</u>
	GUELPH ON	247.9	<u>45</u>
	ON	229.3	<u>46</u>
	ON	242.2	<u>47</u>



Map

Address: 238 Victoria Rd S, Guelph, ON, N1E5R1

Order No: 20160926026



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



Aerial

Address: 238 Victoria Rd S, Guelph, ON, N1E5R1

Source: ESRI World Imagery

Order No: 20160926026

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



© Ecolog ERIS Ltd

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
1	1 of 1	-/0.0	343.0	Guelph ON	WWIS
Well ID:		7177205	Lot:		
Construction Date:			Concession:		
Primary Water Use:		Monitoring	Concession Name:		
Sec. Water Use:			Easting NAD83:		
Final Well Status:		Observation Wells	Northing NAD83:		
Specific Capacity:			Zone:		
Municipality:		GUELPH TOWNSHIP	UTM Reliability:		
County:		WELLINGTON			
Bore Hole Information					
--		--			
Bore Hole ID:		1003702466			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		14-SEP-11			
Remarks:					
Zone:		17			
East 83:		563832			
North 83:		4821703			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock					
Materials Interval					
--		--			
Formation ID:		1004157865			
Layer:		1			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		FINE SAND			
Other Materials:		TOPSOIL			
Formation Top Depth:		0			
Formation End Depth:		1			
Formation End Depth UOM:		m			
--		--			
Formation ID:		1004157866			
Layer:		2			
General Color:		BROWN			
Most Common Material:					
Other Materials:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:					
Formation Top Depth:	1				
Formation End Depth:	5.8				
Formation End Depth UOM:	m				
--	--				
Formation ID:	1004157867				
Layer:	3				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	MEDIUM SAND				
Other Materials:					
Formation Top Depth:	5.8				
Formation End Depth:	7				
Formation End Depth UOM:	m				
--	--				
Formation ID:	1004157868				
Layer:	4				
General Color:	BROWN				
Most Common Material:	GRAVEL				
Other Materials:					
Other Materials:					
Formation Top Depth:	7				
Formation End Depth:	7.4				
Formation End Depth UOM:	m				
--	--				
Formation ID:	1004157869				
Layer:	5				
General Color:	BROWN				
Most Common Material:	GRANITE				
Other Materials:	BOULDERS				
Other Materials:					
Formation Top Depth:	7.4				
Formation End Depth:	7.6				
Formation End Depth UOM:	m				
--	--				
Formation ID:	1004157870				
Layer:	6				
General Color:	BROWN				
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:	7.6				
Formation End Depth:	13.5				
Formation End Depth UOM:	m				
--	--				
Formation ID:	1004157871				
Layer:	7				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	FINE SAND				
Other Materials:	SILT				
Formation Top Depth:	13.5				
Formation End Depth:	15				
Formation End Depth UOM:	m				
--	--				
Formation ID:	1004157872				
Layer:	8				
General Color:	BROWN				
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:	15				
Formation End Depth:	19				
Formation End Depth UOM:	m				
--	--				
Formation ID:	1004157873				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:		9			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:		ROCK			
Other Materials:					
Formation Top Depth:		19			
Formation End Depth:		23			
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1004157881			
Layer:		1			
Plug From:					
Plug To:					
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1004157880			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:		SONIC			
--		--			
Pipe Information					
--		--			
Pipe ID:		1004157864			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1004157877			
Layer:		1			
Open Hole or Material:					
Depth From:		0			
Depth To:		36			
Casing Diameter:		.6			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1004157878			
Layer:		1			
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:		1			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5			
--		--			
Hole Diameter					
--		--			
Hole ID:		1004157874			
Diameter:		15			
Depth From:		0			
Depth To:		20			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Hole ID: 1004157875 Diameter: 10 Depth From: 20 Depth To: 23 Hole Depth UOM: m Hole Diameter UOM: cm -- --					
2	1 of 1	-0.0	334.4	GUELPH ON	WWIS
Well ID: 7036265 Construction Date: Primary Water Use: Not Used Sec. Water Use: Final Well Status: Observation Wells Specific Capacity: Municipality: GUELPH TOWNSHIP County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Bore Hole Information					
-- Bore Hole ID: 11760995 DP2BR: Code OB: o Code OB Description: Overburden Open Hole: Date Completed: 29-SEP-06 Remarks: Zone: 17 East 83: 563466 North 83: 4822047 UTMRC: 3 UTMRC Description: margin of error : 10 - 30 m Location Method: wwr Org CS: UTM83 Elevation: 334.23 Elevrc: Elevrc Description: Location Source Date: Source Revision Comment: Improvement Location Source: Improvement Location Method: Supplier Comment: Spatial Status: --					
Overburden and Bedrock					
Materials Interval					
-- Formation ID: 933085133 Layer: 1 General Color: BROWN Most Common Material: SILT Other Materials: STONES Other Materials: Formation Top Depth: 0 Formation End Depth: 3 Formation End Depth UOM: m --					
-- Formation ID: 933085134 Layer: 2 General Color: BROWN Most Common Material: SILT Other Materials: STONES					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:					
Formation Top Depth:	3				
Formation End Depth:	5.3				
Formation End Depth UOM:	m				
--	--				
Annular Space/Abandonment Sealing Record					
--	--				
Plug ID:	933310104				
Layer:	1				
Plug From:	0				
Plug To:	2				
Plug Depth UOM:	m				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	967036265				
Method Construction Code:	6				
Method Construction:	Boring				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	11768685				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	930893190				
Layer:	1				
Open Hole or Material:	PLASTIC				
Depth From:	0				
Depth To:	2.3				
Casing Diameter:	5				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
--	--				
--	--				
Construction Record - Screen					
--	--				
Screen ID:	933422195				
Layer:	1				
Slot:	10				
Screen Top Depth:	2.3				
Screen End Depth:	5.3				
Screen Material:	5				
Screen Depth UOM:	m				
Screen Diameter UOM:	cm				
Screen Diameter:	5				
--	--				
Hole Diameter					
--	--				
Hole ID:	11846893				
Diameter:	20				
Depth From:	0				
Depth To:	5.3				
Hole Depth UOM:	m				
Hole Diameter UOM:	cm				
--	--				
--	--				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	1 of 6	-/0.0	341.0	University of Guelph 328 Victoria Road South Lot 12 Division G Guelph ON N1L 0H2	ECA
Record Type: PDF URL: Full Address: CofA Number: 4272-8LUQW8 Date: 11/23/2011 Status: Approved Project Type: Municipal and Private Sewage					
3	2 of 6	-/0.0	341.0	University of Guelph 328 Victoria Road South Guelph ON	GEN
Generator #: ON9418514 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					
3	3 of 6	-/0.0	341.0	University of Guelph 328 Victoria Road South Guelph ON N1L 0H2	GEN
Generator #: ON9418514 Approval Yrs: 2011 SIC Code: 611310 SIC Description:					
3	4 of 6	-/0.0	341.0	University of Guelph Guelph Turfgrass Institute 328 Victoria Road South Guelph ON N1L 0H2	GEN
Generator #: ON9418514 Approval Yrs: As of May 2015 SIC Code: SIC Description: --- Details --- Waste Code: 252 Waste Description: Waste crankcase oils and lubricants + Waste Code: 221 Waste Description: Light fuels					
3	5 of 6	-/0.0	341.0	University of Guelph 328 Victoria Road South Guelph ON N1L 0H2	GEN
Generator #: ON9418514 Approval Yrs: 2012 SIC Code: 611310 SIC Description: Universities					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
3	6 of 6	-/0.0	341.0	lot 12 con 2 ON	WWIS
<div> <div> Well ID: 6711142 Construction Date: Primary Water Use: Commerical Sec. Water Use: Cooling And A/C Final Well Status: Water Supply Specific Capacity: Municipality: GUELPH TOWNSHIP County: WELLINGTON </div> <div> Lot: 012 Concession: 02 Concession Name: CON Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
Bore Hole Information					
--					
Bore Hole ID: 10474978					
DP2BR: 51					
Code OB: r					
Code OB Description: Bedrock					
Open Hole:					
Date Completed: 20-JUL-92					
Remarks:					
Zone: 17					
East 83: 563506.3					
North 83: 4822198					
UTMRC: 3					
UTMRC Description: margin of error : 10 - 30 m					
Location Method: gps					
Org CS:					
Elevation: 340.91					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock					
Materials Interval					
--					
Formation ID: 932651147					
Layer: 1					
General Color: BROWN					
Most Common Material: SAND					
Other Materials: STONES					
Other Materials: BOULDERS					
Formation Top Depth: 0					
Formation End Depth: 10					
Formation End Depth UOM: ft					
--					
Formation ID: 932651148					
Layer: 2					
General Color: BROWN					
Most Common Material: CLAY					
Other Materials: STONES					
Other Materials: BOULDERS					
Formation Top Depth: 10					
Formation End Depth: 51					
Formation End Depth UOM: ft					
--					
Formation ID: 932651149					
Layer: 3					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
General Color:		BROWN			
Most Common Material:		DOLOMITE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		51			
Formation End Depth:		82			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651150			
Layer:		4			
General Color:		BROWN			
Most Common Material:		LIMESTONE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		82			
Formation End Depth:		141			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651151			
Layer:		5			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:		POROUS			
Other Materials:		HARD			
Formation Top Depth:		141			
Formation End Depth:		223			
Formation End Depth UOM:		ft			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933210310			
Layer:		1			
Plug From:		0			
Plug To:		54			
Plug Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966711142			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11023548			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930773582			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		59			
Casing Diameter:		10			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930773583			
Layer:		2			
Open Hole or Material:		OPEN HOLE			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Depth From:					
Depth To:		223			
Casing Diameter:		10			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996711142			
Pump Set At:					
Static Level:		105			
Final Level After Pumping:		150			
Recommended Pump Depth:		168			
Pumping Rate:		100			
Flowing Rate:					
Recommended Pump Rate:		150			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		14			
Pumping Duration MIN:					
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		935134492			
Pump Test ID:		996711142			
Test Type:		Recovery			
Test Duration:		60			
Test Level:		100			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933964979			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		141			
Water Found Depth UOM:		ft			
--		--			
--		--			

4

1 of 1

-/0.0

337.5

ON

WWIS

Well ID:	6711140	Lot:	
Construction Date:		Concession:	
Primary Water Use:	Not Used	Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Abandoned-Supply	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	GUELPH CITY	UTM Reliability:	
County:	WELLINGTON		

Bore Hole Information

--	--
Bore Hole ID:	10474976
DP2BR:	51
Code OB:	r
Code OB Description:	Bedrock
Open Hole:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Date Completed:		20-MAY-92			
Remarks:					
Zone:		17			
East 83:		563573.3			
North 83:		4822283			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		gps			
Org CS:					
Elevation:		339.43			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932651137			
Layer:		1			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		STONES			
Other Materials:		BOULDERS			
Formation Top Depth:		0			
Formation End Depth:		10			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651138			
Layer:		2			
General Color:		BROWN			
Most Common Material:		CLAY			
Other Materials:		STONES			
Other Materials:		BOULDERS			
Formation Top Depth:		10			
Formation End Depth:		51			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651139			
Layer:		3			
General Color:		BROWN			
Most Common Material:		DOLOMITE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		51			
Formation End Depth:		82			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651140			
Layer:		4			
General Color:		BROWN			
Most Common Material:		LIMESTONE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		82			
Formation End Depth:		141			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651141			
Layer:		5			
General Color:		GREY			
Most Common Material:		LIMESTONE			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:		HARD			
Other Materials:		POROUS			
Formation Top Depth:		141			
Formation End Depth:		223			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966711140			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11023546			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930773578			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		51			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930773579			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		223			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996711140			
Pump Set At:					
Static Level:		105			
Final Level After Pumping:		120			
Recommended Pump Depth:					
Pumping Rate:		25			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:					
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934612953			
Pump Test ID:		996711140			
Test Type:					
Test Duration:		30			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Test Level:		105			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933964977			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		141			
Water Found Depth UOM:		ft			
--		--			
--		--			

5	1 of 1	-/0.0	337.2	ON	WWIS
Well ID:	6711141			Lot:	
Construction Date:				Concession:	
Primary Water Use:	Not Used			Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Abandoned-Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	10474977				
DP2BR:	46				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	20-MAY-92				
Remarks:					
Zone:	17				
East 83:	563537.3				
North 83:	4822286				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	gps				
Org CS:					
Elevation:	338				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	932651142				
Layer:	1				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	STONES				
Other Materials:	BOULDERS				
Formation Top Depth:	0				
Formation End Depth:	5				
Formation End Depth UOM:	ft				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Formation ID:		932651143			
Layer:		2			
General Color:		BROWN			
Most Common Material:		CLAY			
Other Materials:		SILT			
Other Materials:		STONES			
Formation Top Depth:		5			
Formation End Depth:		46			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651144			
Layer:		3			
General Color:		BROWN			
Most Common Material:		DOLOMITE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		46			
Formation End Depth:		65			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651145			
Layer:		4			
General Color:		BROWN			
Most Common Material:		LIMESTONE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		65			
Formation End Depth:		132			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651146			
Layer:		5			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:		HARD			
Other Materials:		POROUS			
Formation Top Depth:		132			
Formation End Depth:		209			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966711141			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11023547			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930773580			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		46			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Casing ID:		930773581			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		209			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996711141			
Pump Set At:					
Static Level:		104			
Final Level After Pumping:		120			
Recommended Pump Depth:					
Pumping Rate:		25			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:					
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934612954			
Pump Test ID:		996711141			
Test Type:		Recovery			
Test Duration:		30			
Test Level:		104			
Test Level UOM:		ft			
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--		--			
Water Details					
--		--			
Water ID:		933964978			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		132			
Water Found Depth UOM:		ft			
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<u>6</u>	1 of 1	-0.0	339.0	lot 12 con 2 ON	WWIS
Well ID:	6711143			Lot:	012
Construction Date:				Concession:	02
Primary Water Use:	Cooling And A/C			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Recharge Well			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH TOWNSHIP			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	10474979				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
DP2BR:		46			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		20-JUL-92			
Remarks:					
Zone:		17			
East 83:		563469.3			
North 83:		4822248			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		gps			
Org CS:					
Elevation:		339.34			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932651152			
Layer:		1			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		STONES			
Other Materials:		BOULDERS			
Formation Top Depth:		0			
Formation End Depth:		5			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651153			
Layer:		2			
General Color:		BROWN			
Most Common Material:		CLAY			
Other Materials:		STONES			
Other Materials:		BOULDERS			
Formation Top Depth:		5			
Formation End Depth:		46			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651154			
Layer:		3			
General Color:		BROWN			
Most Common Material:		DOLOMITE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		46			
Formation End Depth:		65			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932651155			
Layer:		4			
General Color:		BROWN			
Most Common Material:		LIMESTONE			
Other Materials:		HARD			
Other Materials:					
Formation Top Depth:		65			
Formation End Depth:		132			
Formation End Depth UOM:		ft			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation ID:		932651156			
Layer:		5			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:		POROUS			
Other Materials:		HARD			
Formation Top Depth:		132			
Formation End Depth:		209			
Formation End Depth UOM:		ft			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933210311			
Layer:		1			
Plug From:		0			
Plug To:		49			
Plug Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966711143			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11023549			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930773584			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		52			
Casing Diameter:		10			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930773585			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		209			
Casing Diameter:		9			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996711143			
Pump Set At:					
Static Level:		104			
Final Level After Pumping:		150			
Recommended Pump Depth:					
Pumping Rate:		100			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	14				
Pumping Duration MIN:					
Flowing:	N				
--	--				
Draw Down & Recovery					
--	--				
Pump Test Detail ID:	935134493				
Pump Test ID:	996711143				
Test Type:					
Test Duration:	60				
Test Level:	100				
Test Level UOM:	ft				
--	--				
--	--				
Water Details					
--	--				
Water ID:	933964980				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	132				
Water Found Depth UOM:	ft				
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8	1 of 1	-/0.0	319.7	lot 2 con 2 ON	WWIS
<hr/>					
Well ID:	6701021			Lot:	002
Construction Date:				Concession:	02
Primary Water Use:	Domestic			Concession Name:	DIV C
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY (GUELPH TWP)			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	10465167				
DP2BR:	42				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	13-JAN-49				
Remarks:					
Zone:	17				
East 83:	563446.3				
North 83:	4822413				
UTMRC:	9				
UTMRC Description:	unknown UTM				
Location Method:	p9				
Org CS:					
Elevation:	319.82				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:		932607266			
Layer:		1			
General Color:					
Most Common Material:		CLAY			
Other Materials:		STONES			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		6			
Formation End Depth UOM:		ft			
--	--				
Formation ID:		932607267			
Layer:		2			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		6			
Formation End Depth:		13			
Formation End Depth UOM:		ft			
--	--				
Formation ID:		932607268			
Layer:		3			
General Color:					
Most Common Material:		HARDPAN			
Other Materials:					
Other Materials:					
Formation Top Depth:		13			
Formation End Depth:		42			
Formation End Depth UOM:		ft			
--	--				
Formation ID:		932607269			
Layer:		4			
General Color:		BROWN			
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		42			
Formation End Depth:		68			
Formation End Depth UOM:		ft			
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:		966701021			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:		11013737			
Casing Number:		1			
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:		930756095			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		44			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930756096			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		68			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996701021			
Pump Set At:					
Static Level:		42			
Final Level After Pumping:		50			
Recommended Pump Depth:					
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933953210			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		66			
Water Found Depth UOM:		ft			
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[7](#)

1 of 1

NE/167.3

313.9

Guelph ON

WWIS

Well ID:	7124109	Lot:	
Construction Date:		Concession:	
Primary Water Use:		Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Abandoned-Other	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	GUELPH CITY	UTM Reliability:	
County:	WELLINGTON		
Bore Hole Information			
--	--		
Bore Hole ID:	1002471603		
DP2BR:			
Code OB:			
Code OB Description:			
Open Hole:			
Date Completed:	28-APR-09		
Remarks:			
Zone:	17		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
East 83:		564173			
North 83:		4822418			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		314.77			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:		1002617426			
Layer:					
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		m			
--	--				
Annular Space/Abandonment Sealing Record					
--	--				
Plug ID:		1002617428			
Layer:		1			
Plug From:		0			
Plug To:		3			
Plug Depth UOM:		m			
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:		1002617432			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:		1002617425			
Casing Number:		0			
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:		1002617430			
Layer:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--	--				
--	--				
Construction Record - Screen					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Screen ID:		1002617431			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002617427			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
9	1 of 1	NE/178.9	314.9	Guelph ON	WWIS
Well ID:	7124112			Lot:	
Construction Date:				Concession:	
Primary Water Use:				Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Abandoned-Other			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--		--			
Bore Hole ID:	1002471612				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	28-APR-09				
Remarks:					
Zone:	17				
East 83:	564249				
North 83:	4822369				
UTMRC:	4				
UTMRC Description:	margin of error : 30 m - 100 m				
Location Method:	wwr				
Org CS:	UTM83				
Elevation:	314.46				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock					
Materials Interval					
--		--			
Formation ID:	1002617525				
Layer:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment					
Sealing Record					
--		--			
Plug ID:		1002617527			
Layer:		1			
Plug From:		0			
Plug To:		4.5			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well					
Use					
--		--			
Method Construction ID:		1002617531			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		1002617524			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002617529			
Layer:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002617530			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:					
--		--			
Hole Diameter					
--		--			
Hole ID:		1002617526			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
10	1 of 1	NE/177.1	314.6	GUELPH ON	WWIS
<div> <div> Well ID: 6715406 Construction Date: Primary Water Use: Not Used Sec. Water Use: Final Well Status: Test Hole Specific Capacity: Municipality: GUELPH CITY County: WELLINGTON </div> <div> Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
Bore Hole Information					
--					
Bore Hole ID: 11327192					
DP2BR: 15					
Code OB: r					
Code OB Description: Bedrock					
Open Hole:					
Date Completed: 31-MAY-05					
Remarks:					
Zone: 17					
East 83: 564270					
North 83: 4822349					
UTMRC:					
UTMRC Description:					
Location Method: wwr					
Org CS: UTM83					
Elevation: 313.28					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock					
Materials Interval					
--					
Formation ID: 933035228					
Layer: 1					
General Color:					
Most Common Material: FILL					
Other Materials: SAND					
Other Materials: GRAVEL					
Formation Top Depth: 0					
Formation End Depth: 1.5					
Formation End Depth UOM: m					
--					
Formation ID: 933035229					
Layer: 2					
General Color: BROWN					
Most Common Material: GRAVEL					
Other Materials: SAND					
Other Materials: LOOSE					
Formation Top Depth: 1.5					
Formation End Depth: 4.5					
Formation End Depth UOM: m					
--					
Formation ID: 933035230					
Layer: 3					
General Color: GREY					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		4.5			
Formation End Depth:		4.5			
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933273542			
Layer:		1			
Plug From:		0			
Plug To:		1.4			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966715406			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11342047			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930871983			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		1.5			
Casing Diameter:		5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933413796			
Layer:		1			
Slot:		10			
Screen Top Depth:		1.5			
Screen End Depth:		4.5			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.4			
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Hole Diameter					
--		--			
Hole ID:		11548113			
Diameter:		21			
Depth From:		0			
Depth To:		4.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
11	1 of 1	NNE/187.3	312.8	ON	WWIS
<div> <div> Well ID: 7195893 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Specific Capacity: Municipality: GUELPH CITY County: WELLINGTON </div> <div> Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
Bore Hole Information -- -- Bore Hole ID: 1004242905 DP2BR: Code OB: Code OB Description: Open Hole: Date Completed: 20-DEC-12 Remarks: Zone: 17 East 83: 564111 North 83: 4822477 UTMRC: 3 UTMRC Description: margin of error : 10 - 30 m Location Method: wwr Org CS: UTM83 Elevation: Elevrc: Elevrc Description: Location Source Date: Source Revision Comment: Improvement Location Source: Improvement Location Method: Supplier Comment: Spatial Status: -- -- -- --					
12	1 of 1	NE/195.9	316.0	Guelph ON	WWIS
<div> <div> Well ID: 7124108 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Abandoned-Other Specific Capacity: Municipality: GUELPH CITY County: WELLINGTON </div> <div> Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
Bore Hole Information -- -- Bore Hole ID: 1002471600 DP2BR: Code OB: Code OB Description: Open Hole: Date Completed: 28-APR-09 Remarks: Zone: 17 East 83: 564273 North 83: 4822371					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		314.57			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		1002617385			
Layer:					
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1002617387			
Layer:		1			
Plug From:		0			
Plug To:		4.5			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1002617391			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
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Pipe Information					
--		--			
Pipe ID:		1002617384			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1002617389			
Layer:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1002617390			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: m Screen Diameter UOM: cm Screen Diameter: -- Hole Diameter -- Hole ID: 1002617386 Diameter: Depth From: Depth To: Hole Depth UOM: m Hole Diameter UOM: cm -- --					
13	1 of 1	SE/99.9	338.9	ON	WWIS
Well ID: 6707181 Construction Date: Primary Water Use: Public Sec. Water Use: Final Well Status: Water Supply Specific Capacity: Municipality: GUELPH CITY County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Bore Hole Information					
--					
Bore Hole ID: 10471243					
DP2BR: 34					
Code OB: r					
Code OB Description: Bedrock					
Open Hole:					
Date Completed: 24-APR-79					
Remarks:					
Zone: 17					
East 83: 564214.3					
North 83: 4821423					
UTMRC: 5					
UTMRC Description: margin of error : 100 m - 300 m					
Location Method: p5					
Org CS:					
Elevation: 338.96					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock					
Materials Interval					
--					
Formation ID: 932634394					
Layer: 1					
General Color:					
Most Common Material: SAND					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		28			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932634395			
Layer:		2			
General Color:					
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		28			
Formation End Depth:		34			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932634396			
Layer:		3			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		34			
Formation End Depth:		205			
Formation End Depth UOM:		ft			
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Method of Construction & Well Use					
--		--			
Method Construction ID:		966707181			
Method Construction Code:		5			
Method Construction:		Air Percussion			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11019813			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930766840			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		44			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930766841			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		205			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996707181			
Pump Set At:					
Static Level:		70			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Final Level After Pumping:		130			
Recommended Pump Depth:		200			
Pumping Rate:		70			
Flowing Rate:					
Recommended Pump Rate:		50			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		24			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934345889			
Pump Test ID:		996707181			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		70			
Test Level UOM:		ft			
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--		--			
Water Details					
--		--			
Water ID:		933960293			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		151			
Water Found Depth UOM:		ft			
--		--			
Water ID:		933960294			
Layer:		2			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		158			
Water Found Depth UOM:		ft			
--		--			
Water ID:		933960295			
Layer:		3			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		160			
Water Found Depth UOM:		ft			
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14	1 of 1	SSE/129.0	338.7	Guelph ON	WWIS
<hr/>					
Well ID:	7147853			Lot:	
Construction Date:				Concession:	
Primary Water Use:	Monitoring			Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Test Hole			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	1003323468				
DP2BR:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		25-JUN-10			
Remarks:					
Zone:		17			
East 83:		564176			
North 83:		4821381			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		338.72			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1003323472			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1003323471			
Method Construction Code:					
Method Construction:					
Other Method Construction:		AUGER			
--		--			
Pipe Information					
--		--			
Pipe ID:		1003323473			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1003323475			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		7.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
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--		--			
Construction Record - Screen					
--		--			
Screen ID:		1003323474			
Layer:					
Slot:					
Screen Top Depth:		7.6			
Screen End Depth:		10.6			
Screen Material:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:		--			
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Well Yield Testing		--			
--		--			
Pump Test ID:		1003323476			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		--			
--		--			
Hole Diameter		--			
--		--			
Hole ID:		1003323470			
Diameter:		21			
Depth From:					
Depth To:		10.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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Bore Hole ID:		1003323459			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		25-JUN-10			
Remarks:					
Zone:		17			
East 83:		564195			
North 83:		4821393			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		338.56			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:		--			
--		--			
Annular Space/Abandonment					
Sealing Record		--			
--		--			
Plug ID:		1003323463			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:		--			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Method of Construction & Well Use					
--	--				
Method Construction ID:		1003323462			
Method Construction Code:					
Method Construction:					
Other Method Construction:		AUGER			
--	--				
Pipe Information					
--	--				
Pipe ID:		1003323464			
Casing Number:		0			
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:		1003323466			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		7.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
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--	--				
Construction Record - Screen					
--	--				
Screen ID:		1003323465			
Layer:					
Slot:					
Screen Top Depth:		7.6			
Screen End Depth:		10.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:					
--	--				
Well Yield Testing					
--	--				
Pump Test ID:		1003323467			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:					
--	--				
Hole Diameter					
--	--				
Hole ID:		1003323461			
Diameter:		21			
Depth From:					
Depth To:		10.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
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Bore Hole ID:		1003323450			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		26-JUN-10			
Remarks:					
Zone:		17			
East 83:		564183			
North 83:		4821401			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		339.26			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1003323454			
Layer:					
Plug From:					
Plug To:					
Plug Depth UOM:					
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1003323453			
Method Construction Code:					
Method Construction:					
Other Method Construction:		AUGER			
--		--			
Pipe Information					
--		--			
Pipe ID:		1003323455			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1003323457			
Layer:					
Open Hole or Material:		PLASTIC			
Depth From:					
Depth To:		7.6			
Casing Diameter:					
Casing Diameter UOM:					
Casing Depth UOM:		m			
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--		--			
Construction Record - Screen					
--		--			
Screen ID:		1003323456			
Layer:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Slot:					
Screen Top Depth:		7.6			
Screen End Depth:		10.6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:					
Screen Diameter:		--			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		1003323458			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:					
Rate UOM:					
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:					
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		--			
--		--			
Hole Diameter					
--		--			
Hole ID:		1003323452			
Diameter:		21			
Depth From:					
Depth To:		10.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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--		--			
Bore Hole ID:		1003106899			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		24-JUN-10			
Remarks:					
Zone:		17			
East 83:		564183			
North 83:		4821401			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		339.26			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:		--			
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Overburden and Bedrock					
Materials Interval					
--		--			
Formation ID:		1003323478			
Layer:		1			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
General Color:		BROWN			
Most Common Material:		GRAVEL			
Other Materials:		SAND			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		7.6			
Formation End Depth UOM:		m			
--		--			
Formation ID:		1003323479			
Layer:		2			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		SILT			
Other Materials:		STONES			
Formation Top Depth:		7.6			
Formation End Depth:		10.6			
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1003323481			
Layer:		1			
Plug From:		0			
Plug To:		.3			
Plug Depth UOM:		m			
--		--			
Plug ID:		1003323482			
Layer:		2			
Plug From:		.3			
Plug To:		6.6			
Plug Depth UOM:		m			
--		--			
Plug ID:		1003323483			
Layer:		3			
Plug From:		6.6			
Plug To:		10.6			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1003323487			
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		1003323477			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1003323484			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		10.6			
Casing Diameter:		5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Construction Record - Screen					
--	--	--	--	--	--
Screen ID:		1003323485			
Layer:		1			
Slot:		10			
Screen Top Depth:					
Screen End Depth:					
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.4			
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Hole Diameter					
--	--	--	--	--	--
Hole ID:		1003323480			
Diameter:		21			
Depth From:		0			
Depth To:		10.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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15	1 of 3	NNE/238.0	315.8	BETTER BEEF LTD 781 YORK RD GUELPH ON N1E 6N1	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		12/6/1990			
Instance Number:		10772087			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		Fuels Safety Private Fuel Outlet - Self Serve			
15	2 of 3	NNE/238.0	315.8	BETTER BEEF LTD 781 YORK RD GUELPH ON N1E 6N1	EXP
Instance ID:					
TSSA Program Area:					
Maximum Hazard Rank:					
Facility Type:		FS Liquid Fuel Tank			
Expired Date:		12/6/1990			
Instance Number:		10772069			
Instance Type:		FS Liquid Fuel Tank			
Status:		EXPIRED			
Description:		Fuels Safety Private Fuel Outlet - Self Serve			
15	3 of 3	NNE/238.0	315.8	BETTER BEEF LTD 781 YORK RD GUELPH ON N1E 6N1	FST
Instance Number:		11404681			
Cont Name:					
Instance Type:		FS Liquid Fuel Tank			
Fuel Type:		Gasoline			
Status:		Active			
Capacity:		2200			
Tank Material:		Steel			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Corrosion Protection:		Painted			
Tank Type:		Double Wall Horizontal AST			
Install Year:		2004			
Parent Facility Type:		Fuels Safety Private Fuel Outlet - Self Serve			
Facility Type:		FS Liquid Fuel Tank			
16	1 of 1	SE/104.2	338.0	lot 1 con 1 ON	WWIS
Well ID:		6701014		Lot:	001
Construction Date:				Concession:	01
Primary Water Use:		Public		Concession Name:	DIV C
Sec. Water Use:				Easting NAD83:	
Final Well Status:		Water Supply		Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:		GUELPH CITY (GUELPH TWP)		UTM Reliability:	
County:		WELLINGTON			
Bore Hole Information					
--		--			
Bore Hole ID:		10465160			
DP2BR:		42			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		20-MAR-57			
Remarks:					
Zone:		17			
East 83:		564230.3			
North 83:		4821402			
UTMRC:		9			
UTMRC Description:		unknown UTM			
Location Method:		p9			
Org CS:					
Elevation:		338.14			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
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Overburden and Bedrock Materials Interval					
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Formation ID:		932607245			
Layer:		1			
General Color:					
Most Common Material:		TOPSOIL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		2			
Formation End Depth UOM:		ft			
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Formation ID:		932607246			
Layer:		2			
General Color:					
Most Common Material:		MEDIUM SAND			
Other Materials:		BOULDERS			
Other Materials:					
Formation Top Depth:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth:		18			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932607247			
Layer:		3			
General Color:					
Most Common Material:		MEDIUM SAND			
Other Materials:		CLAY			
Other Materials:					
Formation Top Depth:		18			
Formation End Depth:		42			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932607248			
Layer:		4			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		42			
Formation End Depth:		120			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932607249			
Layer:		5			
General Color:					
Most Common Material:		SHALE			
Other Materials:					
Other Materials:					
Formation Top Depth:		120			
Formation End Depth:		128			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932607250			
Layer:		6			
General Color:					
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		128			
Formation End Depth:		201			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966701014			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11013730			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930756081			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		52			
Casing Diameter:		8			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930756082			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		128			
Casing Diameter:		8			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996701014			
Pump Set At:					
Static Level:		35			
Final Level After Pumping:		170			
Recommended Pump Depth:					
Pumping Rate:		24			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		18			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933953199			
Layer:		1			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		60			
Water Found Depth UOM:		ft			
--		--			
Water ID:		933953200			
Layer:		2			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		190			
Water Found Depth UOM:		ft			
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[17](#)

1 of 1

SE/134.4

337.0

Guelph ON

WWIS

Well ID:	7159158	Lot:	
Construction Date:		Concession:	
Primary Water Use:		Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Abandoned-Other	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	GUELPH CITY	UTM Reliability:	
County:	WELLINGTON		

Bore Hole Information

--	--
Bore Hole ID:	1003474400
DP2BR:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		08-FEB-11			
Remarks:					
Zone:		17			
East 83:		564215			
North 83:		4821375			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		1003772920			
Layer:					
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		ft			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		1003772927			
Layer:		1			
Plug From:		35			
Plug To:		25			
Plug Depth UOM:		ft			
--		--			
Plug ID:		1003772928			
Layer:		2			
Plug From:		25			
Plug To:		6			
Plug Depth UOM:		ft			
--		--			
Plug ID:		1003772929			
Layer:		3			
Plug From:		6			
Plug To:		0			
Plug Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		1003772925			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--		--			
Pipe Information					
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipe ID:		1003772919			
Casing Number:		0			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		1003772923			
Layer:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1003772924			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
--		--			
Water Details					
--		--			
Water ID:		1003772922			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		28.5			
Water Found Depth UOM:		ft			
--		--			
Hole Diameter					
--		--			
Hole ID:		1003772921			
Diameter:		2			
Depth From:		35			
Depth To:		0			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
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18	1 of 1	SSE/151.0	337.3	GUELPH ON	WWIS
Well ID:	7037200			Lot:	
Construction Date:				Concession:	
Primary Water Use:	Not Used			Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Observation Wells			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	11761129				
DP2BR:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Code OB:		0			
Code OB Description:		Overburden			
Open Hole:					
Date Completed:		20-OCT-06			
Remarks:					
Zone:		17			
East 83:		564172			
North 83:		4821346			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		337.38			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		933085488			
Layer:		1			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		4			
Formation End Depth UOM:		m			
--		--			
Formation ID:		933085489			
Layer:		2			
General Color:		BROWN			
Most Common Material:		SAND			
Other Materials:		GRAVEL			
Other Materials:		SILT			
Formation Top Depth:		4			
Formation End Depth:		10.6			
Formation End Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		967037200			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11768819			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930893349			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Depth To:		4.8			
Casing Diameter:		5			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933422247			
Layer:		1			
Slot:		10			
Screen Top Depth:		4.5			
Screen End Depth:		10.6			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5			
--		--			
Hole Diameter					
--		--			
Hole ID:		11847039			
Diameter:		20			
Depth From:		0			
Depth To:		10.6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
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19	1 of 1	N/234.8	312.0	GUELPH ON	WWIS
Well ID:	6715671			Lot:	
Construction Date:				Concession:	
Primary Water Use:				Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Abandoned-Other			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	11558192				
DP2BR:					
Code OB:	o				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	22-FEB-06				
Remarks:					
Zone:	17				
East 83:	563950.2				
North 83:	4822612				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	wwr				
Org CS:	G83a				
Elevation:	311.43				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		933043967			
Layer:		1			
General Color:		BROWN			
Most Common Material:		GRAVEL			
Other Materials:		SAND			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		1.22			
Formation End Depth UOM:		m			
--		--			
Formation ID:		933043968			
Layer:		2			
General Color:		BROWN			
Most Common Material:		FILL			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		1.22			
Formation End Depth:		3.66			
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933287557			
Layer:		1			
Plug From:		0			
Plug To:		1.83			
Plug Depth UOM:		m			
--		--			
Plug ID:		933287558			
Layer:		2			
Plug From:		1.83			
Plug To:		3.66			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966715671			
Method Construction Code:		B			
Method Construction:		Other Method			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11567799			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930875071			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		2.13			
Casing Diameter:		5.08			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933417060			
Layer:		1			
Slot:		10			
Screen Top Depth:		2.13			
Screen End Depth:		3.66			
Screen Material:		5			
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		5.33			
--		--			
Hole Diameter					
--		--			
Hole ID:		11690252			
Diameter:		8.89			
Depth From:		0			
Depth To:		3.66			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			

20	1 of 1	SE/68.6	339.0	ON	WWIS
Well ID: 7050654					
Construction Date:					
Primary Water Use:					
Sec. Water Use:					
Final Well Status:					
Specific Capacity:					
Municipality: GUELPH CITY (GUELPH TWP)					
County: WELLINGTON					
Lot:					
Concession:					
Concession Name:					
Easting NAD83:					
Northing NAD83:					
Zone:					
UTM Reliability:					
Bore Hole Information					
--		--			
Bore Hole ID:		23050654			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:		12-JAN-07			
Remarks:					
Zone:		17			
East 83:		564275			
North 83:		4821409			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		338.81			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment					
Sealing Record					
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Plug ID: 44006165 Layer: 1 Plug From: 195 Plug To: 186 Plug Depth UOM: ft -- Plug ID: 44006166 Layer: 2 Plug From: 186 Plug To: 6 Plug Depth UOM: ft -- Pipe Information -- Pipe ID: 29050654 Casing Number: 0 Comment: Alt Name: Hole Diameter -- Hole ID: 46004794 Diameter: 6 Depth From: Depth To: Hole Depth UOM: ft Hole Diameter UOM: inch -- --					
21	1 of 5	SE/144.1	337.0	588 Stone Road East Guelph ON N1L 1B6	EHS
Addit. Info Ordered: Order No.: 20051129019 Report Date: 12/8/2005 Report Type: Complete Report Search Radius (km): 0.25					
21	2 of 5	SE/144.1	337.0	588 Stone Road East Guelph ON N1L 1B6	EHS
Addit. Info Ordered: Order No.: 20051221017 Report Date: 1/4/2006 Report Type: Custom Report Search Radius (km): 0.25					
21	3 of 5	SE/144.1	337.0	588 Stone Road East Guelph ON N1L 1B6	EHS
Addit. Info Ordered: Order No.: 20110818030 Report Date: 8/29/2011 Report Type: Custom Report Search Radius (km): 0.25					
21	4 of 5	SE/144.1	337.0	SNC-Lavalin Profac Inc. 588 Stone Road East Guelph ON N1L 1B6	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Generator #: ON8861616 Approval Yrs: 06 SIC Code: 912120 SIC Description: Provincial Correctional Services					
--- Details ---					
Waste Code: 121 Waste Description: ALKALINE WASTES - HEAVY METALS + Waste Code: 146 Waste Description: OTHER SPECIFIED INORGANICS + Waste Code: 148 Waste Description: INORGANIC LABORATORY CHEMICALS + Waste Code: 221 Waste Description: LIGHT FUELS + Waste Code: 243 Waste Description: PCB'S + Waste Code: 252 Waste Description: WASTE OILS & LUBRICANTS + Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS + Waste Code: 331 Waste Description: WASTE COMPRESSED GASES					
21	5 of 5	SE/144.1	337.0	Ministry of Public Safety and Security 588 Stone Road East Guelph ON N1L 1B6	GEN
Generator #: ON4683638 Approval Yrs: 03,04 SIC Code: SIC Description:					
22	1 of 1	SE/66.8	339.0	ON	WWIS
Well ID: 7050663 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Abandoned-Other Specific Capacity: Municipality: GUELPH CITY (GUELPH TWP) County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Bore Hole Information -- Bore Hole ID: 23050663 DP2BR: Code OB: Code OB Description: Open Hole: Date Completed: 22-MAR-07 Remarks: Zone: 17 East 83: 564284 North 83: 4821403 UTMRC: 3					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:		339.02			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		44006179			
Layer:		1			
Plug From:		187			
Plug To:		170			
Plug Depth UOM:		ft			
--		--			
Plug ID:		44006180			
Layer:		2			
Plug From:		170			
Plug To:		140			
Plug Depth UOM:		ft			
--		--			
Plug ID:		44006181			
Layer:		3			
Plug From:		140			
Plug To:		100			
Plug Depth UOM:		ft			
--		--			
Plug ID:		44006182			
Layer:		4			
Plug From:		100			
Plug To:		0			
Plug Depth UOM:		ft			
--		--			
Pipe Information					
--		--			
Pipe ID:		29050663			
Casing Number:		0			
Comment:					
Alt Name:					
Hole Diameter					
--		--			
Hole ID:		46004807			
Diameter:		8			
Depth From:					
Depth To:		187			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
--		--			
--		--			

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1 of 1

SSE/153.7

334.6

Guelph ON

WWIS

Well ID: 7191310
Construction Date:
Primary Water Use: Monitoring
Sec. Water Use:
Final Well Status: Observation Wells

Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Specific Capacity:				Zone:	
Municipality:	GUELPH TOWNSHIP			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	1004202096				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	09-OCT-12				
Remarks:					
Zone:	17				
East 83:	564056				
North 83:	4821227				
UTMRC:	4				
UTMRC Description:	margin of error : 30 m - 100 m				
Location Method:	wwr				
Org CS:	UTM83				
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	1004497330				
Layer:	1				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	SILT				
Other Materials:	GRAVEL				
Formation Top Depth:	0				
Formation End Depth:	23				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	1004497331				
Layer:	2				
General Color:	GREY				
Most Common Material:	SAND				
Other Materials:	SILTY				
Other Materials:	GRAVEL				
Formation Top Depth:	23				
Formation End Depth:	30				
Formation End Depth UOM:	ft				
--	--				
Annular Space/Abandonment Sealing Record					
--	--				
Plug ID:	1004497338				
Layer:	1				
Plug From:	0				
Plug To:	19				
Plug Depth UOM:	ft				
--	--				
Method of Construction & Well Use					
--	--				
Method Construction ID:	1004497337				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Method Construction Code:		E			
Method Construction:		Auger			
Other Method Construction:		--			
Pipe Information		--			
Pipe ID:		1004497329			
Casing Number:		0			
Comment:					
Alt Name:		--			
Construction Record - Casing		--			
Casing ID:		1004497334			
Layer:		1			
Open Hole or Material:		PLASTIC			
Depth From:		0			
Depth To:		20			
Casing Diameter:		2			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
Construction Record - Screen		--			
Screen ID:		1004497335			
Layer:		1			
Slot:		010			
Screen Top Depth:		20			
Screen End Depth:		30			
Screen Material:		5			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		2			
Hole Diameter		--			
Hole ID:		1004497332			
Diameter:		8			
Depth From:		0			
Depth To:		30			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			

24	1 of 1	SSE/200.1	336.9	lot 1 con 9 ON	WWIS
Well ID:		6702682		Lot:	001
Construction Date:				Concession:	09
Primary Water Use:		Domestic		Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:		Water Supply		Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:		GUELPH CITY (PUSLINCH TWP)		UTM Reliability:	
County:		WELLINGTON			
Bore Hole Information		--			
Bore Hole ID:		10466825			
DP2BR:		57			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Date Completed:		17-MAY-55			
Remarks:					
Zone:		17			
East 83:		564239.3			
North 83:		4821263			
UTMRC:		5			
UTMRC Description:		margin of error : 100 m - 300 m			
Location Method:		p5			
Org CS:					
Elevation:		335.88			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932614847			
Layer:		1			
General Color:					
Most Common Material:		TOPSOIL			
Other Materials:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		4			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614848			
Layer:		2			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		4			
Formation End Depth:		25			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614849			
Layer:		3			
General Color:		GREY			
Most Common Material:		CLAY			
Other Materials:					
Other Materials:					
Formation Top Depth:		25			
Formation End Depth:		30			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614850			
Layer:		4			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		30			
Formation End Depth:		35			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614851			
Layer:		5			
General Color:		GREY			
Most Common Material:		CLAY			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Other Materials:					
Other Materials:					
Formation Top Depth:		35			
Formation End Depth:		37			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614852			
Layer:		6			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:					
Other Materials:					
Formation Top Depth:		37			
Formation End Depth:		41			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614853			
Layer:		7			
General Color:		GREY			
Most Common Material:		STONES			
Other Materials:					
Other Materials:					
Formation Top Depth:		41			
Formation End Depth:		57			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614854			
Layer:		8			
General Color:		BROWN			
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		57			
Formation End Depth:		78			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614855			
Layer:		9			
General Color:		BLACK			
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		78			
Formation End Depth:		105			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614856			
Layer:		10			
General Color:		GREY			
Most Common Material:		LIMESTONE			
Other Materials:					
Other Materials:					
Formation Top Depth:		105			
Formation End Depth:		113			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966702682			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			
Pipe Information					
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipe ID:		11015395			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930759231			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		63			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930759232			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		113			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996702682			
Pump Set At:					
Static Level:		28			
Final Level After Pumping:		40			
Recommended Pump Depth:					
Pumping Rate:		8			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		2			
Pumping Duration HR:					
Pumping Duration MIN:					
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933955028			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		105			
Water Found Depth UOM:		ft			
--		--			
--		--			

[25](#)

1 of 1

SSE/191.2

335.0

Guelph ON

WWIS

Well ID:	7197005	Lot:	
Construction Date:		Concession:	
Primary Water Use:		Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Abandoned-Other	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	GUELPH TOWNSHIP	UTM Reliability:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
County:		WELLINGTON			
Bore Hole Information					
--	--	--	--	--	--
Bore Hole ID:		1004252451			
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:					
Remarks:					
Zone:		17			
East 83:		564060			
North 83:		4821178			
UTMRC:		4			
UTMRC Description:		margin of error : 30 m - 100 m			
Location Method:		wwr			
Org CS:		UTM83			
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--	--	--	--	--
Overburden and Bedrock Materials Interval					
--	--	--	--	--	--
Formation ID:		1004778599			
Layer:					
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:					
Formation End Depth:					
Formation End Depth UOM:		ft			
--	--	--	--	--	--
Annular Space/Abandonment Sealing Record					
--	--	--	--	--	--
Plug ID:		1004778605			
Layer:		1			
Plug From:		0			
Plug To:		9			
Plug Depth UOM:		ft			
--	--	--	--	--	--
Method of Construction & Well Use					
--	--	--	--	--	--
Method Construction ID:		1004778604			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--	--	--	--	--	--
Pipe Information					
--	--	--	--	--	--
Pipe ID:		1004778598			
Casing Number:		0			
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Casing ID:		1004778602			
Layer:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		1004778603			
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:					
--		--			
Water Details					
--		--			
Water ID:		1004778601			
Layer:		1			
Kind Code:		8			
Kind:		Untested			
Water Found Depth:					
Water Found Depth UOM:		ft			
--		--			
Hole Diameter					
--		--			
Hole ID:		1004778600			
Diameter:					
Depth From:					
Depth To:					
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
--		--			
--		--			
26	1 of 1	SE/157.7	340.0	ON	WWIS
Well ID:	6714094			Lot:	
Construction Date:				Concession:	
Primary Water Use:	Domestic			Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--		--			
Bore Hole ID:	10528629				
DP2BR:	44				
Code OB:	r				
Code OB Description:	Bedrock				
Open Hole:					
Date Completed:	27-MAY-02				
Remarks:					
Zone:	17				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
East 83:		564283			
North 83:		4821284			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:					
Org CS:		N83			
Elevation:		339.12			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:		Northings and/or Eastings field has been changed. Location estimated from sketch map.			
Improvement Location Source:		1999-2004 MOE Water Well Data Improvement Project			
Improvement Location Method:		GIS			
Supplier Comment:		Determined to be an improvement rather than a Lot Centroid in December 2009.			
Spatial Status:		Improved			
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932874601			
Layer:		1			
General Color:		BROWN			
Most Common Material:		CLAY			
Other Materials:		STONES			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		25			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932874602			
Layer:		2			
General Color:		BROWN			
Most Common Material:		CLAY			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		25			
Formation End Depth:		44			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932874603			
Layer:		3			
General Color:		BROWN			
Most Common Material:		ROCK			
Other Materials:		FRACTURED			
Other Materials:					
Formation Top Depth:		44			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932874604			
Layer:		4			
General Color:		BROWN			
Most Common Material:		ROCK			
Other Materials:					
Other Materials:					
Formation Top Depth:		50			
Formation End Depth:		90			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932874605			
Layer:		5			
General Color:		BLACK			
Most Common Material:		ROCK			
Other Materials:					
Other Materials:					
Formation Top Depth:		90			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth:		130			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932874606			
Layer:		6			
General Color:		GREY			
Most Common Material:		ROCK			
Other Materials:					
Other Materials:					
Formation Top Depth:		130			
Formation End Depth:		200			
Formation End Depth UOM:		ft			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933229369			
Layer:		1			
Plug From:		0			
Plug To:		25			
Plug Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966714094			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11077199			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930778650			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930778651			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:					
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996714094			
Pump Set At:					
Static Level:		56			
Final Level After Pumping:		83			
Recommended Pump Depth:		140			
Pumping Rate:		7			
Flowing Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Recommended Pump Rate:	7				
Levels UOM:	ft				
Rate UOM:	GPM				
Water State After Test Code:	1				
Water State After Test:	CLEAR				
Pumping Test Method:	1				
Pumping Duration HR:	1				
Pumping Duration MIN:	0				
Flowing:	N				
--	--				
Draw Down & Recovery					
--	--				
Pump Test Detail ID:	934357322				
Pump Test ID:	996714094				
Test Type:	Draw Down				
Test Duration:	15				
Test Level:	115				
Test Level UOM:	ft				
--	--				
Pump Test Detail ID:	934613538				
Pump Test ID:	996714094				
Test Type:	Draw Down				
Test Duration:	30				
Test Level:	120				
Test Level UOM:	ft				
--	--				
Pump Test Detail ID:	934874557				
Pump Test ID:	996714094				
Test Type:	Draw Down				
Test Duration:	45				
Test Level:	120				
Test Level UOM:	ft				
--	--				
Pump Test Detail ID:	935135194				
Pump Test ID:	996714094				
Test Type:	Draw Down				
Test Duration:	60				
Test Level:	120				
Test Level UOM:	ft				
--	--				
--	--				
Water Details					
--	--				
Water ID:	934021559				
Layer:	1				
Kind Code:	1				
Kind:	FRESH				
Water Found Depth:	200				
Water Found Depth UOM:	ft				
--	--				
--	--				
<hr/>					
27	1 of 1	SSE/209.4	338.0	lot 1 con 9 ON	WWIS
Well ID:	6702685			Lot:	001
Construction Date:				Concession:	09
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY (PUSLINCH TWP)			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--		--			
Bore Hole ID:		10466828			
DP2BR:		47			
Code OB:		r			
Code OB Description:		Bedrock			
Open Hole:					
Date Completed:		31-MAR-55			
Remarks:					
Zone:		17			
East 83:		564259.3			
North 83:		4821238			
UTMRC:		5			
UTMRC Description:		margin of error : 100 m - 300 m			
Location Method:		p5			
Org CS:					
Elevation:		335.72			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
Overburden and Bedrock Materials Interval					
--		--			
Formation ID:		932614863			
Layer:		1			
General Color:					
Most Common Material:		GRAVEL			
Other Materials:		STONES			
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		47			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614864			
Layer:		2			
General Color:		BROWN			
Most Common Material:		ROCK			
Other Materials:					
Other Materials:					
Formation Top Depth:		47			
Formation End Depth:		92			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932614865			
Layer:		3			
General Color:		BLACK			
Most Common Material:		ROCK			
Other Materials:					
Other Materials:					
Formation Top Depth:		92			
Formation End Depth:		100			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966702685			
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Pipe Information					
--		--			
Pipe ID:		11015398			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930759235			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		75			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930759236			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		100			
Casing Diameter:		4			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996702685			
Pump Set At:					
Static Level:		29			
Final Level After Pumping:		29			
Recommended Pump Depth:					
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		2			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Water Details					
--		--			
Water ID:		933955031			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		100			
Water Found Depth UOM:		ft			
--		--			
--		--			

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1 of 1

WNW/56.9

308.4

ON

WWIS

Well ID: 6711400
 Construction Date:
 Primary Water Use: Industrial
 Sec. Water Use:
 Final Well Status: Observation Wells

Lot:
 Concession:
 Concession Name:
 Easting NAD83:
 Northing NAD83:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	10475234				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	23-SEP-93				
Remarks:					
Zone:	17				
East 83:	563054.3				
North 83:	4822251				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	gps				
Org CS:					
Elevation:	308.36				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	932652374				
Layer:	1				
General Color:	BLACK				
Most Common Material:	GRAVEL				
Other Materials:	SAND				
Other Materials:	STONES				
Formation Top Depth:	0				
Formation End Depth:	2				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	932652375				
Layer:	2				
General Color:	BLACK				
Most Common Material:	SAND				
Other Materials:	FILL				
Other Materials:	STONES				
Formation Top Depth:	2				
Formation End Depth:	5				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	932652376				
Layer:	3				
General Color:	BROWN				
Most Common Material:	COARSE SAND				
Other Materials:	STONES				
Other Materials:					
Formation Top Depth:	5				
Formation End Depth:	9				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	932652377				
Layer:	4				
General Color:	BROWN				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Most Common Material:		COARSE SAND			
Other Materials:		BOULDERS			
Other Materials:		STONES			
Formation Top Depth:		9			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932652378			
Layer:		5			
General Color:		GREY			
Most Common Material:		TILL			
Other Materials:		SILTY			
Other Materials:		STONES			
Formation Top Depth:		20			
Formation End Depth:		23			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966711400			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11023804			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930774048			
Layer:		1			
Open Hole or Material:					
Depth From:					
Depth To:		15			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933385826			
Layer:		1			
Slot:		030			
Screen Top Depth:		15			
Screen End Depth:		20			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6.625			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996711400			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:		10			
Flowing Rate:					
Recommended Pump Rate:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:	1				
Pumping Duration HR:	4				
Pumping Duration MIN:					
Flowing:	N				
--	--				
--	--				

29	1 of 1	WNW/15.1	308.0	ON	BORE
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.

30	1 of 1	WNW/20.5	307.4	ON	BORE
Borehole ID:	851626			Type:	Borehole
Use:	Geotechnical/Geological Investigation			Status:	Decommissioned
Drill Method:	Power auger			UTM Zone:	17
Easting:	562972			Northing:	4822123
Location Accuracy:				Orig. Ground Elev m:	308
Elev. Reliability Note:				DEM Ground Elev m:	306
Total Depth m:	9.1			Primary Name:	
Township:				Concession:	
Lot:				Municipality:	
Completion Date:	03-JUL-1962			Static Water Level:	-1
Primary Water Use:				Sec. Water Use:	
--- Details ---					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Stratum ID:	220428015			Top Depth(m):	0.0
Bottom Depth(m):	2.7			Stratum Desc:	Black silty peat.
+					
Stratum ID:	220428016			Top Depth(m):	2.7
Bottom Depth(m):	6.5			Stratum Desc:	Light grey organic silt (shells and shell fragments.)
+					
Stratum ID:	220428017			Top Depth(m):	6.5
Bottom Depth(m):	9.1			Stratum Desc:	Very dense grey gravel some sand trace of silt (occasional boulder)

31	1 of 1	WNW/73.4	309.0	ON	WWIS
Well ID:	6711399			Lot:	
Construction Date:				Concession:	
Primary Water Use:	Industrial			Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Observation Wells			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	10475233				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	23-SEP-93				
Remarks:					
Zone:	17				
East 83:	562998.3				
North 83:	4822228				
UTMRC:	3				
UTMRC Description:	margin of error : 10 - 30 m				
Location Method:	gps				
Org CS:					
Elevation:	308.71				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock Materials Interval					
--	--				
Formation ID:	932652371				
Layer:	1				
General Color:	BLACK				
Most Common Material:	FILL				
Other Materials:	SAND				
Other Materials:	GRAVEL				
Formation Top Depth:	0				
Formation End Depth:	11				
Formation End Depth UOM:	ft				
--	--				
Formation ID:	932652372				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:		2			
General Color:		BLACK			
Most Common Material:		COARSE SAND			
Other Materials:		SAND			
Other Materials:		STONES			
Formation Top Depth:		11			
Formation End Depth:		18			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932652373			
Layer:		3			
General Color:		GREY			
Most Common Material:		TILL			
Other Materials:		STONES			
Other Materials:					
Formation Top Depth:		18			
Formation End Depth:		22			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966711399			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11023803			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930774047			
Layer:		1			
Open Hole or Material:					
Depth From:					
Depth To:		13			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933385825			
Layer:		1			
Slot:		030			
Screen Top Depth:		13			
Screen End Depth:		18			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6.625			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996711399			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:		2			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Flowing Rate: Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: Pumping Test Method: 1 Pumping Duration HR: 5 Pumping Duration MIN: Flowing: N -- --					

32	1 of 1	WNW/43.1	308.9	ON	WWIS
Well ID: 6711401 Construction Date: Primary Water Use: Industrial Sec. Water Use: Final Well Status: Observation Wells Specific Capacity: Municipality: GUELPH CITY County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Bore Hole Information -- Bore Hole ID: 10475235 DP2BR: Code OB: 0 Code OB Description: Overburden Open Hole: Date Completed: 23-SEP-93 Remarks: Zone: 17 East 83: 562972.3 North 83: 4822175 UTMRC: 3 UTMRC Description: margin of error : 10 - 30 m Location Method: gps Org CS: Elevation: 309.01 Elevrc: Elevrc Description: Location Source Date: Source Revision Comment: Improvement Location Source: Improvement Location Method: Supplier Comment: Spatial Status: -- Overburden and Bedrock Materials Interval -- Formation ID: 932652379 Layer: 1 General Color: BLACK Most Common Material: SAND Other Materials: SILTY Other Materials: GRAVEL Formation Top Depth: 0 Formation End Depth: 4 Formation End Depth UOM: ft -- Formation ID: 932652380					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Layer:		2			
General Color:		BLACK			
Most Common Material:		SAND			
Other Materials:		GRAVEL			
Other Materials:		STONES			
Formation Top Depth:		4			
Formation End Depth:		8			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932652381			
Layer:		3			
General Color:		GREY			
Most Common Material:		SAND			
Other Materials:		STONES			
Other Materials:		BOULDERS			
Formation Top Depth:		8			
Formation End Depth:		14			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932652382			
Layer:		4			
General Color:		BROWN			
Most Common Material:		COARSE SAND			
Other Materials:		STONES			
Other Materials:		BOULDERS			
Formation Top Depth:		14			
Formation End Depth:		22			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932652383			
Layer:		5			
General Color:		GREY			
Most Common Material:		TILL			
Other Materials:		SILTY			
Other Materials:		STONES			
Formation Top Depth:		22			
Formation End Depth:		26			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966711401			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11023805			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930774049			
Layer:		1			
Open Hole or Material:					
Depth From:					
Depth To:		18			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
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Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Construction Record - Screen					
--	--	--	--	--	--
Screen ID:		933385827			
Layer:		1			
Slot:		030			
Screen Top Depth:		18			
Screen End Depth:		23			
Screen Material:					
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6.625			
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Well Yield Testing					
--	--	--	--	--	--
Pump Test ID:		996711401			
Pump Set At:					
Static Level:					
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:		20			
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		1			
Pumping Duration HR:		3			
Pumping Duration MIN:					
Flowing:		N			
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[33](#)

1 of 1

WNW/32.0

308.8

GELPH ON

WWIS

Well ID:	6715491	Lot:	
Construction Date:		Concession:	
Primary Water Use:		Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Observation Wells	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	GUELPH CITY	UTM Reliability:	
County:	WELLINGTON		

Bore Hole Information

--	--
Bore Hole ID:	11327277
DP2BR:	
Code OB:	x
Code OB Description:	Unknown type in the lower layers(s)
Open Hole:	
Date Completed:	12-AUG-05
Remarks:	
Zone:	17
East 83:	562965
North 83:	4822157
UTMRC:	
UTMRC Description:	
Location Method:	wwr
Org CS:	UTM83
Elevation:	309.02
Elevrc:	
Elevrc Description:	
Location Source Date:	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--	--	--	--	--
Overburden and Bedrock Materials Interval					
--	--	--	--	--	--
Formation ID:	933035513				
Layer:	1				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	GRAVEL				
Other Materials:					
Formation Top Depth:	0				
Formation End Depth:	4				
Formation End Depth UOM:	m				
--	--	--	--	--	--
Formation ID:	933035514				
Layer:	2				
General Color:					
Most Common Material:					
Other Materials:					
Other Materials:					
Formation Top Depth:	4				
Formation End Depth:	8.7				
Formation End Depth UOM:	m				
--	--	--	--	--	--
Formation ID:	933035515				
Layer:	3				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	GRAVEL				
Other Materials:					
Formation Top Depth:	8.7				
Formation End Depth:	11.9				
Formation End Depth UOM:	m				
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Annular Space/Abandonment Sealing Record					
--	--	--	--	--	--
Plug ID:	933277458				
Layer:	1				
Plug From:	0				
Plug To:	6.8				
Plug Depth UOM:	m				
--	--	--	--	--	--
Method of Construction & Well Use					
--	--	--	--	--	--
Method Construction ID:	966715491				
Method Construction Code:	6				
Method Construction:	Boring				
Other Method Construction:					
--	--	--	--	--	--
Pipe Information					
--	--	--	--	--	--
Pipe ID:	11342132				
Casing Number:	1				
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					
--	--	--	--	--	--
Casing ID:	930872087				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Layer:		1			
Open Hole or Material:					
Depth From:		-.7			
Depth To:		8.9			
Casing Diameter:		5.1			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933414719			
Layer:		1			
Slot:		010			
Screen Top Depth:		8.9			
Screen End Depth:		11.9			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.4			
--		--			
Hole Diameter					
--		--			
Hole ID:		11548233			
Diameter:		21			
Depth From:		0			
Depth To:		4.9			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
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34	1 of 90	WNW/133.5	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	CA
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:					
Project Description:		EO/PO SCRUBBER FOR GUELPH CHEMICAL PLANT			
Contaminants:					
Emission Control:					
<hr/>					
34	2 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
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:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Client Postal Code: Project Description: PROCESS CHANGE - K32, K34, K35, K18, K22 Contaminants: Dioxane Emission Control:					
34	3 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
Certificate #: 8-2133-96- Application Year: 96 Issue Date: 7/25/1996 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: INSTALL/OPERATE PHENOL SCRUBBER Contaminants: Phenol Emission Control: Packed Tower,					
34	4 of 90	WNW/133.5	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:					
34	5 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
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:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	6 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:		8-2259-96- 96 1/29/1997 Industrial air VENT FOR HOT BOX DRUM HEATING SYSTEM Other Contaminant, Odour/Fumes No Controls			
34	7 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:		8-2190-97- 97 11/6/1997 Industrial air Approved FUME EXTRACTION ARM WITH FAN & STACK Acetic Acid, Sulphuric Acid, Potassium Hydroxide			
34	8 of 90	WNW/133.5	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	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:		8-2005-94- 94 2/24/1994 Industrial air Revised (2) EXH. FANS FOR QUALITY ASSURANCE LAB. Xylene, Methyl Alcohol, Chloroform, Ethyl Acetate, Acetic Acid No Controls			
34	9 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
Certificate #: Application Year: Issue Date: Approval Type:		8-2164-85-866 01 9/20/01 Industrial air			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		Revoked and/or Replaced Notice Huntsman Corporation Canada Inc. 256 Victoria Road South Guelph N1E 5R1 Administrative Name Change			
34	10 of 90	WNW/133.5	310.0	HART CHEMICAL LTD. 256 VICTORIA RD.S. GUELPH CITY ON N1E 5R1	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:		8-2164-85-866 85 1/10/86 Industrial air Received in 1985, Issued in 1986 Hydrogen Chloride, Ammonia, Sulphur Dioxide, Sulphuric Acid, Formaldehyde, Other Organic Compounds Centri. And/Or Cycl. Scr.			
34	11 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:		8-2176-94- 94 10/13/1994 Industrial air Approved REPLACE SOLVENT/WATER SPILT TANK #500 Ethyl Benzene, Toluene(Pentyl Methane)(Methyl Benzene), Xylene No Controls			
34	12 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description:		8-2154-97- 97 9/23/1997 Industrial air Approved LOCAL VENT SYS. FOR BY-PRODUCT BULKING			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Contaminants: Emission Control:					
34	13 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	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:		8-2167-92-006 01 3/8/01 Industrial air Approved Notice Huntsman Corporation Canada Incorporated 256 Victoria Road South Guelph N1E 5R1 Ownership change from Hart Chemical Company			
34	14 of 90	WNW/133.5	310.0	Huntsman Corporation Canada Inc. 256 Victoria Road South Guelph ON N1E 5R1	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:		2139-6JFPKM 2005 12/29/2005 Air Approved			
34	15 of 90	WNW/133.5	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:		4-0070-93- 93 11/26/1993 Industrial wastewater Approved			
		EMERG.STOR.BASIN, HEADWALL & OUTLET SEW.			
34	16 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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. Contaminants: Emission Control:					
<u>34</u>	17 of 90	WNW/133.5	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:					
<u>34</u>	18 of 90	WNW/133.5	310.0	HART CHEMICAL COMPANY 256 VICTORIA RD. SOUTH GUELPH CITY ON N1E 5R1	CA
Certificate #: 8-2167-92- Application Year: 92 Issue Date: 8/28/1992 Approval Type: Industrial air Status: Approved Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: DIS. AIR FLOATATION TREATMENT, SLUDGE Contaminants: Benzene (Carcinogen Requires Bact), Ethyl Benzene, Toluene(Pentyl Methane)(Methyl Benzene), Xylene Emission Control:					
<u>34</u>	19 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	CA
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.					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		256 Victoria Road South Guelph N1E 5R1 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.			
34	20 of 90	WNW/133.5	310.0	TEXACO CHEMICAL CANADA 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:		8-2045-94-94 4/14/1994 Industrial air Approved MFG. PROCESS CHANGE ON KETTLE #27 Xylene No Controls			
34	21 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	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:		8-2293-93-94601 5/4/01 Industrial air Approved Notice Huntsman Corporation Canada Inc. 256 Victoria Road South Guelph N1E 5R1 The company's name has changed from Texaco Chemical Canada to Huntsman Corporation Canada Inc.			
34	22 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	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:		8-2005-94-00701 5/4/01 Industrial air Approved Notice Huntsman Corporation Canada Inc. 256 Victoria Road South Guelph N1E 5R1 The company's name has changes from Texaco Chemical Canada a Division of Canada Texaco Inc. to Huntsman Corporation Canada Inc.			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	23 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	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:		8-2005-98-98 2/27/1998 Industrial air Approved LOCAL VENTILATION SYSTEM FOR MIX PLANT Ethylene Oxide, Propylene Oxide No Controls			
34	24 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:		8-2409-95-006 95 12/11/95 Industrial air Approved FLAMMABLE DRUM STORAGE ROOM VENTILATION Acetone, Hexane, Ethyl Ether, N-Propyl Alcohol, Methyl Alcohol, N-Butanol(Butanol), Chloroform, Methyl Ethyl Ketone (Butanone), Methyl Isobutyl Ketone, Xylene No Controls			
34	25 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	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:		8-2233-97-97 12/17/1997 Industrial air Approved CONTRACTOR FABRICATION SHOP VENT SYSTEM Suspended Particulate Matter No Controls			
34	26 of 90	WNW/133.5	310.0	HART CHEMICAL LIMITED 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	CA

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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: Project Description: LIQUID INDUSTRIAL WASTE INCINERATOR Contaminants: Emission Control:					
34	27 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	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:					
34	28 of 90	WNW/133.5	310.0	HART CHEMICAL LIMITED 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
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					
34	29 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	CA
Certificate #: 8-2125-96- Application Year: 96 Issue Date: 8/6/1996 Approval Type: Industrial air Status: Approved Application Type:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Client Name: Client Address: Client City: Client Postal Code: Project Description: VENT SYSTEM FOR HYDROTROPE PLANT, BLDG.7 Contaminants: Toluene(Pentyl Methane)(Methyl Benzene), Xylene, Suspended Particulate Matter, Silica (Respirable) Emission Control:					
34	30 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA INC 256 VICTORIA RD S GUELPH ON N1E 5R1	CHEM
List Name: Mailing City: Mailing Address: Mailing Address 2: Business: Description:					
34	31 of 90	WNW/133.5	310.0	Huntsman Corporation Canada 256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	EBR
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					
34	32 of 90	WNW/133.5	310.0	Huntsman Corporation Canada 256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	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					
34	33 of 90	WNW/133.5	310.0	Mayflower Properties (Guelph) Inc 256 Victoria Street South Guelph ON N1E 5R1	EBR
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					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	34 of 90	WNW/133.5	310.0	Huntsman Corporation Canada 256 VICTORIA ROAD SOUTH City of Guelph ON N1E 5R1	EBR
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		1997 IA7E1049 Instrument EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) 7/15/97 City of Guelph Huntsman Corporation Canada, Inc.,256 Victoria Road South,Guelph, Ontario,N1E 5R1			
34	35 of 90	WNW/133.5	310.0	Huntsman Corporation Canada 256 Victoria Road South City of Guelph ON N1E 5R1	EBR
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		1996 IA6E0932 Instrument EPA s. 9 - Approval for discharge into the natural environment other than water (i.e. Air) 6/12/96 City of Guelph Huntsman Corporation Canada, Inc.256 Victoria Road South,Guelph, Ontario, N1E 5R1			
34	36 of 90	WNW/133.5	310.0	Mayflower Properties (Guelph) Inc. 256 Victoria Road S Guelph ON N1E 5R1	EBR
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		2010 010-8956 9441-7ZNQZX Instrument Proposal (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) January 25, 2010 256 Victoria Road South Guelph, County Of Wellington N1E 5R1 256 Victoria Road South Guelph Ontario Canada N1E 5R1			
34	37 of 90	WNW/133.5	310.0	Polymer Distribution Inc. 256 Victoria Road Guelph ON	EBR
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		2015 012-5527 5651-9WGMKA Instrument Decision (EPA Part II.1-waste) - Environmental Compliance Approval (project type: waste) October 23, 2015 256 Victoria Road Guelph County of Wellington CITY OF GUELPH 256 Victoria Road South, Guelph Ontario, Canada N1E 5R1			
34	38 of 90	WNW/133.5	310.0	Polymer Distribution Inc. 256 Victoria Road Guelph ON	EBR
Year: EBR Registry No.: Ministry Ref. No.:		2016 012-6455 6673-A67SQD			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Type: Instrument Type: Proposal Date: Location: Proponent Address:		Instrument Proposal (EPA Part II.1-waste) - Environmental Compliance Approval (project type: waste) January 19, 2016 256 Victoria Road Guelph County of Wellington CITY OF GUELPH 256 Victoria Road South, Guelph Ontario, Canada N1E 5R1			
34	39 of 90	WNW/133.5	310.0	Mayflower Properties (Guelph) Inc. 256 Victoria Rd S Guelph ON N1E 5R1	ECA
Record Type: PDF URL: Full Address: CofA Number: Date: Status: Project Type:		 4375-8QNLQE 1/14/2013 Approved Air/Noise			
34	40 of 90	WNW/133.5	310.0	256 Victoria Road South Guelph ON N1E 5R1	EHS
Addit. Info Ordered: Order No.: Report Date: Report Type: Search Radius (km):		Fire Insur. Maps and/or Site Plans, Aerials Photos and/or Topographical Maps, City Directory 20051208040 12/12/2005 Site Report 0.25			
34	41 of 90	WNW/133.5	310.0	HART CHEMICAL LTD PO BOX 450 256 VICTORIA RD S GUELPLH ON N1E 5R1	GEN
Generator #: Approval Yrs: SIC Code: SIC Description: --- Details --- Waste Code: Waste Description: + Waste Code: Waste Description: + Waste Code: Waste Description:		ON0095000 86,87,88 3712 IND. ORGANIC CHEM. 212 ALIPHATIC SOLVENTS + 232 POLYMERIC RESINS + 270 OTHER SPECIFIED ORGANICS			
34	42 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA, INC. 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	GEN
Generator #: Approval Yrs: SIC Code: SIC Description: --- Details --- Waste Code: Waste Description: + Waste Code:		ON1846500 94,95,96,97,98 3712 IND. ORGANIC CHEM. 146 OTHER SPECIFIED INORGANICS + 148			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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			
Waste Description:		OTHER SPECIFIED ORGANICS			
+					
Waste Code:		312			
Waste Description:		PATHOLOGICAL WASTES			

[34](#)

43 of 90

WNW/133.5

310.0

HUNTSMAN CORPORATION CANADA INC.
256 VICTORIA ROAD SOUTH
GUELPH ON N1E 5R1

GEN

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
+
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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
+					
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			

34	44 of 90	WNW/133.5	310.0	TEXACO CHE(SEE & USE ON1846500) 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	GEN
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Generator #:	ON0005299
Approval Yrs:	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:	232
Waste Description:	POLYMERIC RESINS
+	
Waste Code:	241
Waste Description:	HALOGENATED SOLVENTS
+	

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code: 263 Waste Description: ORGANIC LABORATORY CHEMICALS + Waste Code: 266 Waste Description: PHENOLIC WASTES + Waste Code: 270 Waste Description: OTHER SPECIFIED ORGANICS					
34	45 of 90	WNW/133.5	310.0	TEXACO CHE(SEE & USE ON1846500) 19-034 256 VICTORIA ROAD SOUTH GUELPH ON N1E 5R1	GEN
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					
34	46 of 90	WNW/133.5	310.0	Polymer Distribution Inc. 256 Victoria Road South Guelph ON N1E 5R1	GEN
Generator #: ON1846500 Approval Yrs: 2012 SIC Code: 484221 SIC Description: Bulk Liquids Trucking Local					
--- Details ---					
Waste Code: 114 Waste Description: OTHER INORGANIC ACID WASTES + Waste Code: 213 Waste Description: PETROLEUM DISTILLATES + Waste Code: 270 Waste Description: OTHER SPECIFIED ORGANICS +					

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
--- 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			
+					
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			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Description:		OTHER SPECIFIED INORGANICS			
34	48 of 90	WNW/133.5	310.0	Polymer Distribution Inc. 256 Victoria Road South Guelph ON N1E 5R1	GEN
Generator #:		ON1846500			
Approval Yrs:		As of May 2015			
SIC Code:					
SIC Description:					
--- Details ---					
Waste Code:		213			
Waste Description:		Petroleum distillates			
+					
Waste Code:		262			
Waste Description:		Detergents and soaps			
+					
Waste Code:		263			
Waste Description:		Misc. waste organic chemicals			
+					
Waste Code:		232			
Waste Description:		Polymeric resins			
34	49 of 90	WNW/133.5	310.0	Mayflower Properties (Guelph) Inc. 256 Victoria Road South Guelph ON N1E 5R1	GEN
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			
+					
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			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<div> <div>Waste Description:</div> <div>OTHER POLYMERIC WASTES</div> <div>+</div> <div>Waste Code:</div> <div>241</div> <div>Waste Description:</div> <div>HALOGENATED SOLVENTS</div> <div>+</div> <div>Waste Code:</div> <div>251</div> <div>Waste Description:</div> <div>OIL SKIMMINGS & SLUDGES</div> <div>+</div> <div>Waste Code:</div> <div>252</div> <div>Waste Description:</div> <div>WASTE OILS & LUBRICANTS</div> <div>+</div> <div>Waste Code:</div> <div>262</div> <div>Waste Description:</div> <div>DETERGENTS/SOAPS</div> <div>+</div> <div>Waste Code:</div> <div>263</div> <div>Waste Description:</div> <div>ORGANIC LABORATORY CHEMICALS</div> <div>+</div> <div>Waste Code:</div> <div>266</div> <div>Waste Description:</div> <div>PHENOLIC WASTES</div> <div>+</div> <div>Waste Code:</div> <div>267</div> <div>Waste Description:</div> <div>ORGANIC ACIDS</div> <div>+</div> <div>Waste Code:</div> <div>268</div> <div>Waste Description:</div> <div>AMINES</div> <div>+</div> <div>Waste Code:</div> <div>270</div> <div>Waste Description:</div> <div>OTHER SPECIFIED ORGANICS</div> <div>+</div> <div>Waste Code:</div> <div>312</div> <div>Waste Description:</div> <div>PATHOLOGICAL WASTES</div> <div>+</div> <div>Waste Code:</div> <div>331</div> <div>Waste Description:</div> <div>WASTE COMPRESSED GASES</div> </div>					
34	50 of 90	WNW/133.5	310.0	HART CHEMICALS LTD. 256 VICTORIA RD. S. GUELPLH ON N1E 5R1	GEN
<div> <div>Generator #:</div> <div>ON0095000</div> <div>Approval Yrs:</div> <div>89</div> <div>SIC Code:</div> <div>3712</div> <div>SIC Description:</div> <div>IND. ORGANIC CHEM.</div> <div>--- Details ---</div> <div>Waste Code:</div> <div>146</div> <div>Waste Description:</div> <div>OTHER SPECIFIED INORGANICS</div> <div>+</div> <div>Waste Code:</div> <div>212</div> <div>Waste Description:</div> <div>ALIPHATIC SOLVENTS</div> <div>+</div> <div>Waste Code:</div> <div>232</div> <div>Waste Description:</div> <div>POLYMERIC RESINS</div> <div>+</div> <div>Waste Code:</div> <div>270</div> <div>Waste Description:</div> <div>OTHER SPECIFIED ORGANICS</div> </div>					
34	51 of 90	WNW/133.5	310.0	Mayflower Properties (Guelph) Inc. 256 Victoria Road South Guelph ON N1E 5R1	GEN
<div> <div>Generator #:</div> <div>ON1846500</div> <div>Approval Yrs:</div> <div>2010</div> <div>SIC Code:</div> <div>484221</div> </div>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
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			
Waste Description:		ALIPHATIC SOLVENTS			
+					
Waste Code:		241			
Waste Description:		HALOGENATED SOLVENTS			
+					
Waste Code:		213			
Waste Description:		PETROLEUM DISTILLATES			
+					
Waste Code:		251			
Waste Description:		OIL SKIMMINGS & SLUDGES			
+					
Waste Code:		122			
Waste Description:		ALKALINE WASTES - OTHER METALS			
+					
Waste Code:		268			
Waste Description:		AMINES			
+					
Waste Code:		270			
Waste Description:		OTHER SPECIFIED ORGANICS			
+					
Waste Code:		211			
Waste Description:		AROMATIC SOLVENTS			
+					
Waste Code:		266			
Waste Description:		PHENOLIC WASTES			
+					
Waste Code:		221			
Waste Description:		LIGHT FUELS			
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Waste Code: Waste Description:		113 ACID WASTE - OTHER METALS			
34	52 of 90	WNW/133.5	310.0	HART CHEMICAL (SEE&USE ON0005299) 256 VICTORIA RD. S. GUELPH 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			
34	53 of 90	WNW/133.5	310.0	HART CHEMICAL (SEE&USE ON0005299) 19-034 256 VICTORIA RD. S. GUELPH ON N1E 5R1	GEN
Generator #:		ON0095000			
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			
34	54 of 90	WNW/133.5	310.0	Nacan Products Limited 256 Victoria Road South Guelph ON N1E 5R1	PTTW
Year:		2005			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		IA05E1691 0017-6HQMER Instrument Decision Permit to take water - OWRA s. 34 256 Victoria Road South Guelph Ontario 60 West Drive Brampton Ontario L6T 4W7			
34	55 of 90	WNW/133.5	310.0	Nacan Products Ltd. 256 Victoria Road City of Guelph ON	PTTW
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		1999 IA9E0579 Instrument OWRA s. 34 - Permit to take water 5/5/99 City of Guelph Nacan Products Ltd.60 West Drive,Brampton, Ontario, L6T 4W7			
34	56 of 90	WNW/133.5	310.0	Akzo Nobel Canada Inc. Lot: 1, Concession: 2 256 Victoria Road South Guelph ON N1E 5R1	PTTW
Year: EBR Registry No.: Ministry Ref. No.: Type: Instrument Type: Proposal Date: Location: Proponent Address:		2012 011-6336 3174-8U5R22 Instrument Proposal (OWRA s. 34) - Permit to take water May 11, 2012 Lot: 1, Concession: 2 256 Victoria Road South, City of Guelph, County of Wellington CITY OF GUELPH 8200 Keele Street Vaughan Ontario Canada L4K 2A5			
34	57 of 90	WNW/133.5	310.0	HUNTSMAN CORPORATION CANADA 256 VICTORIA RD S GUELPH ON N1E 5R1	SCT
Established: Plant Size (ft²): Employment:		1960 0 100			
--- Details --- Description: SIC/NAICS Code: + Description: SIC/NAICS Code: + Description: SIC/NAICS Code: + Description: SIC/NAICS Code: + Description: SIC/NAICS Code: + Description: SIC/NAICS Code: +		All Other Basic Inorganic Chemical Manufacturing 325189 Resin and Synthetic Rubber Manufacturing 325210 Soap and Cleaning Compound Manufacturing 325610 All Other Miscellaneous Chemical Product Manufacturing 325999 INDUSTRIAL INORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED 2819 PLASTIC MATERIALS, SYNTHETIC RESINS, AND NONVULCANIZABLE ELASTOMERS 2821			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Description: SIC/NAICS Code: + Description: SIC/NAICS Code: + Description: SIC/NAICS Code:		SURFACE ACTIVE AGENTS, FINISHING AGENTS, SULFONATED OILS, AND ASSISTANTS 2843 INDUSTRIAL ORGANIC CHEMICALS, NOT ELSEWHERE CLASSIFIED 2869 CHEMICALS AND CHEMICAL PREPARATIONS, NOT ELSEWHERE CLASSIFIED 2899			
34	58 of 90	WNW/133.5	310.0	Huntsman Corporation Canada Inc. 256 Victoria Rd S Guelph ON N1E 5R1	SCT
Established: Plant Size (ft²): Employment: --- Details --- Description: SIC/NAICS Code: + Description: SIC/NAICS Code: + Description: SIC/NAICS Code:		1985 120 Other Basic Organic Chemical Manufacturing 325190 Urethane and Other Foam Product (except Polystyrene) Manufacturing 326150 All Other Plastic Product Manufacturing 326198			
34	59 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		148786 VALVE/FITTING LEAK OR FAILURE 11/4/1997 OVERSTRESS/OVERPRESSURE HUNTSMAN CORP- 10 KG OF LIQUID SO2 TO GROUND, NO VAPOUR OFFSITE. 11/4/1997 POSSIBLE Air Pollution LAND / AIR 75101			
34	60 of 90	WNW/133.5	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
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt:		88972 VALVE/FITTING LEAK OR FAILURE 7/26/1993 GASKET/JOINT TEXACO CHEMICAL - 25 L OFHCL TO AIR FROM LEAKING TANKER 7/26/1993			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Environmental Impact:		NOT ANTICIPATED			
Nature of Impact:					
Receiving Medium:		AIR			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		75101			
34	61 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO:		147675			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Dt:		10/10/1997			
Incident Reason:		OVERSTRESS/OVERPRESSURE			
Incident Summary:		HUNTSMAN CORP- 12 KG OF LIQUID SO2 TO GROUND, NO VAPOUR OFFSITE.			
MOE Reported Dt:		10/10/1997			
Environmental Impact:		POSSIBLE			
Nature of Impact:		Air Pollution			
Receiving Medium:		LAND / AIR			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		75101			
34	62 of 90	WNW/133.5	310.0	HUNTSMAN CORP GUELPH PLANT RD. GUELPH CITY ON	256 VICTORIA SPL
Ref NO:		139013			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		OTHER CAUSE (N.O.S.)			
Incident Dt:		4/3/1997			
Incident Reason:		FIRE/EXPLOSION			
Incident Summary:		HUNTSMAN CORP.-EXPLOSION BROWN & GREY CLOUD TO AIRFD AND MOEE TO SITE.			
MOE Reported Dt:		4/3/1997			
Environmental Impact:		POSSIBLE			
Nature of Impact:		Air Pollution			
Receiving Medium:		AIR			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		75101			
34	63 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA RD. S. GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO:		168858			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Dt:		6/13/1999			
Incident Reason:		UNKNOWN			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		HUNTSMAN CORP-2-5000 KG SPILL OF SURFACTANT DOSS- 70MS TO GRD. CLEANING. 6/13/1999 POSSIBLE Air Pollution LAND / AIR 75101			
34	64 of 90	WNW/133.5	310.0	HUNTSMAN CORP GUELPH PLANT RD. GUELPH CITY ON N1E 5R1	256 VICTORIA SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		180113 VALVE/FITTING LEAK OR FAILURE 4/28/2000 UNKNOWN HUNTSMAN CORP-XYLENE BY- PRODUCTS(90%) LEAK FROM TANK INTO DYKE, FD. 4/28/2000 NOT ANTICIPATED AIR 75101			
34	65 of 90	WNW/133.5	310.0	HART CHEMICALS GUELPH PLANT ROAD SOUTH GUELPH CITY ON	256 VICTORIA SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		3772 PROCESS UPSET 5/16/1988 FIRE/EXPLOSION HART CHEMICALS - ETHYLENEOXIDE FIRE 5/16/1988 AIR 75101			
34	66 of 90	WNW/133.5	310.0	HART CHEMICALS GUELPH PLANT ROAD SOUTH GUELPH CITY ON	256 VICTORIA SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause:		20738 VALVE/FITTING LEAK OR FAILURE			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Incident Dt: 6/20/1989 Incident Reason: OVERSTRESS/OVERPRESSURE Incident Summary: HART CHEMICALS- PROPYLENEOXIDE TO ATMOSPHERE. MOE Reported Dt: 6/20/1989 Environmental Impact: Nature of Impact: Receiving Medium: AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	67 of 90	WNW/133.5	310.0	HART CHEMICALS GUELPH PLANT ROAD SOUTH GUELPH CITY ON	256 VICTORIA SPL
Ref NO: 31639 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: PROCESS UPSET Incident Dt: 3/5/1990 Incident Reason: OVERSTRESS/OVERPRESSURE Incident Summary: HART CHEMICAL- 20 KG OF ETHYLENE OXIDE TO AIR. MOE Reported Dt: 3/5/1990 Environmental Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	68 of 90	WNW/133.5	310.0	HART CHEMICALS 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	SPL
Ref NO: 35176 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: PIPE/HOSE LEAK Incident Dt: 5/24/1990 Incident Reason: GASKET/JOINT Incident Summary: HART CHEMICALS- SULFUR DIOXIDE LEAK FROM A TANK TO ATMOSPHERE MOE Reported Dt: 5/24/1990 Environmental Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	69 of 90	WNW/133.5	310.0	HUNTSMAN CORP GUELPH PLANT RD. GUELPH CITY ON	256 VICTORIA SPL
Ref NO: 147565 Contaminant Code: Contaminant Name:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Contaminant Quantity: Incident Cause: UNKNOWN Incident Dt: 10/8/1997 Incident Reason: UNKNOWN Incident Summary: HUNTSMAN CORP.: 1350 L XYLENE TO CONTAINMENT DYKE. MOE Reported Dt: 10/8/1997 Environmental Impact: POSSIBLE Nature of Impact: Soil contamination Receiving Medium: LAND SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	70 of 90	WNW/133.5	310.0	HUNTSMAN CORP GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO: 115713 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: VALVE/FITTING LEAK OR FAILURE Incident Dt: 7/14/1995 Incident Reason: ERROR Incident Summary: HUNTSMAN CORP-0.5 GAL OF ETHYLENE OXIDE TO ATM FROM VALVE: ERROR MOE Reported Dt: 7/14/1995 Environmental Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	71 of 90	WNW/133.5	310.0	HUNTSMAN CORP GUELPH PLANT RD. GUELPH CITY ON	SPL
Ref NO: 152195 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: OTHER CAUSE (N.O.S.) Incident Dt: 2/6/1998 Incident Reason: OTHER Incident Summary: HUNTSMAN CORP-NONENE TO SUMP AND ODOURS TO RESIDENCE. MOE Reported Dt: 2/6/1998 Environmental Impact: POSSIBLE Nature of Impact: Air Pollution Receiving Medium: AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	72 of 90	WNW/133.5	310.0	HART CHEMICALS LTD. 256 VICTORIA RD. SOUTH GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON N1E 5R1	SPL
Ref NO: 46171 Contaminant Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Contaminant Name: Contaminant Quantity: Incident Cause: CONTAINER OVERFLOW Incident Dt: 1/30/1991 Incident Reason: EQUIPMENT FAILURE Incident Summary: HART CHEMICAL - UNKNOWN AMOUNT OF EFFLUENT TO STORM WATER TRENCH. MOE Reported Dt: 1/30/1991 Environmental Impact: POSSIBLE Nature of Impact: Soil contamination Receiving Medium: LAND SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	73 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO: 231824 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: OTHER CAUSE (N.O.S.) Incident Dt: 7/13/2002 Incident Reason: ERROR Incident Summary: HUNTSMAN:134,882 L OF HA-ZARDOUS WASTEWATER TO SA-NITARY SEWER.WORKS NOTIF. MOE Reported Dt: 7/13/2002 Environmental Impact: POSSIBLE Nature of Impact: Water course or lake Receiving Medium: LAND SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	74 of 90	WNW/133.5	310.0	HART CHEMICALS GUELPH PLANT ROAD SOUTH GUELPH CITY ON	SPL
Ref NO: 19669 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: VALVE/FITTING LEAK OR FAILURE Incident Dt: 6/4/1989 Incident Reason: EQUIPMENT FAILURE Incident Summary: HART CHEMICALS- HCL VAPOUR TO ATMOSPHERE. MOE Reported Dt: 6/4/1989 Environmental Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	75 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA RD. S. 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: 121176 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: PIPE/HOSE LEAK Incident Dt: 11/24/1995 Incident Reason: UNKNOWN Incident Summary: HUNTSMAN CORP-20-40 L OF LIQUID SO2 TO DIKE AREA. MOE Reported Dt: 11/24/1995 Environmental Impact: POSSIBLE Nature of Impact: Air Pollution Receiving Medium: LAND / AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	76 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO: 125131 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: OTHER CONTAINER LEAK Incident Dt: 4/18/1996 Incident Reason: EQUIPMENT FAILURE Incident Summary: HUNTSMAN CORP - 67.5 M3 PHENOL,INDOOR & OUTDOOR, VAPOURS TO ATM,EVACUATION MOE Reported Dt: 4/18/1996 Environmental Impact: CONFIRMED Nature of Impact: Air Pollution Receiving Medium: LAND / AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	77 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA STREET GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO: 117215 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: CONTAINER OVERFLOW Incident Dt: 8/14/1995 Incident Reason: STORM/FLOOD/WIND Incident Summary: HUNTSMAN CORP-900 L OF UNTREATED PROCESS WATER TO HOLDING POND. MOE Reported Dt: 8/15/1995 Environmental Impact: POSSIBLE Nature of Impact: Water course or lake Receiving Medium: WATER SAC Action Class: Sector Source Type: Site Municipality: 75101					
34	78 of 90	WNW/133.5	310.0	HART CHEMICALS LTD. GUELPH PLANT ROAD SOUTH	256 VICTORIA SPL

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
GUELPH CITY ON					
Ref NO:	69954				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	VALVE/FITTING LEAK OR FAILURE				
Incident Dt:	5/1/1992				
Incident Reason:	ERROR				
Incident Summary:	HART CHEMICAL LTD: 5-10KGHYDROGEN CHLORIDE TO ATM FROM SAFETY VENT.				
MOE Reported Dt:	5/1/1992				
Environmental Impact:	NOT ANTICIPATED				
Nature of Impact:	Other				
Receiving Medium:	AIR				
SAC Action Class:					
Sector Source Type:					
Site Municipality:	75101				
34	79 of 90	WNW/133.5	310.0	TEXACO CHEMICAL CANADA LTD. 256 VICTORIA RD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	SPL
Ref NO:	92277				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	PIPE/HOSE LEAK				
Incident Dt:	10/12/1993				
Incident Reason:	ERROR				
Incident Summary:	TEXACO CHEMICAL: 900L DIRTY WATER TO ERAMOSIA RIVER				
MOE Reported Dt:	10/12/1993				
Environmental Impact:	POSSIBLE				
Nature of Impact:	Water course or lake				
Receiving Medium:	WATER				
SAC Action Class:					
Sector Source Type:					
Site Municipality:	75101				
34	80 of 90	WNW/133.5	310.0	HART CHEMICALS GUELPH PLANT ROAD SOUTH GUELPH CITY ON	256 VICTORIA SPL
Ref NO:	22225				
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:	ABOVE-GROUND TANK LEAK				
Incident Dt:	7/15/1989				
Incident Reason:	ERROR				
Incident Summary:	HART CHEMICAL- 350 KG OF ETHYLENE OXIDE RELEASED FROM OUTSIDE TANK				
MOE Reported Dt:	7/18/1989				
Environmental Impact:	POSSIBLE				
Nature of Impact:	Other				
Receiving Medium:	AIR				
SAC Action Class:					
Sector Source Type:					
Site Municipality:	75101				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	81 of 90	WNW/133.5	310.0	CANADIAN PACIFIC RAILWAYS 256 VICTORIA TRAIN GUELPH CITY ON N1E 5R1	SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		113812	CONTAINER OVERFLOW 5/30/1995 EQUIPMENT FAILURE CPR-500 GRAMS PHENOL TO RAILCAR SIDE AND GRAVEL DURING SHUNTING.CLEANED. 5/30/1995 CONFIRMED Soil contamination LAND 75101		
34	82 of 90	WNW/133.5	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
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		99134	VALVE/FITTING LEAK OR FAILURE 4/26/1994 UNKNOWN HUNTSMAN CANADA:BETWEEN 45-450L OF PROPYLENE TO PAVE GROUND-CONTAINED 4/26/1994 POSSIBLE Human health LAND 75101		
34	83 of 90	WNW/133.5	310.0	HUNTSMAN CORP GUELPH PLANT RD. GUELPH CITY ON N1E 5R1	256 VICTORIA SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		171179	OTHER CAUSE (N.O.S.) 8/6/1999 OTHER HUNTSMAN CORP-1-2% NONENESOL'N VAPORS TO AIR, NON RESIDENTIAL. STABILIZING. 8/6/1999 CONFIRMED Air Pollution AIR 75101		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
34	84 of 90	WNW/133.5	310.0	TEXACO CHEMICAL CANADA LTD. GUELPH PLANT (FORMERLY HART CHEMICAL) 256 VICTORIA RD. S. GUELPH CITY ON N1E 5R1	SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		104700	VALVE/FITTING LEAK OR FAILURE 8/31/1994 UNKNOWN TEXACO CHEMICAL CANADA- <30 KG ETHYLENE OXIDE TO ATM FROM BROKEN DISC,FD. 8/31/1994 NOT ANTICIPATED AIR 75101		
34	85 of 90	WNW/133.5	310.0	HUNTSMAN CORP 256 VICTORIA ROAD SOUTH GUELPH PLANT 256 VICTORIA RD. GUELPH CITY ON N1E 5R1	SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type: Site Municipality:		173804	CONTAINER OVERFLOW 10/15/1999 OTHER HUNTSMAN:SOLVENT & DETERG-ENT SPILL (ZYLENE) -CONT-AINED & BEING CLEANED 10/15/1999 POSSIBLE Soil contamination LAND 75101		
34	86 of 90	WNW/133.5	310.0	HART CHEMICALS LTD. GUELPH PLANT ROAD SOUTH GUELPH CITY ON N1E 5R1	256 VICTORIA SPL
Ref NO: Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: Incident Dt: Incident Reason: Incident Summary: MOE Reported Dt: Environmental Impact: Nature of Impact: Receiving Medium: SAC Action Class: Sector Source Type:		53651	DYKE FAILURE 7/7/1991 MATERIAL FAILURE HART CHEMICAL LTD- 9 L SPILL OF FUEL ADDITIVE ONTO GROUND. CLEANED UP. 7/7/1991 NOT ANTICIPATED LAND		

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Site Municipality:		75101			
34	87 of 90	WNW/133.5	310.0	HUNTSMAN CORP GUELPH PLANT RD. GUELPH CITY ON	SPL
Ref NO:		128646			
Contaminant Code:					
Contaminant Name:					
Contaminant Quantity:					
Incident Cause:		VALVE/FITTING LEAK OR FAILURE			
Incident Dt:		7/1/1996			
Incident Reason:		EQUIPMENT FAILURE			
Incident Summary:		HUNTSMAN CORP:440KG SOAP BASE AND 100KG ETHYL OXIDE DISCHARGED.			
MOE Reported Dt:		7/1/1996			
Environmental Impact:		POSSIBLE			
Nature of Impact:		Air Pollution			
Receiving Medium:		LAND / AIR			
SAC Action Class:					
Sector Source Type:					
Site Municipality:		75101			
34	88 of 90	WNW/133.5	310.0	Polymer Distribution Inc. 256 Victoria Rd S 256 VICTORIA ROAD SOUTH Guelph ON N1E 5R1	SPL
Ref NO:		3034-6VFPDS			
Contaminant Code:		99			
Contaminant Name:		Unknown			
Contaminant Quantity:		Not Specified Not Specified			
Incident Cause:		Other Discharges			
Incident Dt:		11/11/2006			
Incident Reason:		Unknown - Reason not determined			
Incident Summary:		Guelph: foam(white) spilling from silo			
MOE Reported Dt:		11/11/2006			
Environmental Impact:		Possible			
Nature of Impact:		Human Health/Safety; Other Impact(s)			
Receiving Medium:		Land			
SAC Action Class:					
Sector Source Type:		Other			
Site Municipality:		Guelph			
34	89 of 90	WNW/133.5	310.0	Polymer Distribution Inc. 256 Victoria Rd Guelph City ON	WDS
Certificate No.:		6713-9Z9P6D			
Issue Date:		2016-07-26			
Status:		Approved			
Application Status:					
Concession:					
Lot:					
Region/County:		Guelph City			
Proponent:					
Address:					
City:					
Facility Type:					
District Office:					
Municipalities Served:					
Total Area (ha):					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Landfill Capacity (m³):					
Landfill Monitoring:					
Landfill Control Type:					
Est. Closure Date:					
Transfer Area (ha):					
Transfer Capacity (m³):					
Transfer Sites Certificate No.:					
Incinerator Area (ha):					
Incinerator Capacity (t):					
Processing Area (m³):					
Processing Capacity (m³/d):					
Processing Volume (m³):					
Processing Feed (m³):					
Mobile Units:					
Mobile Description:					
Mobile Capacity:					
Mobile Unit Certificate No.:					
Waste Type:					
Waste Type Other:					
Waste Class:					
Other Approvals/Permits:					
Approval Description:					
Waste Description:					
Site Closing Description:					
PDF URL:				https://www.accessenvironment.ene.gov.on.ca/instruments/7670-A9ZKYQ-14.pdf	
Record Type:					
Project Type:				Waste Disposal Sites	

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elevation (m)</i>	<i>Site</i>	<i>DB</i>
Waste Type Other: Waste Class: Other Approvals/Permits: Approval Description: Waste Description: Site Closing Description: PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/6673-A67SQD-14.pdf Record Type: Project Type: Waste Disposal Sites					
35	1 of 8	WNW/141.9	310.0	HART CHEMICAL LIMITED GUELPH ON	CHEM
List Name: Mailing City: GUELPH Mailing Address: 256 VICTORIA ROAD SOUTH Mailing Address 2: Business: Description:					
35	2 of 8	WNW/141.9	310.0	Huntsman Corporation Canada City of Guelph ON	EBR
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					
35	3 of 8	WNW/141.9	310.0	Huntsman Corporation Canada City of Guelph ON	EBR
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					
35	4 of 8	WNW/141.9	310.0	Polymer Distribution Inc. 256 Victoria Road South Guelph ON	GEN
Generator #: ON1846500 Approval Yrs: 2013 SIC Code: 484221 SIC Description: BULK LIQUIDS TRUCKING, LOCAL --- Details --- Waste Code: 213 Waste Description: PETROLEUM DISTILLATES					

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
35	5 of 8	WNW/141.9	310.0	HUNTSMAN CORPORATION CANADA INC 256 Victoria Road South Guelph ON N1H6K8	NPRI
Longitude: NPRI #: 7200001436 Year: 2006 Latitude:					
35	6 of 8	WNW/141.9	310.0	HART CHEMICALS VICTORIA RD. GUELPH PLANT 256 VICTORIA ROAD SOUTH GUELPH CITY ON	SPL
Ref NO: 37493 Contaminant Code: Contaminant Name: Contaminant Quantity: Incident Cause: PIPE/HOSE LEAK Incident Dt: 7/10/1990 Incident Reason: EQUIPMENT FAILURE Incident Summary: HART CHEMICAL -HCL VAPOUR TO ATM. AFTER HYDROGEN CHLORIDE SPILL IN PLANT. MOE Reported Dt: 7/10/1990 Environmental Impact: NOT ANTICIPATED Nature of Impact: Receiving Medium: AIR SAC Action Class: Sector Source Type: Site Municipality: 75101					
35	7 of 8	WNW/141.9	310.0	Polymer Distribution Inc. 256 Victoria Rd Guelph City ON	WDS
Certificate No.: 6713-9Z9P6D Issue Date: 2015-11-23 Status: Amended Application Status: Concession: Lot: Region/County: Guelph City Proponent: Address: City: Facility Type: District Office: Municipalities Served: Total Area (ha): Landfill Capacity (m³): Landfill Monitoring: Landfill Control Type: Est. Closure Date: Transfer Area (ha): Transfer Capacity (m³): Transfer Sites Certificate No.: Incinerator Area (ha): Incinerator Capacity (t): Processing Area (m³): Processing Capacity (m³/d): Processing Volume (m³): Processing Feed (m³): Mobile Units: Mobile Description:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Mobile Capacity: Mobile Unit Certificate No.: Waste Type: Waste Type Other: Waste Class: Other Approvals/Permits: Approval Description: Waste Description: Site Closing Description: PDF URL: https://www.accessenvironment.ene.gov.on.ca/instruments/5651-9WGMKA-14.pdf Record Type: ECA Project Type: Waste Disposal Sites					

35	8 of 8	WNW/141.9	310.0	GUELPH ON	WWIS
Well ID: 7041825 Construction Date: Primary Water Use: Commerical Sec. Water Use: Final Well Status: Observation Wells Specific Capacity: Municipality: GUELPH CITY County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Bore Hole Information					
--					
Bore Hole ID: 11764328					
DP2BR:					
Code OB: o					
Code OB Description: Overburden					
Open Hole:					
Date Completed: 08-DEC-06					
Remarks:					
Zone:					
East 83:					
North 83:					
UTMRC:					
UTMRC Description:					
Location Method:					
Org CS:					
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Overburden and Bedrock					
Materials Interval					
--					
Formation ID: 933095234					
Layer: 1					
General Color: BROWN					
Most Common Material: TOPSOIL					
Other Materials:					
Other Materials:					
Formation Top Depth: 0					
Formation End Depth: 1					
Formation End Depth UOM: ft					
--					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Formation ID:		933095235			
Layer:		2			
General Color:		BROWN			
Most Common Material:		STONES			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		1			
Formation End Depth:		25			
Formation End Depth UOM:		ft			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933315823			
Layer:		1			
Plug From:		0			
Plug To:		16			
Plug Depth UOM:		ft			
--		--			
Plug ID:		933315824			
Layer:		2			
Plug From:		16			
Plug To:		25			
Plug Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		967041825			
Method Construction Code:		2			
Method Construction:		Rotary (Convent.)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11772048			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930897094			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:		-2			
Depth To:		19			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930897095			
Layer:		2			
Open Hole or Material:		STEEL			
Depth From:		23			
Depth To:		25			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
--		--			
Construction Record - Screen					
--		--			
Screen ID:		933423638			
Layer:		1			
Slot:		20			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen Top Depth:		19			
Screen End Depth:		23			
Screen Material:		1			
Screen Depth UOM:		ft			
Screen Diameter UOM:		inch			
Screen Diameter:		6			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		11777763			
Pump Set At:		20			
Static Level:		5			
Final Level After Pumping:					
Recommended Pump Depth:		20			
Pumping Rate:		30			
Flowing Rate:					
Recommended Pump Rate:		20			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:					
Water State After Test:					
Pumping Test Method:		2			
Pumping Duration HR:		1			
Pumping Duration MIN:		30			
Flowing:					
--		--			
Water Details					
--		--			
Water ID:		934084790			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		19			
Water Found Depth UOM:		ft			
--		--			
Hole Diameter					
--		--			
Hole ID:		11850556			
Diameter:		10.625			
Depth From:		0			
Depth To:		25			
Hole Depth UOM:		ft			
Hole Diameter UOM:		inch			
--		--			
--		--			

[36](#)

1 of 19

WNW/127.3

310.0

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

NPRI

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

--- Details ---

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

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Substances Released: Toluene-2,4-diisocyanate Land: + Units: tonnes Air: .001 Water: Substances Released: Acetone Land: + Units: tonnes Air: Water: Substances Released: Hydrochloric acid Land: + Units: tonnes Air: Water: Substances Released: Polymeric diphenylmethane diisocyanate Land: + Units: tonnes Air: Water: Substances Released: Toluene-2,6-diisocyanate Land:					
36	2 of 19	WNW/127.3	310.0	MAYFLOWER PROPERTIES (GUELPH) INC. 256 Victoria Road Guelph ON N1E5R1	NPRI
Longitude: -80.2202 NPRI #: 0000001436 Year: 2010 Latitude: 43.5509 --- Details --- Units: tonnes Air: Water: Substances Released: Methylenebis(phenylisocyanate) Land: + Units: tonnes Air: Water: Substances Released: Toluene Land: + Units: tonnes Air: Water: Substances Released: n-Hexane Land: + Units: tonnes Air: .44 Water: Substances Released: Nitrogen oxides (expressed as NO2) Land: + Units: tonnes Air: Water: Substances Released: Diethanolamine (and its salts)					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land:	3 of 19	tonnes Formaldehyde tonnes Toluene-2,4-diisocyanate tonnes .37 Carbon monoxide tonnes Benzene tonnes .0026 Sulphur dioxide tonnes Hydrochloric acid tonnes Methyl ethyl ketone tonnes Polymeric diphenylmethane diisocyanate tonnes Toluene-2,6-diisocyanate tonnes Phosphorus (total)	310.0	MAYFLOWER PROPERTIES (GUELPH) INC. 256 Victoria Road Guelph ON N1E5R1	NPRI

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		2011			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Methylenebis(phenylisocyanate)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Toluene-2,4-diisocyanate			
Land:					
+					
Units:		tonnes			
Air:		.001			
Water:					
Substances Released:		Acetone			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Polymeric diphenylmethane diisocyanate			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Toluene-2,6-diisocyanate			
Land:					
<hr/>					
36	4 of 19	WNW/127.3	310.0	Guelph Chemical Plant Guelph ON	NPRI
<hr/>					
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		1993			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:		.161			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		.13			
Water:		0			
Substances Released:					
Land:		0			
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Units:		tonnes			
Air:		0			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		0			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		37.369			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		.13			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		0			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		.13			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		0			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		1.152			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		0			
Water:		0			
Substances Released:					
Land:		0			
+					
Units:		tonnes			
Air:		3.953			
Water:		0			
Substances Released:					
Land:		0			
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Units:		tonnes			
Air:		13.493			
Water:		0			
Substances Released:					
Land:		0			
36	5 of 19	WNW/127.3	310.0	MAYFLOWER PROPERTIES (GUELPH) INC. 256 Victoria Road Guelph ON N1E5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		2009			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Toluene			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		n-Hexane			
Land:					
+					
Units:		tonnes			
Air:		.468			
Water:					
Substances Released:		Nitrogen oxides (expressed as NO2)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Formaldehyde			
Land:					
+					
Units:		tonnes			
Air:		.393			
Water:					
Substances Released:		Carbon monoxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Benzene			
Land:					
+					
Units:		tonnes			
Air:		.003			
Water:					
Substances Released:		Sulphur dioxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
36	6 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION Guelph 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude: -80.2202 NPRI #: 0000001436 Year: 1995 Latitude: 43.5509					
--- Details ---					
Units: tonnes					
Air: 1.64					
Water:					
Substances Released: Phenol (and its salts)					
Land:					
+					
Units: tonnes					
Air: 1.55					
Water:					
Substances Released: Xylene (mixed isomers)					
Land:					
+					
Units: tonnes					
Air: .07					
Water:					
Substances Released: Methanol					
Land:					
+					
Units: tonnes					
Air: 2.356					
Water:					
Substances Released: Ethylene oxide					
Land:					
+					
Units: tonnes					
Air: .556					
Water:					
Substances Released: Propylene oxide					
Land:					
+					
Units: tonnes					
Air: .1					
Water:					
Substances Released: Hydrochloric acid					
Land:					
+					
Units: tonnes					
Air:					
Water:					
Substances Released: Ethylene glycol					
Land:					
+					
Units: tonnes					
Air: .27					
Water:					
Substances Released: Toluene					
Land:					
36	7 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude: -80.2202 NPRI #: 0000001436 Year: 1998					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:		.1			
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					
Units:		tonnes			
Air:		.5			
Water:					
Substances Released:		Toluene			
Land:					
+					
Units:		tonnes			
Air:		.2			
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		1.3			
Water:					
Substances Released:		1,4-Dioxane			
Land:					
+					
Units:		tonnes			
Air:		1.6			
Water:					
Substances Released:		Xylene (mixed isomers)			
Land:					
+					
Units:		tonnes			
Air:		.03			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		2.4			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.6			
Water:					
Substances Released:		Propylene oxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Substances Released: Land:		Sulphuric acid			
36	8 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC 256 Victoria Road Guelph ON N1E5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		2004			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:		7.863			
Water:					
Substances Released:		Nitrous oxide			
Land:					
+					
Units:		tonnes			
Air:		.034			
Water:		0			
Substances Released:		Ethylbenzene			
Land:		0			
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:		.003			
Water:		0			
Substances Released:		Maleic anhydride			
Land:		0			
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		7.863			
Water:					
Substances Released:		Nitrogen oxides (expressed as NO2)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		6722.211			
Water:					
Substances Released:		Carbon dioxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Xylene (all isomers)			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Land:					
+					
Units:		tonnes			
Air:		4.7			
Water:					
Substances Released:		Carbon monoxide			
Land:					
+					
Units:		tonnes			
Air:		.01			
Water:		0			
Substances Released:		Methanol			
Land:		0			
+					
Units:		tonnes			
Air:		1.03			
Water:					
Substances Released:		Sulphur dioxide			
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Methane			
Land:					
+					
Units:		tonnes			
Air:		.343			
Water:		0			
Substances Released:		Ethylene oxide			
Land:		0			
+					
Units:		tonnes			
Air:		.33			
Water:		0			
Substances Released:		Propylene oxide			
Land:		0			
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		HFC-134a Hydrofluorocarbon			
Land:					
<hr/>					
36	9 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		1996			
Latitude:		43.5509			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
--- Details ---					
Units:		tonnes			
Air:		1.387			
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		2.28			
Water:					
Substances Released:		Xylene (mixed isomers)			
Land:					
+					
Units:		tonnes			
Air:		.07			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		2.356			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.556			
Water:					
Substances Released:		Propylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.07			
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:		.542			
Water:					
Substances Released:		Toluene			
Land:					
<u>36</u>	10 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		2000			
Latitude:		43.5509			
--- Details ---					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Units:		tonnes			
Air:		.3			
Water:					
Substances Released:		Ethylbenzene			
Land:					
+					
Units:		tonnes			
Air:		.02			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		.337			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.33			
Water:					
Substances Released:		Propylene oxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Nonylphenol, industrial			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Nonylphenol polyethylene glycol ether			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:		.1			
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					
Units:		tonnes			
Air:		.426			
Water:					
Substances Released:		Toluene			
Land:					
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Units:		tonnes			
Air:		.146			
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		.027			
Water:					
Substances Released:		1,4-Dioxane			
Land:					
+					
Units:		tonnes			
Air:		1.56			
Water:					
Substances Released:		Xylene (mixed isomers)			
Land:					
36	11 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road Guelph ON N1E5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		2003			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:		.199			
Water:					
Substances Released:		Ethylbenzene			
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:		.006			
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Toluene			
Land:					
+					
Units:		tonnes			
Air:		.165			
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Air:		7.877			
Water:					
Substances Released:		Nitrogen oxides (expressed as NO2)			
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		1,4-Dioxane			
Land:					
+					
Units:		tonnes			
Air:		1.14			
Water:					
Substances Released:		Xylene (all isomers)			
Land:					
+					
Units:		tonnes			
Air:		1.969			
Water:					
Substances Released:		Carbon monoxide			
Land:					
+					
Units:		tonnes			
Air:		.02			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		.913			
Water:					
Substances Released:		Sulphur dioxide			
Land:					
+					
Units:		tonnes			
Air:		.34			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.33			
Water:					
Substances Released:		Propylene oxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Air: Water: Substances Released: Nonylphenol and its ethoxylates Land: + Units: tonnes Air: Water: Substances Released: Octylphenol and its ethoxylates Land:					
36	12 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude: -80.2202 NPRI #: 0000001436 Year: 2001 Latitude: 43.5509					
--- Details ---					
Units: tonnes Air: 0 Water: Substances Released: Diethanolamine (and its salts) Land: + Units: tonnes Air: .023 Water: Substances Released: 1,4-Dioxane Land: + Units: tonnes Air: 1.479 Water: Substances Released: Xylene (mixed isomers) Land: + Units: tonnes Air: .016 Water: Substances Released: Methanol Land: + Units: tonnes Air: .342 Water: Substances Released: Ethylene oxide Land: + Units: tonnes Air: .33 Water: Substances Released: Propylene oxide Land: + Units: tonnes Air: 0 Water: Substances Released: Hydrochloric acid Land: + Units: tonnes Air: .31					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Water: Substances Released: Ethylbenzene Land: + Units: tonnes Air: 0 Water: Substances Released: Ethylene glycol Land: + Units: tonnes Air: 0 Water: Substances Released: Maleic anhydride Land: + Units: tonnes Air: .087 Water: Substances Released: Toluene Land: + Units: tonnes Air: .255 Water: Substances Released: Phenol (and its salts) Land: + Units: tonnes Air: 0 Water: Substances Released: Sulphuric acid Land: + Units: tonnes Air: 0 Water: Substances Released: Nonylphenol, industrial Land: + Units: tonnes Air: 0 Water: Substances Released: Nonylphenol polyethylene glycol ether Land:					
36	13 of 19	WNW/127.3	310.0	Mayflower Properties (Guelph) Inc. 256 Victoria Road Guelph ON N1E5R1	NPRI
Longitude: -80.2202 NPRI #: 0000001436 Year: 2014 Latitude: 43.5509 --- Details --- Units: tonnes Air: Water: Substances Released: Hydrochloric acid Land:					
36	14 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC 256 Victoria Road	NPRI

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Guelph ON N1E5R1					
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		2005			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylbenzene			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		4			
Water:					
Substances Released:		Nitrogen oxides (expressed as NO2)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Xylene (all isomers)			
Land:					
+					
Units:		tonnes			
Air:		.57			
Water:					
Substances Released:		Carbon monoxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		.627			
Water:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land: + Units: Air: Water: Substances Released: Land:					
		Sulphur dioxide			
		tonnes			
		Ethylene oxide			
		tonnes			
		Propylene oxide			
		tonnes			
		Hydrochloric acid			
		tonnes			
		Sulphuric acid			
36	15 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude: NPRI #: Year: Latitude:					
		-80.2202			
		0000001436			
		2002			
		43.5509			
--- Details ---					
Units:		tonnes			
Air:		.298			
Water:					
Substances Released:		Ethylbenzene			
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					
Units:		tonnes			
Air:		.512			
Water:					
Substances Released:		Toluene			
Land:					
+					
Units:		tonnes			
Air:		.056			
Water:					
Substances Released:		Phenol (and its salts)			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		.388			
Water:					
Substances Released:		1,4-Dioxane			
Land:					
+					
Units:		tonnes			
Air:		1.416			
Water:					
Substances Released:		Xylene (mixed isomers)			
Land:					
+					
Units:		tonnes			
Air:		2.098			
Water:					
Substances Released:		Carbon monoxide			
Land:					
+					
Units:		tonnes			
Air:		.02			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		.951			
Water:					
Substances Released:		Sulphur dioxide			
Land:					
+					
Units:		tonnes			
Air:		.346			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.33			
Water:					
Substances Released:		Propylene oxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Nonylphenol, industrial			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Land:					
+					
Units:		tonnes			
Air:		0			
Water:					
Substances Released:		Nonylphenol polyethylene glycol ether			
Land:					
+					
Units:		kg			
Air:					
Water:					
Substances Released:		Mercury (and its compounds)			
Land:					
+					
Units:		tonnes			
Air:		8.392			
Water:					
Substances Released:		Nitrogen oxides (expressed as NO2)			
Land:					
<hr/>					
36	16 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION Guelph 256 Victoria Road South Guelph ON N1H 6K8	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		1994			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Phenol			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Diethanolamine			
Land:					
+					
Units:		tonnes			
Air:		1.153			
Water:					
Substances Released:		Xylene (mixed isomers)			
Land:					
+					
Units:		tonnes			
Air:		.073			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		20.88			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		1.119			
Water:					
Substances Released:		Propylene oxide			
Land:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
+					
Units:		tonnes			
Air:		.13			
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					
Units:		tonnes			
Air:		.321			
Water:					
Substances Released:		Toluene			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Phosphoric acid			
Land:					
+					
Units:		tonnes			
Air:		.13			
Water:					
Substances Released:		Ammonia			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Peracetic acid			
Land:					
<hr/>					
36	17 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		1999			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:		.1			
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Units:		tonnes			
Air:		.53			
Water:					
Substances Released:		Toluene			
Land:					
+					
Units:		tonnes			
Air:		.17			
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Nonylphenol, industrial			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Nonylphenol polyethylene glycol ether			
Land:					
+					
Units:		tonnes			
Air:		.03			
Water:					
Substances Released:		1,4-Dioxane			
Land:					
+					
Units:		tonnes			
Air:		1.8			
Water:					
Substances Released:		Xylene (mixed isomers)			
Land:					
+					
Units:		tonnes			
Air:		.03			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		.45			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.31			
Water:					
Substances Released:		Propylene oxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
<hr/>					
36	18 of 19	WNW/127.3	310.0	HUNTSMAN CORPORATION CANADA INC. 256 Victoria Road South Guelph ON N1E 5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		1997			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:		2.3			
Water:					
Substances Released:		Xylene (mixed isomers)			
Land:					
+					
Units:		tonnes			
Air:		.09			
Water:					
Substances Released:		Methanol			
Land:					
+					
Units:		tonnes			
Air:		2.4			
Water:					
Substances Released:		Ethylene oxide			
Land:					
+					
Units:		tonnes			
Air:		.6			
Water:					
Substances Released:		Propylene oxide			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Sulphuric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Ethylene glycol			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Maleic anhydride			
Land:					
+					
Units:		tonnes			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
<hr/>					
Air:		.38			
Water:					
Substances Released:		Toluene			
Land:					
+					
Units:		tonnes			
Air:		.2			
Water:					
Substances Released:		Phenol (and its salts)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Diethanolamine (and its salts)			
Land:					
+					
Units:		tonnes			
Air:		.6			
Water:					
Substances Released:		1,4-Dioxane			
Land:					
<hr/>					
36	19 of 19	WNW/127.3	310.0	MAYFLOWER PROPERTIES (GUELPH) INC. 256 Victoria Road Guelph ON N1E5R1	NPRI
Longitude:		-80.2202			
NPRI #:		0000001436			
Year:		2013			
Latitude:		43.5509			
--- Details ---					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Methylenebis(phenylisocyanate)			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Toluene-2,4-diisocyanate			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Hydrochloric acid			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Polymeric diphenylmethane diisocyanate			
Land:					
+					
Units:		tonnes			
Air:					
Water:					
Substances Released:		Toluene-2,6-diisocyanate			
Land:					
<hr/>					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
37	1 of 1	WNW/52.3	310.1	ON	BORE
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			
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.			
38	1 of 1	WNW/63.5	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			
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.			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
+					
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)
39	1 of 1	WNW/66.0	310.8	ON	BORE
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)
40	1 of 1	SE/204.1	336.8	555 Stone Road E Guelph ON	SPL
Ref NO:	6440-984TYJ				
Contaminant Code:	13				
Contaminant Name:	DIESEL FUEL				
Contaminant Quantity:	20 L				
Incident Cause:	Leak/Break				
Incident Dt:	27-MAY-13				
Incident Reason:	Unknown / N/A				
Incident Summary:	truck tipped: 50 L operating fluids to grd, cleaning				
MOE Reported Dt:	27-MAY-13				
Environmental Impact:	Confirmed				
Nature of Impact:	Soil Contamination				
Receiving Medium:					
SAC Action Class:	Land Spills				
Sector Source Type:	Motor Vehicle				
Site Municipality:	Guelph				
41	1 of 1	WNW/151.3	310.1	ON	WWIS
Well ID:	6711889			Lot:	
Construction Date:				Concession:	
Primary Water Use:				Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Abandoned-Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH CITY			UTM Reliability:	
County:	WELLINGTON				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Bore Hole Information					
--	--	--	--	--	--
Bore Hole ID:		10475722			
DP2BR:					
Code OB:		--			
Code OB Description:		No formation data			
Open Hole:					
Date Completed:		03-MAY-94			
Remarks:					
Zone:		17			
East 83:		562952.3			
North 83:		4822291			
UTMRC:		3			
UTMRC Description:		margin of error : 10 - 30 m			
Location Method:		gps			
Org CS:					
Elevation:		310.13			
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--	--	--	--	--
Method of Construction & Well Use					
--	--	--	--	--	--
Method Construction ID:		966711889			
Method Construction Code:					
Method Construction:					
Other Method Construction:					
--	--	--	--	--	--
Pipe Information					
--	--	--	--	--	--
Pipe ID:		11024292			
Casing Number:		1			
Comment:					
Alt Name:					
--	--	--	--	--	--
Construction Record - Casing					
--	--	--	--	--	--
Casing ID:		930774924			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		80			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--	--	--	--	--
Casing ID:		930774925			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		164			
Casing Diameter:					
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--	--	--	--	--	--
Well Yield Testing					
--	--	--	--	--	--
Pump Test ID:		996711889			
Pump Set At:					
Static Level:		-1			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Final Level After Pumping: Recommended Pump Depth: Pumping Rate: 50 Flowing Rate: 1 Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: Pumping Test Method: 1 Pumping Duration HR: Pumping Duration MIN: Flowing: N -- --					

42	1 of 1	WNW/103.9	311.0	GUELPH ON	WWIS
Well ID: 6715405 Construction Date: Primary Water Use: Not Used Sec. Water Use: Final Well Status: Observation Wells Specific Capacity: Municipality: GUELPH CITY County: WELLINGTON Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:					
Bore Hole Information -- Bore Hole ID: 11327191 DP2BR: Code OB: o Code OB Description: Overburden Open Hole: Date Completed: 07-JUL-05 Remarks: Zone: 17 East 83: 562902 North 83: 4822193 UTMRC: UTMRC Description: Location Method: wwr Org CS: UTM83 Elevation: 310.8 Elevrc: Elevrc Description: Location Source Date: Source Revision Comment: Improvement Location Source: Improvement Location Method: Supplier Comment: Spatial Status: -- Overburden and Bedrock Materials Interval -- Formation ID: 933035225 Layer: 1 General Color: Most Common Material: Other Materials: Other Materials: Formation Top Depth: 0 Formation End Depth: .15					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Formation End Depth UOM:		m			
--		--			
Formation ID:		933035226			
Layer:		2			
General Color:					
Most Common Material:		SAND			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		.15			
Formation End Depth:		2.2			
Formation End Depth UOM:		m			
--		--			
Formation ID:		933035227			
Layer:		3			
General Color:					
Most Common Material:		SAND			
Other Materials:		GRAVEL			
Other Materials:					
Formation Top Depth:		2.2			
Formation End Depth:		6			
Formation End Depth UOM:		m			
--		--			
Annular Space/Abandonment Sealing Record					
--		--			
Plug ID:		933273363			
Layer:		1			
Plug From:		0			
Plug To:		.15			
Plug Depth UOM:		m			
--		--			
Plug ID:		933273364			
Layer:		2			
Plug From:		.15			
Plug To:		2.7			
Plug Depth UOM:		m			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966715405			
Method Construction Code:		6			
Method Construction:		Boring			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11342046			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930871982			
Layer:		1			
Open Hole or Material:					
Depth From:		0			
Depth To:		3			
Casing Diameter:		5.1			
Casing Diameter UOM:		cm			
Casing Depth UOM:		m			
--		--			
--		--			
Construction Record - Screen					
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen ID:		933413722			
Layer:		1			
Slot:		10			
Screen Top Depth:		3			
Screen End Depth:		6			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.4			
--		--			
Hole Diameter					
--		--			
Hole ID:		11548112			
Diameter:		15			
Depth From:		0			
Depth To:		6			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
43	1 of 1	E/157.5	311.6	lot 1 con 9 ON	WWIS
Well ID:	6707126			Lot:	001
Construction Date:				Concession:	09
Primary Water Use:	Domestic			Concession Name:	CON
Sec. Water Use:				Easting NAD83:	
Final Well Status:	Water Supply			Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	PUSLINCH TOWNSHIP			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--	--				
Bore Hole ID:	10471191				
DP2BR:					
Code OB:	0				
Code OB Description:	Overburden				
Open Hole:					
Date Completed:	12-NOV-79				
Remarks:					
Zone:	17				
East 83:	564814.3				
North 83:	4821773				
UTMRC:	5				
UTMRC Description:	margin of error : 100 m - 300 m				
Location Method:	p5				
Org CS:					
Elevation:	312.27				
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock					
Materials Interval					
--	--				
Formation ID:	932634195				
Layer:	1				
General Color:	BROWN				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Most Common Material:		CLAY			
Other Materials:		SAND			
Other Materials:		GRAVEL			
Formation Top Depth:		0			
Formation End Depth:		22			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932634196			
Layer:		2			
General Color:		BROWN			
Most Common Material:		STONES			
Other Materials:					
Other Materials:					
Formation Top Depth:		22			
Formation End Depth:		50			
Formation End Depth UOM:		ft			
--		--			
Formation ID:		932634197			
Layer:		3			
General Color:		BLACK			
Most Common Material:		STONES			
Other Materials:					
Other Materials:					
Formation Top Depth:		50			
Formation End Depth:		87			
Formation End Depth UOM:		ft			
--		--			
Method of Construction & Well Use					
--		--			
Method Construction ID:		966707126			
Method Construction Code:		4			
Method Construction:		Rotary (Air)			
Other Method Construction:					
--		--			
Pipe Information					
--		--			
Pipe ID:		11019761			
Casing Number:		1			
Comment:					
Alt Name:					
--		--			
Construction Record - Casing					
--		--			
Casing ID:		930766739			
Layer:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		25			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Casing ID:		930766740			
Layer:		2			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		87			
Casing Diameter:		5			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
--		--			
Well Yield Testing					
--		--			
Pump Test ID:		996707126			
Pump Set At:					

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Static Level:		26			
Final Level After Pumping:		48			
Recommended Pump Depth:		60			
Pumping Rate:		12			
Flowing Rate:					
Recommended Pump Rate:		12			
Levels UOM:		ft			
Rate UOM:		GPM			
Water State After Test Code:		1			
Water State After Test:		CLEAR			
Pumping Test Method:		1			
Pumping Duration HR:		1			
Pumping Duration MIN:		0			
Flowing:		N			
--		--			
Draw Down & Recovery					
--		--			
Pump Test Detail ID:		934345874			
Pump Test ID:		996707126			
Test Type:		Recovery			
Test Duration:		15			
Test Level:		26			
Test Level UOM:		ft			
--		--			
--		--			
Water Details					
--		--			
Water ID:		933960234			
Layer:		1			
Kind Code:		3			
Kind:		SULPHUR			
Water Found Depth:		86			
Water Found Depth UOM:		ft			
--		--			
--		--			

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1 of 1

WNW/187.3

312.0

GUELPH ON

WWIS

Well ID:	7046359	Lot:	
Construction Date:		Concession:	
Primary Water Use:		Concession Name:	
Sec. Water Use:		Easting NAD83:	
Final Well Status:	Abandoned-Other	Northing NAD83:	
Specific Capacity:		Zone:	
Municipality:	GUELPH CITY	UTM Reliability:	
County:	WELLINGTON		

Bore Hole Information

--	--
Bore Hole ID:	23046359
DP2BR:	
Code OB:	
Code OB Description:	
Open Hole:	
Date Completed:	27-JUN-07
Remarks:	
Zone:	17
East 83:	562871
North 83:	4822281
UTMRC:	3
UTMRC Description:	margin of error : 10 - 30 m
Location Method:	wwr
Org CS:	UTM83
Elevation:	311.3

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--					
Annular Space/Abandonment Sealing Record					
--					
Plug ID:		44000859			
Layer:		1			
Plug From:		0			
Plug To:		2			
Plug Depth UOM:		m			
--					
Plug ID:		44000858			
Layer:		2			
Plug From:		3			
Plug To:		6			
Plug Depth UOM:		m			
--					
Pipe Information					
--					
Pipe ID:		29046359			
Casing Number:		0			
Comment:					
Alt Name:					
--					

45

1 of 1

WNW/247.9

312.0

GUELPH ON

WWIS

Well ID:

6714879

Construction Date:

Primary Water Use:

Sec. Water Use:

Final Well Status:

Observation Wells

Specific Capacity:

Municipality:

GUELPH CITY

County:

WELLINGTON

Bore Hole Information

--

Bore Hole ID:

11108231

DP2BR:

0

Code OB:

h

Code OB Description:

Mixed in a Layer

Open Hole:

Date Completed:

15-APR-04

Remarks:

Zone:

17

East 83:

562865

North 83:

4822350

UTMRC:

5

UTMRC Description:

margin of error : 100 m - 300 m

Location Method:

wwr

Org CS:

UTM83

Elevation:

311.87

Elevrc:

Elevrc Description:

Location Source Date:

Source Revision Comment:

Lot:

Concession:

Concession Name:

Easting NAD83:

Northing NAD83:

Zone:

UTM Reliability:

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--	--				
Overburden and Bedrock					
Materials Interval					
--	--				
Formation ID:	932965570				
Layer:	1				
General Color:	BROWN				
Most Common Material:	SAND				
Other Materials:	GRAVEL				
Other Materials:	ROCK				
Formation Top Depth:	0				
Formation End Depth:	4.5				
Formation End Depth UOM:	m				
--	--				
Annular Space/Abandonment					
Sealing Record					
--	--				
Plug ID:	933252091				
Layer:	1				
Plug From:	0				
Plug To:	.3				
Plug Depth UOM:	m				
--	--				
Plug ID:	933252092				
Layer:	2				
Plug From:	.3				
Plug To:	1.4				
Plug Depth UOM:	m				
--	--				
Method of Construction & Well					
Use					
--	--				
Method Construction ID:	966714879				
Method Construction Code:	6				
Method Construction:	Boring				
Other Method Construction:					
--	--				
Pipe Information					
--	--				
Pipe ID:	11116306				
Casing Number:	1				
Comment:					
Alt Name:					
--	--				
Construction Record - Casing					
--	--				
Casing ID:	930841600				
Layer:	1				
Open Hole or Material:					
Depth From:	0				
Depth To:	1.5				
Casing Diameter:	5				
Casing Diameter UOM:	cm				
Casing Depth UOM:	m				
--	--				
--	--				
Construction Record - Screen					
--	--				
Screen ID:	933408754				
Layer:	1				
Slot:	010				
Screen Top Depth:	1.5				

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
Screen End Depth:		4.5			
Screen Material:					
Screen Depth UOM:		m			
Screen Diameter UOM:		cm			
Screen Diameter:		6.4			
--		--			
Water Details					
--		--			
Water ID:		934049423			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:					
Water Found Depth UOM:		m			
--		--			
Hole Diameter					
--		--			
Hole ID:		11116305			
Diameter:		21			
Depth From:		0			
Depth To:		4.5			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
--		--			
--		--			
46	1 of 1	WNW/229.3	312.0	ON	WWIS
Well ID:	7216581			Lot:	
Construction Date:				Concession:	
Primary Water Use:				Concession Name:	
Sec. Water Use:				Easting NAD83:	
Final Well Status:				Northing NAD83:	
Specific Capacity:				Zone:	
Municipality:	GUELPH TOWNSHIP			UTM Reliability:	
County:	WELLINGTON				
Bore Hole Information					
--		--			
Bore Hole ID:	1004712748				
DP2BR:					
Code OB:					
Code OB Description:					
Open Hole:					
Date Completed:	22-NOV-13				
Remarks:					
Zone:	17				
East 83:	562786				
North 83:	4822243				
UTMRC:	4				
UTMRC Description:	margin of error : 30 m - 100 m				
Location Method:	wwr				
Org CS:	UTM83				
Elevation:					
Elevrc:					
Elevrc Description:					
Location Source Date:					
Source Revision Comment:					
Improvement Location Source:					
Improvement Location Method:					
Supplier Comment:					
Spatial Status:					
--		--			
--		--			

Map Key	Number of Records	Direction/ Distance (m)	Elevation (m)	Site	DB
47	1 of 1	WNW/242.2	312.0	ON	WWIS
<div> <div> Well ID: 7216982 Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Specific Capacity: Municipality: GUELPH TOWNSHIP County: WELLINGTON </div> <div> Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability: </div> </div>					
Bore Hole Information					
--					
Bore Hole ID: 1004715677 DP2BR: Code OB: Code OB Description: Open Hole: Date Completed: 22-JAN-14 Remarks: Zone: 17 East 83: 562765 North 83: 4822229 UTMRC: 4 UTMRC Description: margin of error : 30 m - 100 m Location Method: wwr Org CS: UTM83 Elevation: Elevrc: Elevrc Description: Location Source Date: Source Revision Comment: Improvement Location Source: Improvement Location Method: Supplier Comment: Spatial Status:					
--					
--					

Unplottable Summary

Total: **80** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	GUELPH CITY	YORK RD.	GUELPH CITY ON	
CA	The Corporation of the City of Guelph	York Rd	Guelph ON	
CA		Victoria Road South	Guelph ON	
CA	Victoria Road Watermain	Victoria Road South	Guelph ON	
CA	MINISTRY OF GOVERNMENT SERVICES-F.GALBER	STONE ROAD	GUELPH CITY ON	
CA	GUELPH CITY ERAMOSA RIVER CONT. #89-02	WATER AQUEDUCT STONE RD. ST. 2	GUELPH CITY ON	
CA	MINISTRY OF GOVERNMENT SERVICES-F.GALBER	STONE ROAD	GUELPH CITY ON	
CA	SIFTON PROPERTIES LTD.	PRIVATE LAND STONE RD. MALL	GUELPH CITY ON	
CA	462214 ONTARIO INC. UNDER PLUMBING CODE	SOUTH CITY CENTRE STONE RD.	GUELPH CITY ON	
CA	MINISTRY OF GOVERNMENT SERVICES-F.GALBER	STONE ROAD	GUELPH CITY ON	
CA	GUELPH CITY	COLLEGE AVE. E. WATERMAIN EXTN	GUELPH CITY ON	
CA		College Avenue	Guelph ON	
CA	MATRIX AFFORDABLE HOMES INC.	COLLEGE AVE. STORMWATER POND	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	UNIVERSITY	GUELPH CITY ON	
CA	University of Guelph	Maintenance Building No. 1	Guelph ON	
CA	GUELPH TOWNSHIP	PT.LOT 1/CON.9, WATER TOWER/PS	GUELPH ON	
CA	UNIVERSITY OF GUELPH	VMI BUILDING	GUELPH CITY ON	

CA	UNIVERSITY OF GUELPH	BLDG.#49,ONTARIO VET. COLLEGE	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH/PHYSICAL RESOURCES	ARENA PARKING AREA/EAST RING R	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH-C/O REAL ESTATE DIV	PRIVATE-EASEMENT ON UNIVERSITY	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH 7-1537-89	ENVIR. BIOLOGY SITE	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH		GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	UNIVERSITY OF GUELPH	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH	UNIVERSITY	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH		GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH 3-1843-89	ENIVON. BIOLOGY HORTICULTURE	GUELPH CITY ON	
CA	UNIVERSITY OF GUELPH		GUELPH CITY ON	
ECA	University of Guelph		Guelph City ON	N1G 2W1
ECA	The Corporation of the City of Guelph	Stone Road East	Guelph ON	
ECA	The Corporation of the City of Guelph	Stone Road East	City of Guelph ON	
GEN	GRIFFIN AUTO WRECKERS	RR# 2 STONE RD.	GUELPH ON	N1H 6H8
GEN	UNIVERSITY OF GUELPH	(PATHOLOGY) COLLEGE AVENUE	GUELPH ON	M1G 2W1
GEN	GRIFFIN AUTO WRECKERS 18-131	RR# 2 STONE RD.	GUELPH ON	N1H 6H8
GEN	GRIFFIN AUTO WRECKERS	RR# 2 STONE RD.	GUELPH ON	N1H 6H8
GEN	MINISTRY OF AGRICULTURE & FOOD	ROOM 038, JOHNSTON HALL, A/V PRODUCTIONS UNIVERSITY OF GUELPH	GUELPH ON	N1G 2W1
GEN	MINISTRY OF AGRICULTURE	VETERINARY LABORATORY SERVICES BUILDING 43, UNIVERSITY OF GUELPH	GUELPH ON	N1H 6R8
GEN	GUELPH, CITY OF 17-484	CARTER FARM-VICTORIA RD. S. C/O CARDEN ST.	GUELPH ON	N1H 3A1
GEN	UNIVERSITY OF GUELPH	ELECTRICAL DEPARTMENT BLACKWOOD HALL, BUILDING 14	GUELPH ON	N1H 4L3
GEN	MINISTRY OF AGRICULTURE &	VETERINARY LABORATORY SERVICES,	GUELPH ON	N1H 6R8

	FOOD	O.M.A.F. BUILDING 43, UNIVERSITY OF GUELPH		
GEN	NICHOL, TOWNSHIP OF	COUNTY RD 7, CON 9,10 LOT 1 RR #5	GUELPH ON	N1H 6J2
GEN	NICHOL, TOWNSHIP OF 28-318	COUNTY RD 7, CON 9,10 LOT 1 RR #5	GUELPH ON	N1H 6J2
GEN	WELLINGTON, COUNTY OF 42-423	ROTHSAY BRIDGE,CTY RD7OVER MULLET RIVER ROTHSA,Y,C/O ADMIN.CTNR, 70 WOOLWICH ST	GUELPH ON	N1H 3T9
NPCB	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
OPCB	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
OPCB	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
OPCB	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
OPCB	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
OPCB	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
OPCB	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
PTTW	Guelph Golf and Recreation Club	Lot 3, Concession 1 Division G	Guelph ON	
REC	UNIVERSITY OF GUELPH	STONE ROAD	GUELPH ON	N1G 2W1
REC	GUELPH, THE CORPORATION OF THE CITY OF	PART LOT 4, CONCESSION 1, DIVISION C	GUELPH ON	
REC	UNIVERSITY OF GUELPH	(PATHOLOGY) COLLEGE AVENUE	GUELPH ON	M1G 2W1
SPL	UNIVERSITY OF GUELPH	CENTRAL UTILITIES	GUELPH CITY ON	
SPL	CANADIAN PACIFIC RAILWAYS	CPR TRACK TRAIN	GUELPH CITY ON	
SPL	PUC	AT THE GUELPH COMPOST FACILITY ON YORK ROAD WASTE DISPOSAL SITE	GUELPH CITY ON	
SPL	UNIVERSITY OF GUELPH	UNIVERSITY OF GUELPH CENTRAL UTILITIES	GUELPH CITY ON	
SPL	CANADIAN PACIFIC RAILWAYS	ALONG TRACKS ABOUT 6 MI. SOUTH OF GUELPH, NEAR ARKAL, MI. 23.28, TRAIN	GUELPH CITY ON	
SPL	UNIVERSITY OF GUELPH	ERAMOSIA RIVER NEAR THE UNIVERSITY OF GUELPH CENTRAL UTILITIES	GUELPH ON	
SPL	UNIVERSITY OF GUELPH	BUILDING 70 CENTRAL UTILITIES	GUELPH CITY ON	

SPL	UNIVERSITY OF GUELPH	GENERATOR BUILDING CENTRAL UTILITIES	GUELPH CITY ON
SPL	University of Guelph; The Corporation of the City of Guelph	Main intersection is Powerhouse Lane and Reynolds Drive	Guelph ON
SPL		University of Guelph	Guelph ON
SPL		University of Guelph: transit hub - Platform 11	Guelph ON
SPL	The Corporation of the City of Guelph	College Ave East (near Trent Lane)	Guelph ON
SPL	TRANSPORT TRUCK	COUNTY RD. 7, DOWN BY ELORA TRANSPORT TRUCK (CARGO)	CENTRE WELLINGTON TOWNSHIP ON
SPL	Vehicle Owners as stated below in the report<UNOFFICIAL>	Hwy 7 just east of Wellington Rd 32	Guelph/Eramosa ON
SPL	Wessuc Inc.	Hwy 7 east of Woolwich/Guelph Townline Rd.	Guelph/Eramosa ON
SPL		Stone Road, east of Victoria Street	Guelph ON
SPL	Maple Leaf Foods Inc./Les Aliments Maple Leaf Inc.	Stone Rd, between Victoria and Watson	Guelph ON
SPL	PRIVATE OWNER	NEW WET-DRY FACILITY, OFF STONE ROAD BETWEEN WATSON STREET AND VICTORIA ROAD STORAGE TANK/BARREL	GUELPH CITY ON
SPL	UNIVERSITY OF GUELPH	PCB'S STORAGE AREA AT STONE RD. CENTRAL UTILITIES	GUELPH CITY ON
SPL	Packers Solutions<UNOFFICIAL>	Stone Rd. East, just east of Victoria Rd. South	Guelph ON
SPL	Rothsay	Stone Road East	Guelph ON
SPL	The Corporation of the City of Guelph	SHOULDER OF STONE ROAD EAST NEAR VICTORIA PARK<UNOFFICIAL>	Guelph ON
SPL	Rothsay	Stone Rd E from Watson Pkwy to Victoria St	Guelph ON
SPL	The Corporation of the City of Guelph	STONE RD EAST OF GORDON SOUTHSIDE<UNOFFICIAL>	Guelph ON
SPL		Stone Rd East, East of Victoria Rd	Guelph ON
SPL	PROVOST BULK CARRIERS INC.	TEXACO BULK STATION VICTORIA ST TANK TRUCK (CARGO)	GUELPH CITY ON
SPL	CONTRACTOR	PARK BEHIND UKRAINIAN CHURCH ON YORK RD MOTOR VEHICLE (OPERATING FLUID)	GUELPH CITY ON

Unplottable Report

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: 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: 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: 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: MINISTRY OF GOVERNMENT SERVICES-F.GALBER
STONE ROAD GUELPH CITY ON

Database:
CA

Certificate #: 3-2494-89-907
Application Year: 89
Issue Date: 5/10/90
Approval Type: Municipal sewage
Status: First Ammendment in 1990
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: GUELPH CITY ERAMOSA RIVER CONT. #89-02
WATER AQUEDUCT STONE RD. ST. 2 GUELPH CITY ON

Database:
CA

Certificate #: 7-2037-88-
Application Year: 88
Issue Date: 1/9/1989
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: MINISTRY OF GOVERNMENT SERVICES-F.GALBER
STONE ROAD GUELPH CITY ON

Database:
CA

Certificate #: 7-2079-89-
Application Year: 89
Issue Date: 1/16/1990
Approval Type: Municipal water
Status: Approved in 1990
Application Type:
Client Name:
Client Address:

Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: SIFTON PROPERTIES LTD.
PRIVATE LAND STONE RD. MALL GUELPH CITY ON

Database:
CA

Certificate #: 7-0456-88-
Application Year: 88
Issue Date: 5/27/1988
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: 462214 ONTARIO INC. UNDER PLUMBING CODE
SOUTH CITY CENTRE STONE RD. GUELPH CITY ON

Database:
CA

Certificate #: 7-1243-89-
Application Year: 89
Issue Date: 9/1/1989
Approval Type: Municipal water
Status: Cancelled
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: MINISTRY OF GOVERNMENT SERVICES-F.GALBER
STONE ROAD GUELPH CITY ON

Database:
CA

Certificate #: 3-2494-89-
Application Year: 89
Issue Date: 1/16/1990
Approval Type: Municipal sewage
Status: Approved in 1990
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: GUELPH CITY
COLLEGE AVE. E. WATERMAIN EXTN GUELPH CITY ON

Database:
CA

Certificate #: 7-1220-97-

Application Year: 97
Issue Date: 11/27/1997
Approval Type: Municipal water
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: College Avenue Guelph ON

Database:
CA

Certificate #: 2500-4ZPJ4
Application Year: 01
Issue Date: 8/17/01
Approval Type: Municipal & Private sewage
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: Storm and sanitary sewers to be constructed on College Avenue
Contaminants:
Emission Control:

Site: MATRIX AFFORDABLE HOMES INC.
COLLEGE AVE. STORMWATER POND GUELPH CITY ON

Database:
CA

Certificate #: 3-0154-93-
Application Year: 93
Issue Date: 3/29/1993
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
UNIVERSITY GUELPH CITY ON

Database:
CA

Certificate #: 8-2009-89-006
Application Year: 89
Issue Date: 4/11/89
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: 2 FUME HOODS IN ROOM #133,VET.IMMUNO#146
Contaminants: Phenol, Toluene(Pentyl Methane)(Methyl Benzene), Sulphuric Acid
Emission Control: No Controls

Site: University of Guelph
Maintenance Building No. 1 Guelph ON

Database:
CA

Certificate #: 5371-6K9KWM
Application Year: 2005
Issue Date: 12/31/2005
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: GUELPH TOWNSHIP
PT.LOT 1/CON.9, WATER TOWER/PS GUELPH ON

Database:
CA

Certificate #: 7-0018-98-
Application Year: 98
Issue Date: 2/23/1998
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
VMI BUILDING GUELPH CITY ON

Database:
CA

Certificate #: 8-2091-89-
Application Year: 89
Issue Date: 10/19/1989
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: MODIF. TO EXIST. BIOMEDICAL INCINERATOR
Contaminants:
Emission Control:

Site: UNIVERSITY OF GUELPH
BLDG.#49,ONTARIO VET. COLLEGE GUELPH CITY ON

Database:
CA

Certificate #: 8-2101-92-006
Application Year: 92
Issue Date: 4/1/96
Approval Type: Industrial air
Status: Approved
Application Type:

Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: PATHOLOGICAL WASTE INCINERATOR
Contaminants:
Emission Control:

Site: UNIVERSITY OF GUELPH/PHYSICAL RESOURCES
ARENA PARKING AREA/EAST RING R GUELPH CITY ON

Database:
CA

Certificate #: 3-0382-90-926
Application Year: 90
Issue Date: 2/26/92
Approval Type: Municipal sewage
Status: Received in 1991, Issued in 1992
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: UNIVERSITY OF GUELPH-C/O REAL ESTATE DIV
PRIVATE-EASEMENT ON UNIVERSITY GUELPH CITY ON

Database:
CA

Certificate #: 7-1486-86-
Application Year: 86
Issue Date: 1/5/1987
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 7-1537-89
ENVIR. BIOLOGY SITE GUELPH CITY ON

Database:
CA

Certificate #: 3-1842-89-
Application Year: 89
Issue Date: 10/11/1989
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
GUELPH CITY ON

Database:
CA

Certificate #: 8-2173-88-
Application Year: 88
Issue Date: 8/5/1988
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: FUME HOOD ROOM 332
Contaminants: Formaldehyde, Methylene Chloride, Toluene(Pentyl Methane)(Methyl Benzene)
Emission Control:

Site: UNIVERSITY OF GUELPH
UNIVERSITY OF GUELPH GUELPH CITY ON

Database:
CA

Certificate #: 8-2023-90-
Application Year: 90
Issue Date: 2/20/1990
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INST. FUME HOOD IN CHEM-MICRO BLDG.
Contaminants: Methylene Chloride, Acetone, Toluene(Pentyl Methane)(Methyl Benzene)
Emission Control: No Controls

Site: UNIVERSITY OF GUELPH
UNIVERSITY GUELPH CITY ON

Database:
CA

Certificate #: 8-2216-89-
Application Year: 89
Issue Date: 5/16/1990
Approval Type: Industrial air
Status: Approved in 1990
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: INSTALL. OF 1100 KW DIESEL GENERATOR
Contaminants: Sulphur Dioxide, Nitrogen Oxides
Emission Control: No Controls

Site: UNIVERSITY OF GUELPH
GUELPH CITY ON

Database:
CA

Certificate #: 8-2223-87-
Application Year: 87
Issue Date: 10/13/1987
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: FUME HOOD & EXHAUST FOR FOR ROOM #119

Contaminants: Other Contaminant
Emission Control: No Controls

Site: UNIVERSITY OF GUELPH 3-1843-89
ENIVON. BIOLOGY HORTICULTURE GUELPH CITY ON

Database:
CA

Certificate #: 7-1537-89-
Application Year: 89
Issue Date: 10/11/1989
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
GUELPH CITY ON

Database:
CA

Certificate #: 8-2222-87-
Application Year: 87
Issue Date: 10/6/1987
Approval Type: Industrial air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description: FUME HOOD & EXHAUST FOR ROOM #115
Contaminants: Acetic Acid, Formaldehyde, Xylene
Emission Control: No Controls

Site: University of Guelph
Guelph City ON N1G 2W1

Database:
ECA

Record Type:
PDF URL: <https://www.accessenvironment.ene.gov.on.ca/instruments/2114-9KZP39-14.pdf>
Full Address: Guelph City, County of Wellington N1G 2W1
CofA Number: 9650-A8BPFR
Date: 2016-03-24
Status: Approved
Project Type: Air

Site: The Corporation of the City of Guelph
Stone Road East Guelph ON

Database:
ECA

Record Type:
PDF URL:
Full Address: Stone Road East City of Guelph, County of Wellington
CofA Number: 1577-9VYQBW
Date: 4/27/15
Status: Approved
Project Type: Municipal and Private Sewage Works

Site: The Corporation of the City of Guelph
Stone Road East City of Guelph ON

Database:
ECA

Record Type:

PDF URL:

Full Address: Stone Road East City of Guelph, County of Wellington

CofA Number: 6145-9KTJU7

Date: 6/24/14

Status: Approved

Project Type: Municipal and Private Sewage

Site: GRIFFIN AUTO WRECKERS
RR# 2 STONE RD. GUELPH ON N1H 6H8

Database:
GEN

Generator #: ON0606200

Approval Yrs: 90

SIC Code: 5911

SIC Description: AUTOMOBILE WREAKING

--- Details ---

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Site: UNIVERSITY OF GUELPH
(PATHOLOGY) COLLEGE AVENUE GUELPH ON M1G 2W1

Database:
GEN

Generator #: RR0800

Approval Yrs: 86

SIC Code: 060

SIC Description:

Site: GRIFFIN AUTO WRECKERS 18-131
RR# 2 STONE RD. GUELPH ON N1H 6H8

Database:
GEN

Generator #: ON0606200

Approval Yrs: 94,95,96

SIC Code: 5911

SIC Description: AUTOMOBILE WREAKING

--- Details ---

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Site: GRIFFIN AUTO WRECKERS
RR# 2 STONE RD. GUELPH ON N1H 6H8

Database:
GEN

Generator #: ON0606200

Approval Yrs: 86,87,88,89

SIC Code: 5911

SIC Description: AUTOMOBILE WREAKING

--- Details ---

Waste Code: 213

Waste Description: PETROLEUM DISTILLATES

Site: MINISTRY OF AGRICULTURE & FOOD
ROOM 038, JOHNSTON HALL, A/V PRODUCTIONS UNIVERSITY OF GUELPH GUELPH ON N1G 2W1

Database:
GEN

Generator #: ON0199210

Approval Yrs: 98

SIC Code: 0239

SIC Description: OTHER AGRIC. SERV.

--- Details ---

Waste Code: 264
Waste Description: PHOTOPROCESSING WASTES

Site: MINISTRY OF AGRICULTURE
VETERINARY LABORATORY SERVICES BUILDING 43, UNIVERSITY OF GUELPH GUELPH ON N1H 6R8

Database:
GEN

Generator #: ON0199218
Approval Yrs: 93,94,95,96,97
SIC Code: 0211
SIC Description: VETERINARY SERVICE

--- Details ---

Waste Code: 211
Waste Description: AROMATIC SOLVENTS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Site: GUELPH, CITY OF 17-484
CARTER FARM-VICTORIA RD. S. C/O CARDEN ST. GUELPH ON N1H 3A1

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
ELECTRICAL DEPARTMENT BLACKWOOD HALL, BUILDING 14 GUELPH ON N1H 4L3

Database:
GEN

Generator #: ON0179213
Approval Yrs: 98,99,00,01
SIC Code: 8531
SIC Description: UNIVERSITY EDUCATION

--- Details ---

Waste Code: 251
Waste Description: OIL SKIMMINGS & SLUDGES

Site: MINISTRY OF AGRICULTURE & FOOD
VETERINARY LABORATORY SERVICES, O.M.A.F. BUILDING 43, UNIVERSITY OF GUELPH GUELPH ON N1H 6R8

Database:
GEN

Generator #: ON0199218
Approval Yrs: 98,99,00,01
SIC Code: 0211
SIC Description: VETERINARY SERVICE

--- Details ---

Waste Code: 211
Waste Description: AROMATIC SOLVENTS
+
Waste Code: 212
Waste Description: ALIPHATIC SOLVENTS

Site: NICHOL, TOWNSHIP OF
COUNTY RD 7, CON 9,10 LOT 1 RR #5 GUELPH ON N1H 6J2

Database:
GEN

Generator #: ON0708900
Approval Yrs: 86,87,88,89,90

SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN.

--- Details ---

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: NICHOL, TOWNSHIP OF 28-318
COUNTY RD 7, CON 9,10 LOT 1 RR #5 GUELPH ON N1H 6J2

Database:
GEN

Generator #: ON0708900
Approval Yrs: 94,95,96
SIC Code: 8371
SIC Description: TRANSPORTATION ADMIN

--- Details ---

Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS

Site: WELLINGTON, COUNTY OF 42-423
ROTHSAY BRIDGE, CTY RD7 OVER MULLET RIVER ROTHSA, C/O ADMIN. CTNR, 70 WOOLWICH ST GUELPH ON N1H 3T9

Database:
GEN

Generator #: ON0612205
Approval Yrs: 92,93,94,95,96,97,98
SIC Code: 4121
SIC Description: HIGHWAYS, STR., ETC.

--- Details ---

Waste Code: 146
Waste Description: OTHER SPECIFIED INORGANICS

Site: UNIVERSITY OF GUELPH
STONE ROAD GUELPH ON N1G 2W1

Database:
NPCB

Company Code: F0385
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

--- Details ---

Label: F038500
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: TRANSFORMER/FULL
No. of Items: 2
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 108 KG
+
Label: F038501
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: CAPACITOR/FULL
No. of Items: 7
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 140 KG

Site: UNIVERSITY OF GUELPH
STONE ROAD GUELPH ON N1G 2W1

Database:
OPCB

Year: 2003
Site Number: 20285A080
Name Owner:
Additional Site Information:

Site: UNIVERSITY OF GUELPH
STONE ROAD GUELPH ON N1G 2W1

Database:
OPCB

Year: 1995
Site Number: 20285A080
Name Owner:
Additional Site Information:

--- Details ---

Quantity: 5.00
Address Site:
Description: Number of Capacitors with High Level PCBs (>1000 ppm)
+
Quantity: 100.00
Address Site:
Description: Weight of Capacitors with High Level PCBs (>1000 ppm) kg
+
Quantity: 13.00
Address Site:
Description: Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
+
Quantity: 1950.00
Address Site:
Description: Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg
+
Quantity: 671.00
Address Site:
Description: Weight of Bulk Liquid with High Level PCBs (>1000 ppm) kg
+
Quantity: 140.00
Address Site:
Description: Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg
+
Quantity: 2.00
Address Site:
Description: Number of Transformers with High Level PCBs (>1000 ppm)
+
Quantity: 11.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)
+
Quantity: 2200.00
Address Site:
Description: Weight of Drums of Ballasts with High Level PCBs (>1000 ppm) kg

Site: UNIVERSITY OF GUELPH
STONE ROAD GUELPH ON N1G 2W1

Database:
OPCB

Year: 1999
Site Number: 20285A080
Name Owner:
Additional Site Information:

--- Details ---

Quantity: 108.00
Address Site:
Description: Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg
+
Quantity: 2.00
Address Site:

Description: Number of Transformers with High Level PCBs (>1000 ppm)
Quantity: 15.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)
Quantity: 3000.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)
Quantity: 7.00
Address Site:
Description: Number of Capacitors with High Level PCBs (>1000 ppm)
Quantity: 140.00
Address Site:
Description: Weight of Capacitors with High Level PCBs (>1000 ppm) kg

Site: UNIVERSITY OF GUELPH
 STONE ROAD GUELPH ON N1G 2W1

Database:
 OPCB

Year: 2000
Site Number: 20285A080
Name Owner:
Additional Site Information:

--- Details ---

Quantity: 108.00
Address Site:
Description: Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg
Quantity: 2.00
Address Site:
Description: Number of Transformers with High Level PCBs (>1000 ppm)
Quantity: 15.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)
Quantity: 3000.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)
Quantity: 7.00
Address Site:
Description: Number of Capacitors with High Level PCBs (>1000 ppm)
Quantity: 140.00
Address Site:
Description: Weight of Capacitors with High Level PCBs (>1000 ppm) kg

Site: UNIVERSITY OF GUELPH
 STONE ROAD GUELPH ON N1G 2W1

Database:
 OPCB

Year: 1998
Site Number: 20285A080
Name Owner:
Additional Site Information:

--- Details ---

Quantity: 108.00
Address Site:
Description: Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg
Quantity: 2.00
Address Site:
Description: Number of Transformers with High Level PCBs (>1000 ppm)

+
Quantity: 15.00
Address Site:
Description: Number of Drums of Ballasts with High Level PCBs (>1000 ppm)
+
Quantity: 3000.00
Address Site:
Description: Calculated Weight (Kg) of Drums of Ballasts with High Level PCBs (>1000 ppm)
+
Quantity: 7.00
Address Site:
Description: Number of Capacitors with High Level PCBs (>1000 ppm)
+
Quantity: 140.00
Address Site:
Description: Weight of Capacitors with High Level PCBs (>1000 ppm) kg

Site: UNIVERSITY OF GUELPH
STONE ROAD GUELPH ON N1G 2W1

Database:
OPCB

Year: 2004
Site Number: 20285A080
Name Owner:
Additional Site Information:

Site: Guelph Golf and Recreation Club
Lot 3, Concession 1 Division G Guelph ON

Database:
PTTW

Year: 2003
EBR Registry No.: IA03E1203
Ministry Ref. No.: 4447-5Q5QKH
Type: Instrument Decision
Instrument Type: Permit to take water - OWRA s. 34
Proposal Date:
Location: Lot 3, Concession 1 Division G, City of Guelph, Wellington County CITY OF GUELPH
Proponent Address: P.O. Box 666 Guelph Ontario N1H 6L3

Site: UNIVERSITY OF GUELPH
STONE ROAD GUELPH ON N1G 2W1

Database:
REC

Receiver #: 202-85A080
Facility Type: TRANSFER STATION
Approval Yrs: 94,95,96,97,98,99,00,01,02,03,04,05,06,07,08

--- Details ---

Waste Code: 243
Waste Description: PCB'S

Site: GUELPH, THE CORPORATION OF THE CITY OF
PART LOT 4, CONCESSION 1, DIVISION C GUELPH ON

Database:
REC

Receiver #: A170128
Facility Type: TRANSFER STATION - PROCESSING
Approval Yrs: 97,98,99

--- Details ---

Waste Code: 145
Waste Description: PAINT/PIGMENT/COATING RESIDUES
+
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: 242
Waste Description: HALOGENATED PESTICIDES
 +
Waste Code: 252
Waste Description: WASTE OILS & LUBRICANTS
 +
Waste Code: 263
Waste Description: ORGANIC LABORATORY CHEMICALS
 +
Waste Code: 269
Waste Description: NON-HALOGENATED PESTICIDES
 +
Waste Code: 312
Waste Description: PATHOLOGICAL WASTES
 +
Waste Code: 331
Waste Description: WASTE COMPRESSED GASES

Site: UNIVERSITY OF GUELPH
 (PATHOLOGY) COLLEGE AVENUE GUELPH ON M1G 2W1

Database:
 REC

Receiver #: RR0800
Facility Type: MISCELLANEOUS
Approval Yrs: 86,87,88,89,90,92,06,07,08

Site: UNIVERSITY OF GUELPH
 CENTRAL UTILITIES GUELPH CITY ON

Database:
 SPL

Ref NO: 118893
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 9/17/1995
Incident Reason: EQUIPMENT FAILURE
Incident Summary: BACK-ENTRY-UNIVERSITY OF GUELPH-138L FORMALIN TO SEWER FROM LINE BREAK.
MOE Reported Dt: 9/20/1995
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: CANADIAN PACIFIC RAILWAYS
 CPR TRACK TRAIN GUELPH CITY ON

Database:
 SPL

Ref NO: 19482
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 6/17/1988
Incident Reason: UNKNOWN
Incident Summary: BACKENTRY - CP RAILWAYS OIL LEAK FROM TRAIN ONTO TRACK
MOE Reported Dt: 6/20/1988

Environmental Impact:
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: PUC
AT THE GUELPH COMPOST FACILITY ON YORK ROAD WASTE DISPOSAL SITE GUELPH CITY ON

Database:
SPL

Ref NO: 180986
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 5/18/2000
Incident Reason: EQUIPMENT FAILURE
Incident Summary: CITY OF GUELPH: 4500 L OF COMPOST PAD RUN-OFF TODITCH,CONTAINED,CLEANING.
MOE Reported Dt: 5/18/2000
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: UNIVERSITY OF GUELPH
UNIVERSITY OF GUELPH CENTRAL UTILITIES GUELPH CITY ON

Database:
SPL

Ref NO: 46285
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: VALVE/FITTING LEAK OR FAILURE
Incident Dt: 2/3/1991
Incident Reason: GASKET/JOINT
Incident Summary: UNIVERSITY OF GUELPH 1500 L. SULPHURIC ACID INTO CONTAINMENT AREA
MOE Reported Dt: 2/4/1991
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: CANADIAN PACIFIC RAILWAYS
ALONG TRACKS ABOUT 6 MI. SOUTH OF GUELPH, NEAR ARKAL, MI. 23.28, TRAIN GUELPH CITY ON

Database:
SPL

Ref NO: 101912
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 6/27/1994
Incident Reason: EQUIPMENT FAILURE
Incident Summary: CP-RAIL - 225 L OF LUBE OIL TO SIDE OF CAR AND GROUND FROM LOCOMOTIVE
MOE Reported Dt: 6/27/1994
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: UNIVERSITY OF GUELPH
ERAMOSA RIVER NEAR THE UNIVERSITY OF GUELPH CENTRAL UTILITIES GUELPH ON

Database:
[SPL](#)

Ref NO: 188498
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: WASTEWATER DISCHARGE TO WATERCOURSE
Incident Dt: 10/13/2000
Incident Reason: INTENTIONAL/PLANNED
Incident Summary: UNIVERSITY OF GUELPH -SLUDGE DISCHARGE TO THE ERAMOSA RIVER.
MOE Reported Dt: 10/13/2000
Environmental Impact: CONFIRMED
Nature of Impact: Water course or lake
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: UNIVERSITY OF GUELPH
BUILDING 70 CENTRAL UTILITIES GUELPH CITY ON

Database:
[SPL](#)

Ref NO: 219425
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 1/8/2002
Incident Reason: EQUIPMENT FAILURE
Incident Summary: U OF GUELPH-180 LIT HYDRAULIC OIL TO GRND. CLEANING UP.
MOE Reported Dt: 1/8/2002
Environmental Impact: POSSIBLE
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: UNIVERSITY OF GUELPH
GENERATOR BUILDING CENTRAL UTILITIES GUELPH CITY ON

Database:
[SPL](#)

Ref NO: 203203
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNKNOWN
Incident Dt: 6/12/2001
Incident Reason: UNKNOWN
Incident Summary: U OF GUELPH-680 L DIESEL FUEL TO GROUND DURING DELIVERY, SOAKED INTO SOIL
MOE Reported Dt: 6/12/2001
Environmental Impact: Possible
Nature of Impact: Soil contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: University of Guelph; The Corporation of the City of Guelph
Main intersection is Powerhouse Lane and Reynolds Drive Guelph ON

Database:
[SPL](#)

Ref NO: 8837-68DUQJ
Contaminant Code:
Contaminant Name: TRANSMISSION OIL
Contaminant Quantity:
Incident Cause: Pipe Or Hose Leak
Incident Dt: 1/6/2005
Incident Reason: Spill
Incident Summary: University of Guelph - Hydraulic Oil Spill
MOE Reported Dt: 1/6/2005
Environmental Impact: Possible
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class: Spill to Inland Watercourses
Sector Source Type: Other
Site Municipality: Guelph

Site: **University of Guelph Guelph ON**

Database:
SPL

Ref NO: 6313-8323BM
Contaminant Code: 15
Contaminant Name: PETROLEUM OIL (N.O.S.)
Contaminant Quantity: 0 other - see incident description
Incident Cause: Unknown
Incident Dt:
Incident Reason: Spill
Incident Summary: Hydrocarbon sheen to roadway, source u/k; clnd.
MOE Reported Dt: 2/25/2010
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Unknown
Site Municipality:

Site: **University of Guelph: transit hub - Platform 11 Guelph ON**

Database:
SPL

Ref NO: 4084-9NQSAB
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity: 5 L
Incident Cause: Leak/Break
Incident Dt: 2014/09/07
Incident Reason: Equipment Failure
Incident Summary: 5L coolant to CB
MOE Reported Dt: 2014/09/07
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination; Surface Water Pollution
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Guelph

Site: **The Corporation of the City of Guelph
College Ave East (near Trent Lane) Guelph ON**

Database:
SPL

Ref NO: 1834-9X8R3H
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Quantity: 20 L
Incident Cause: Collision/Accident
Incident Dt: 6/6/2015

Incident Reason: Unknown / N/A
Incident Summary: City of Guelph: MVA, coolant to CB
MOE Reported Dt: 6/6/2015
Environmental Impact:
Nature of Impact: Land; Surface Water
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type:
Site Municipality: Guelph

Site: **TRANSPORT TRUCK**
COUNTY RD. 7, DOWN BY ELORA TRANSPORT TRUCK (CARGO) CENTRE WELLINGTON TOWNSHIP ON

Database:
SPL

Ref NO: 172499
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 9/9/1999
Incident Reason: UNKNOWN
Incident Summary: ROTHSAY- ANIMAL RENDERING MATERIAL TO ROADWAY. PD, WORKS, FD.
MOE Reported Dt: 9/9/1999
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75614

Site: **Vehicle Owners as stated below in the report<UNOFFICIAL>**
Hwy 7 just east of Wellington Rd 32 Guelph/Eramosa ON

Database:
SPL

Ref NO: 0087-9CMS2T
Contaminant Code: 15
Contaminant Name: MOTOR OIL
Contaminant Quantity: 5 L
Incident Cause: Collision/Accident
Incident Dt: 2013/10/19
Incident Reason: Operator/Human Error
Incident Summary: MVA 5-10L of antifreeze and oil, not clnd
MOE Reported Dt: 2013/10/19
Environmental Impact: Possible
Nature of Impact: Other Impact(s); Soil Contamination
Receiving Medium:
SAC Action Class: Highway Spills (usually highway accidents)
Sector Source Type: Motor Vehicle
Site Municipality: Guelph/Eramosa

Site: **Wessuc Inc.**
Hwy 7 east of Woolwich/Guelph Townline Rd. Guelph/Eramosa ON

Database:
SPL

Ref NO: 8041-86FTEY
Contaminant Code: 45
Contaminant Name: BIO-SOLIDS (N.O.S.)
Contaminant Quantity: 400 L
Incident Cause: Other Discharges
Incident Dt:
Incident Reason: Equipment Failure - Malfunction of system components
Incident Summary: Wessuc: 400L biosolids to shoulder hwy 7. Guelph/Eramosa
MOE Reported Dt: 6/15/2010
Environmental Impact: Confirmed
Nature of Impact: Soil Contamination
Receiving Medium:

SAC Action Class: Highway Spills (usually highway accidents)
Sector Source Type: Tank Truck
Site Municipality:

Site: **Stone Road, east of Victoria Street Guelph ON** **Database:** **SPL**

Ref NO: 4278-63PS4H
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 9.1 L
Incident Cause: Pipe Or Hose Leak
Incident Dt: 8/9/2004
Incident Reason: Equipment Failure
Incident Summary: Seegmiller Ltd., 1-2 gallons diesel to wetland
MOE Reported Dt: 8/9/2004
Environmental Impact:
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
SAC Action Class: Spill to Inland Watercourses
Sector Source Type:
Site Municipality: Guelph/Eramosa

Site: **Maple Leaf Foods Inc./Les Aliments Maple Leaf Inc.** **Database:**
Stone Rd, between Victoria and Watson Guelph ON **SPL**

Ref NO: 5670-72UJE9
Contaminant Code: 46
Contaminant Name: ANIMAL WASTES
Contaminant Quantity: 250 kg
Incident Cause:
Incident Dt:
Incident Reason: Spill
Incident Summary: Rothsay truck spilled cargo: 250 kg offal onto road.
MOE Reported Dt: 5/3/2007
Environmental Impact: Not Anticipated
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class:
Sector Source Type: Other
Site Municipality: Guelph

Site: **PRIVATE OWNER** **Database:**
NEW WET-DRY FACILITY, OFF STONE ROAD BETWEEN WATSON STREET AND VICTORIA ROAD STORAGE **SPL**
TANK/BARREL GUELPH CITY ON

Ref NO: 101234
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: UNDERGROUND TANK LEAK
Incident Dt: 6/15/1994
Incident Reason: DAMAGE BY MOVING EQUIPMENT
Incident Summary: FUEL SPILLED FROM UST EXCAVATED AT SITE. DIST. OFFICE RESPONDING.
MOE Reported Dt: 6/15/1994
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: UNIVERSITY OF GUELPH
PCB'S STORAGE AREA AT STONE RD. CENTRAL UTILITIES GUELPH CITY ON

Database:
SPL

Ref NO: 104464
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: OTHER CONTAINER LEAK
Incident Dt: 8/26/1994
Incident Reason: UNKNOWN
Incident Summary: UNIVERSITY OF GUELPH-205LWASTE OIL TO GRAVEL FROM LEAKING DRUM, CLEANED UP.
MOE Reported Dt: 8/26/1994
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: Packers Solutions<UNOFFICIAL>
Stone Rd. East, just east of Victoria Rd. South Guelph ON

Database:
SPL

Ref NO: 2423-7XWB6M
Contaminant Code: 13
Contaminant Name: DIESEL FUEL
Contaminant Quantity: 100 L
Incident Cause: Other Transport Accident
Incident Dt:
Incident Reason: Equipment/Vehicles
Incident Summary: Stone Rd/Victoria Rd - 50-100L dsl to grd/cbsn
MOE Reported Dt: 11/18/2009
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s); Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality:

Site: Rothsay
Stone Road East Guelph ON

Database:
SPL

Ref NO: 6437-89JPWQ
Contaminant Code: 46
Contaminant Name: ANIMAL WASTES
Contaminant Quantity: 6 tonne
Incident Cause: Other Transport Accident
Incident Dt:
Incident Reason: Spill
Incident Summary: Rothsay: 6 tonnes of animal byproduct to road
MOE Reported Dt: 9/22/2010
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s); Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type:
Site Municipality:

Site: The Corporation of the City of Guelph
SHOULDER OF STONE ROAD EAST NEAR VICTORIA PARK<UNOFFICIAL> Guelph ON

Database:
SPL

Ref NO: 8323-5KENEF
Contaminant Code: 15

Contaminant Name: MOTOR OIL
Contaminant Quantity:
Incident Cause:
Incident Dt: 3/7/2003
Incident Reason:
Incident Summary: 200-250L of motor oil to shoulder, being cleaned
MOE Reported Dt: 3/7/2003
Environmental Impact:
Nature of Impact:
Receiving Medium: Land
SAC Action Class:
Sector Source Type:
Site Municipality: Guelph

Site: **Rothsay**
Stone Rd E from Watson Pkwy to Victoria St Guelph ON

Database:
SPL

Ref NO: 4802-8LGM4V
Contaminant Code: 46
Contaminant Name: BLOOD WASTES
Contaminant Quantity: 20 L
Incident Cause:
Incident Dt: 9/7/2011
Incident Reason:
Incident Summary: Rothsay: 20-30L of cattle blood to rd
MOE Reported Dt: 9/7/2011
Environmental Impact: Not Anticipated
Nature of Impact: Other Impact(s)
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Transport Truck
Site Municipality: Guelph

Site: **The Corporation of the City of Guelph**
STONE RD EAST OF GORDON SOUTHSIDE<UNOFFICIAL> Guelph ON

Database:
SPL

Ref NO: 0010-5V9KVX
Contaminant Code: 44
Contaminant Name: SEWAGE,RAW UNCHLORINATED
Contaminant Quantity:
Incident Cause: Pipe Or Hose Leak
Incident Dt: 1/16/2004
Incident Reason:
Incident Summary: Guelph WPCP - 1000 gal. sewage spill.
MOE Reported Dt: 1/16/2004
Environmental Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium: Land
SAC Action Class: Spills
Sector Source Type: Other Plant - Sewage Municipal
Site Municipality: Guelph

Site:
Stone Rd East, East of Victoria Rd Guelph ON

Database:
SPL

Ref NO: 2370-9M4SM8
Contaminant Code: 46
Contaminant Name: DOUSE WATER (PARTICULATE CONTAMINANT)
Contaminant Quantity: 0 other - see incident description
Incident Cause: Fire/Explosion
Incident Dt: 2014/07/17
Incident Reason: Unknown / N/A
Incident Summary: Car Torched: Excavation to Clean up Ongng

MOE Reported Dt: 2014/07/17
Environmental Impact: Possible
Nature of Impact: Soil Contamination
Receiving Medium:
SAC Action Class: Land Spills
Sector Source Type: Motor Vehicle
Site Municipality: Guelph

Site: **PROVOST BULK CARRIERS INC.**
TEXACO BULK STATION VICTORIA ST TANK TRUCK (CARGO) GUELPH CITY ON

Database:
SPL

Ref NO: 3902
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: CONTAINER OVERFLOW
Incident Dt: 5/19/1988
Incident Reason: ERROR
Incident Summary: PROVOST CARTAGE - 600 L DIESEL FUEL TO CONCRETE DYKE.
MOE Reported Dt: 5/19/1988
Environmental Impact: NOT ANTICIPATED
Nature of Impact:
Receiving Medium: LAND
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Site: **CONTRACTOR**
PARK BEHIND UKRAINIAN CHURCH ON YORK RD MOTOR VEHICLE (OPERATING FLUID) GUELPH CITY ON

Database:
SPL

Ref NO: 93498
Contaminant Code:
Contaminant Name:
Contaminant Quantity:
Incident Cause: PIPE/HOSE LEAK
Incident Dt: 11/15/1993
Incident Reason: ERROR
Incident Summary: FRED E. PRIORS & SONS - 25 L OF HYDRAULIC OIL TO GROUND AND DITCH
MOE Reported Dt: 11/15/1993
Environmental Impact: CONFIRMED
Nature of Impact: Soil contamination
Receiving Medium: WATER
SAC Action Class:
Sector Source Type:
Site Municipality: 75101

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial [AAGR](#)

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial [AGR](#)

The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

Government Publication Date: Up to Mar 2015

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-Oct 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 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: Oct 31, 2015

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: Aug 31, 2016

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: Oct 31, 2015

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-Jan 2016

Drill Hole Database:

Provincial

DRL

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

Government Publication Date: 1886-Jun 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: Jul 31, 2016

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-Jan 2016

Environmental Compliance Approval:

Provincial

ECA

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

Government Publication Date: Jul 31, 2016

Environmental Effects Monitoring:

Federal

EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private

EHS

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

Government Publication Date: 1999-Aug 2014

Environmental Issues Inventory System:

Federal

EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event:

Provincial

EMHE

The Emergency Management Historical Event data class will store the locations of historical occurrences of emergency events. Events captured will include those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance.

Government Publication Date: May 31, 2014

List of TSSA Expired Facilities:

Provincial

EXP

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: Aug 31, 2016

Federal Convictions:

Federal

FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

FCS

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government.

Government Publication Date: June 2000-Oct 2015

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sept 2003

Fuel Storage Tank:

Provincial

FST

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

Government Publication Date: Aug 31, 2016

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-May 2015

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon dioxide equivalents (kt CO₂ eq).

Government Publication Date: Dec 31, 2013

TSSA Historic Incidents:

Provincial

HINC

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

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial

INC

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

Government Publication Date: Aug 31, 2016

Landfill Inventory Management Ontario:

Provincial

LIMO

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

Government Publication Date: Dec 31, 2013

Canadian Mine Locations:

Private

MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial

MNR

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

Government Publication Date: 1846-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: Dec 31, 2014

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-Aug 2010

National Defence & Canadian Forces Waste Disposal Sites:

Federal

NDWD

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

Government Publication Date: 2001-Apr 2007*

National Energy Board Wells:

Federal

NEBW

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

NPCB

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

NPRI

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

Government Publication Date: Dec 31, 2014

Oil and Gas Wells:

Private

OGW

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

Government Publication Date: 1988-2015

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, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Aug 2015

Inventory of PCB Storage Sites:

Provincial

OPCB

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

Government Publication Date: 1987-Oct 2004; 2012-Dec 2013

Orders:

Provincial

ORD

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

Government Publication Date: 1994-Jan 2016

Canadian Pulp and Paper:

Private

PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009

Parks Canada Fuel Storage Tanks:

Federal

PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial

PES

The Ontario Ministry of 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: Aug 31, 2016

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-Jan 2016

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-Jan 2016

Retail Fuel Storage Tanks:

Private

RST

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

Government Publication Date: Oct 31, 2015

Scott's Manufacturing Directory:

Private

SCT

Scott's Directories is a data bank containing information on over 200,000 manufacturers across Canada. Even though Scott's listings are voluntary, it is the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products are included in this database.

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial

SPL

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

Government Publication Date: 1988-Jun 2015

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: 1990-2013

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: Aug 31, 2016

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: Jul 31, 2016

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial

WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

WWIS

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

Government Publication Date: Jun 30, 2016

Definitions

Database Descriptions: This section provides a detailed explanation for each database including: source, information available, time coverage, and acronyms used. They are listed in alphabetic order.

Detail Report: This is the section of the report which provides the most detail for each individual record. Records are summarized by location, starting with the project property followed by records in closest proximity.

Distance: The distance value is the distance between plotted points, not necessarily the distance between the sites' boundaries. All values are an approximation.

Direction: The direction value is the compass direction of the site in respect to the project property and/or center point of the report.

Elevation: The elevation value is taken from the location at which the records for the site address have been plotted. All values are an approximation. Source: Google Elevation API.

Executive Summary: This portion of the report is divided into 3 sections:

'Report Summary'- Displays a chart indicating how many records fall on the project property and, within the report search radii.

'Site Report Summary'-Project Property'- This section lists all the records which fall on the project property. For more details, see the 'Detail Report' section.

'Site Report Summary-Surrounding Properties'- This section summarizes all records on adjacent properties, listing them in order of proximity from the project property. For more details, see the 'Detail Report' section.

Map Key: The map key number is assigned according to closest proximity from the project property. Map Key numbers always start at #1. The project property will always have a map key of '1' if records are available. If there is a number in brackets beside the main number, this will indicate the number of records on that specific property. If there is no number in brackets, there is only one record for that property.

The symbol and colour used indicates 'elevation': the red inverted triangle will dictate 'ERIS Sites with Lower Elevation', the yellow triangle will dictate 'ERIS Sites with Higher Elevation' and the orange square will dictate 'ERIS Sites with Same Elevation.'

Unplottables: These are records that could not be mapped due to various reasons, including limited geographic information. These records may or may not be in your study area, and are included as reference.

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES



CITY
DIRECTORY

Project Property:	<i>328 Victoria Road South, Guelph, ON</i>
Report Type:	<i>City Directory</i>
Order No:	<i>22030400887</i>
Information Source:	<i>Vernon's Guelph, ON City Directory</i>
Date Completed:	<i>03/08/2022</i>

Environmental Risk Information Services

A division of Glacier Media Inc.

1.866.517.5204 | info@erisinfo.com | erisinfo.com

City Directory Information Source
Vernon's Guelph, ON City Directory

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 2011	
Site Listing:	<ul style="list-style-type: none"> -Ontario Golf Superintendents Assn -Professional Lawn Care Associates of Ontario -Sports Turf Assn
Adjacent Properties:	
200 Victoria Road South	<ul style="list-style-type: none"> -Eggcetra Restaurant & Deli -Little Learners -The Party Corner
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-No Return
251 Victoria Street South	-No Return

253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Polymer Distribution -Akzo Novel Canada Inc
259 Victoria Road South	-No Return
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Residential (2 Tenants)
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Cargili Meat Solutions
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)

63 Lawrence Avenue	-Residential (2 Tenants)
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-No Return
527 Stone Road East	-Residential (1 Tenant) -Pizziola Design & Renovations
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Residential (1 Tenant)
588 Stone Road East	-Vacant
707 Stone Road East	-Residential (1 Tenant)
717 Stone Road East	-No Return
721 Stone Road East	-Residential (1 Tenant)

729 Stone Road East	-Address Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 2005-06	
Site Listing:	-Professional Lawn Care Associates of Ontario -Ontario Golf Superintendents Assn -Sports Turf Assn
Adjacent Properties:	
200 Victoria Road South	-The Party Corner -Little Learners -Eggcetra Restaurant & Deli
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)

251 Victoria Street South	-Residential (2 Tenants)
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Huntsman Corp
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Residential (2 Tenants)
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Address Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)

60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Residential (2 Tenants)
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Student Residence
527 Stone Road East	-Residential (1 Tenant) -Pizziola Design & Renovations
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Casatta-Wellington -Stone Road Classroom
588 Stone Road East	-Vacant
707 Stone Road East	-Residential (1 Tenant)
717 Stone Road East	-Residential (2 Tenants)

721 Stone Road East	-Address Not Listed
729 Stone Road East	-Address Not Listed
781 York Road	-Better Beed Ltd – Canadian Abattoir

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 2000-01	
Site Listing:	-Professional Lawn Care Associates of Ontario -Ontario Golf Superintendents Assn -Sports Turf Assn
Adjacent Properties:	
200 Victoria Road South	-The Party Corner -C D E Driver Training School -Willee D's
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)

249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (2 Tenants)
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Huntsman Corp
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Residential (3 Tenants)
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed

34 Lawrence Avenue	-No Return
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Residential (2 Tenants)
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Student Residence
527 Stone Road East	-Residential (1 Tenant)
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Casatta-Wellington -Stone Road Classroom
588 Stone Road East	-Ministry of Correctional Services
707 Stone Road East	-Residential (1 Tenant)

717 Stone Road East	-Residential (1 Tenant)
721 Stone Road East	-Residential (1 Tenant)
729 Stone Road East	-Address Not Listed
781 York Road	-Better Beed Ltd – Canadian Abattoir

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1994-95	
Site Listing:	-Professional Lawn Care Associates of Ontario -Ontario Golf Superintendents Assn -Sports Turf Assn
Adjacent Properties:	
200 Victoria Road South	-Guelph Carpet Centre -The Party Corner -Uncle Joe's -B J's Sign & Design
238 Victoria Road South	-Address Not Listed

247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant) -Guarantee Driving School
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Huntsman Corp
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Residential (1 Tenant)
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)

165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-No Return
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Residential (1 Tenant)
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Residential (2 Tenants)
527 Stone Road East	-No Return
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Casatta-Wellington
588 Stone Road East	-Ministry of Correctional Services

707 Stone Road East	-Residential (1 Tenant)
717 Stone Road East	-Residential (1 Tenant)
721 Stone Road East	-Residential (1 Tenant)
729 Stone Road East	-Address Not Listed
781 York Road	-Better Beed Ltd

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1989-90	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Guelph Carpet Centre
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)

249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Hart Chemical Ltd
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-No Return
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)

60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Residential (1 Tenant)
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant) -Auto-Exec Business Service
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Residential (1 Tenant)
527 Stone Road East	-Residential (1 Tenant)
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Casatta-Wellington
588 Stone Road East	-Ministry of Correctional Services
707 Stone Road East	-Residential (1 Tenant)
717 Stone Road East	-Residential (1 Tenant)

721 Stone Road East	-Address Not Listed
729 Stone Road East	-Address Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1985	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (2 Tenants)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)

253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Hart Chemical Ltd
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)

63 Lawrence Avenue	-Residential (1 Tenant)
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Residential (1 Tenant)
527 Stone Road East	-Residential (1 Tenant)
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Residential (1 Tenant) -Modern Rug & Upholstering Cleaners
588 Stone Road East	-Ministry of Correctional Services
707 Stone Road East	-Residential (1 Tenant)
717 Stone Road East	-Residential (1 Tenant)
721 Stone Road East	-Address Not Listed

729 Stone Road East	-Address Not Listed
781 York Road	-Guelph Beef Centre

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1980	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)
253 Victoria Road South	-Residential (1 Tenant)

256 Victoria Road South	-Hart Chemical Ltd -Witco Chemical Canada Ltd
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Residential (1 Tenant)

64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Residential (1 Tenant)
527 Stone Road East	-Residential (1 Tenant) -Woody's Home & Garden
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Residential (1 Tenant) -Modern Rug & Upholstering Cleaners
588 Stone Road East	-Address Not Listed
707 Stone Road East	-Residential (1 Tenant)
717 Stone Road East	-Residential (1 Tenant)
721 Stone Road East	-Address Not Listed
729 Stone Road East	-Address Not Listed

781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1975	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Hart Chemical Ltd

	-Witco Chemical Canada Ltd
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Residential (1 Tenant)

65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Residential (1 Tenant)
527 Stone Road East	-Residential (1 Tenant) -Woody's Home & Garden -Woody's Janitorial Service -Woody's Kennels
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Residential (1 Tenant) -Modern Rug & Upholstering Cleaners
588 Stone Road East	-Address Not Listed
707 Stone Road East	-Residential (1 Tenant)
717 Stone Road East	-Residential (1 Tenant)
721 Stone Road East	-Address Not Listed

729 Stone Road East	-Address Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1970	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)
253 Victoria Road South	-Residential (1 Tenant)

256 Victoria Road South	-Hart Chemical Ltd -Argus Chemical Canada Ltd
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Address Not Listed

64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Address Not Listed
490 Stone Road East	-Address Not Listed
527 Stone Road East	-Address Not Listed
555 Stone Road East	-Address Not Listed
579 Stone Road East	-Address Not Listed
588 Stone Road East	-Address Not Listed
707 Stone Road East	-Address Not Listed
717 Stone Road East	-Address Not Listed
721 Stone Road East	-Address Not Listed
729 Stone Road East	-Address Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1964	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed

270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Street Not Listed

490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed
555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed
588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1959	

Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)

80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Street Not Listed
490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed

555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed
588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1953	
Site Listing:	-Address Not Listed
Adjacent Properties:	

200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Residential (1 Tenant)
249 Victoria Street South	-Residential (1 Tenant)
251 Victoria Street South	-Residential (1 Tenant)
253 Victoria Road South	-Residential (1 Tenant)
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Residential (1 Tenant)
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed

95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (2 Tenants)
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Street Not Listed
490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed
555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed

588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1949	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed

247 Victoria Road South	-Address Not Listed
249 Victoria Street South	-Address Not Listed
251 Victoria Street South	-Address Not Listed
253 Victoria Road South	-Address Not Listed
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Address Not Listed
80 Audrey Avenue	-Address Not Listed
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (2 Tenants)

165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Residential (1 Tenant)
60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Residential (1 Tenant)
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Street Not Listed
490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed
555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed
588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed

717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1944	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Address Not Listed
249 Victoria Street South	-Address Not Listed

251 Victoria Street South	-Address Not Listed
253 Victoria Road South	-Address Not Listed
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Address Not Listed
80 Audrey Avenue	-Address Not Listed
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Address Not Listed

60 Lawrence Avenue	-Residential (1 Tenant)
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Address Not Listed
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Street Not Listed
490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed
555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed
588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed

729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1939	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Address Not Listed
249 Victoria Street South	-Address Not Listed
251 Victoria Street South	-Address Not Listed
253 Victoria Road South	-Address Not Listed

256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Address Not Listed
80 Audrey Avenue	-Address Not Listed
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Residential (1 Tenant)
98 Audrey Avenue	-Residential (1 Tenant)
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Address Not Listed
60 Lawrence Avenue	-Address Not Listed
63 Lawrence Avenue	-Address Not Listed

64 Lawrence Avenue	-Address Not Listed
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Street Not Listed
490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed
555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed
588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1930	
Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Address Not Listed
249 Victoria Street South	-Address Not Listed
251 Victoria Street South	-Address Not Listed
253 Victoria Road South	-Address Not Listed
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed

270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Address Not Listed
80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Address Not Listed
98 Audrey Avenue	-Address Not Listed
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Address Not Listed
60 Lawrence Avenue	-Address Not Listed
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Address Not Listed
65 Lawrence Avenue	-Residential (1 Tenant)
476 Stone Road East	-Street Not Listed

490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed
555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed
588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1922	

Site Listing:	-Address Not Listed
Adjacent Properties:	
200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Address Not Listed
249 Victoria Street South	-Address Not Listed
251 Victoria Street South	-Address Not Listed
253 Victoria Road South	-Address Not Listed
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Address Not Listed

80 Audrey Avenue	-Residential (1 Tenant)
94 Audrey Avenue	-Address Not Listed
95 Audrey Avenue	-Address Not Listed
98 Audrey Avenue	-Address Not Listed
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Address Not Listed
60 Lawrence Avenue	-Address Not Listed
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Address Not Listed
65 Lawrence Avenue	-Address Not Listed
476 Stone Road East	-Street Not Listed
490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed

555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed
588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

PROJECT NUMBER: 22030400887	
Site Address:	328 Victoria Road South, Guelph, ON
Year: 1917	
Site Listing:	-Address Not Listed
Adjacent Properties:	

200 Victoria Road South	-Address Not Listed
238 Victoria Road South	-Address Not Listed
247 Victoria Road South	-Address Not Listed
249 Victoria Street South	-Address Not Listed
251 Victoria Street South	-Address Not Listed
253 Victoria Road South	-Address Not Listed
256 Victoria Road South	-Address Not Listed
259 Victoria Road South	-Address Not Listed
270 Arboretum Road	-Street Not Listed
78 Audrey Avenue	-Address Not Listed
80 Audrey Avenue	-Address Not Listed
94 Audrey Avenue	-Address Not Listed

95 Audrey Avenue	-Address Not Listed
98 Audrey Avenue	-Address Not Listed
165 Dunlop Drive	-Street Not Listed
34 Lawrence Avenue	-Address Not Listed
60 Lawrence Avenue	-Address Not Listed
63 Lawrence Avenue	-Address Not Listed
64 Lawrence Avenue	-Address Not Listed
65 Lawrence Avenue	-Address Not Listed
476 Stone Road East	-Street Not Listed
490 Stone Road East	-Street Not Listed
527 Stone Road East	-Street Not Listed
555 Stone Road East	-Street Not Listed
579 Stone Road East	-Street Not Listed

588 Stone Road East	-Street Not Listed
707 Stone Road East	-Street Not Listed
717 Stone Road East	-Street Not Listed
721 Stone Road East	-Street Not Listed
729 Stone Road East	-Street Not Listed
781 York Road	-Address Not Listed

-All listings for businesses were listed as they are in the city directory.

-Listings that are residential are listed as "residential" with the number of tenants. The name of the residential tenant is not listed in the above city directory.

Appendix C

Government Records

April 7, 2022

MTE Consultants Inc.
520 Bingemans Centre Dr
Kitchener ON, N2B 3X9

Dear: Dylan Cave

RE: Environmental Records Review – 588 Stone Rd E, Guelph ON

This letter is in reply to your correspondence dated April 1, 2022 requesting a background search of our records for any environmental infractions and related concerns for the above noted property.

There is no historical data to indicate that this property is a Brownfield Site.

We have found no record of environmental infractions, spills and/or related concerns for this property.

We have found no information that would indicate that this property has been used as a cemetery or landfill.

You may wish to contact the Ontario Ministry of Environment, Conservation and Parks to inquire if they have any records pertaining to potential environmental contamination for this property.

Sincerely,



Alexandra Marson
Stormwater Service Program Coordinator

Development and Environmental Engineering
Engineering and Transportation Services

T 519-822-1260 x 3460
F 519-822-6194
E alexandra.marson@guelph.ca

City Hall
1 Carden St
Guelph, ON
Canada
N1H 3A1

T 519-822-1260
TTY 519-826-9771

guelph.ca

April 7, 2022

MTE Consultants Inc.
520 Bingemans Centre Dr
Kitchener ON, N2B 3X9

Dear: Dylan Cave

RE: Environmental Records Review – 328 Victoria Rd S, Guelph ON

This letter is in reply to your correspondence dated April 1, 2022 requesting a background search of our records for any environmental infractions and related concerns for the above noted property.

There is no historical data to indicate that this property is a Brownfield Site.

We have found no information that would indicate that this property has been used as a cemetery or landfill.

On July 7, 2014 there was a vehicle fire on the property (south side of Stone Road East) with an impact of 1000 litres of firewater and foam to the ground. Contractors were hired to clean up the impacted area and monitor soil samples.

You may wish to contact the Ontario Ministry of Environment, Conservation and Parks to inquire if they have any records pertaining to potential environmental contamination for this property.

Sincerely,



Alexandra Marson
Stormwater Service Program Coordinator

Development and Environmental Engineering
Engineering and Transportation Services

T 519-822-1260 x 3460
F 519-822-6194
E alexandra.marson@guelph.ca

City Hall
1 Carden St
Guelph, ON
Canada
N1H 3A1

T 519-822-1260
TTY 519-826-9771

guelph.ca

256 Victoria Road South

Polymer Distribution Inc.				
Active Waste class listing				
Waste Class	Waste class name	Primary Characteristic	Physical State	Specific Gravity
122 C	ALKALINE WASTES - OTHER METALS	CORROSIVE	Liquid	1.3
213 L	PETROLEUM DISTILLATES	LIQUID INDUSTRIAL WASTE	Liquid	0.98
221 I	LIGHT FUELS	IGNITABLE	Liquid	0.9
221 L	LIGHT FUELS	LIQUID INDUSTRIAL WASTE	Liquid	1
232 L	POLYMERIC RESINS	LIQUID INDUSTRIAL WASTE	Liquid	1
251 C	OIL SKIMMINGS & SLUDGES	CORROSIVE	Liquid	1
251 L	OIL SKIMMINGS & SLUDGES	LIQUID INDUSTRIAL WASTE	Liquid	1
252 L	WASTE OILS & LUBRICANTS	LIQUID INDUSTRIAL WASTE	Liquid	1
262 L	DETERGENTS/SOAPS	LIQUID INDUSTRIAL WASTE	Liquid	1
263 L	ORGANIC LABORATORY CHEMICALS	LIQUID INDUSTRIAL WASTE	Liquid	1.05

110 Dunlop Drive

Cargill Meat Solutions				
Active Waste class listing				
Waste Class	Waste class name	Primary Characteristic	Physical State	Specific Gravity
112 C	ACID WASTE - HEAVY METALS	CORROSIVE	Liquid	1
122 C	ALKALINE WASTES - OTHER METALS	CORROSIVE	Liquid	1
145 H	PAINT/PIGMENT/COATING RESIDUES	HAZARDOUS INDUSTRIAL WASTE	Liquid	1
146 B	OTHER SPECIFIED INORGANICS	HAZARDOUS WASTE CHEMICAL	Liquid	1
146 T	OTHER SPECIFIED INORGANICS	LEACHATE TOXIC	Liquid	1
146 T	OTHER SPECIFIED INORGANICS	LEACHATE TOXIC	Solid	
148 C	INORGANIC LABORATORY CHEMICALS	CORROSIVE	Liquid	1
148 L	INORGANIC LABORATORY CHEMICALS	LIQUID INDUSTRIAL WASTE	Solid	0
212 I	ALIPHATIC SOLVENTS	IGNITABLE	Solid	
213 L	PETROLEUM DISTILLATES	LIQUID INDUSTRIAL WASTE	Liquid	0.88
221 I	LIGHT FUELS	IGNITABLE	Liquid	0.86
221 L	LIGHT FUELS	LIQUID INDUSTRIAL WASTE	Solid	
251 L	OIL SKIMMINGS & SLUDGES	LIQUID INDUSTRIAL WASTE	Liquid	1
252 L	WASTE OILS & LUBRICANTS	LIQUID INDUSTRIAL WASTE	Liquid	0.8
252 T	WASTE OILS & LUBRICANTS	LEACHATE TOXIC	Liquid	0.98
263 C	ORGANIC LABORATORY CHEMICALS	CORROSIVE	Liquid	1
263 I	ORGANIC LABORATORY CHEMICALS	IGNITABLE	Liquid	1
312 P	PATHOLOGICAL WASTES	PATHOLOGICAL	Solid	0

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Friday, March 25, 2022 4:03 PM
To: Dylan Cave
Subject: RE: Information Request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationsservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sherees



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Dylan Cave <DCave@mte85.com>
Sent: March 25, 2022 11:48 AM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Information Request

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

MTE has been retained to complete a Phase One Environmental Site Assessment for a property located in Guelph, ON. We would like to inquire whether the TSSA has any records pertaining to the following properties:

- 237 VICTORIA RD S, Guelph
- 239 VICTORIA RD S, Guelph
- 241 VICTORIA RD S, Guelph
- 243 VICTORIA RD S, Guelph
- 245 VICTORIA RD S, Guelph
- 247 VICTORIA RD S, Guelph
- 249 VICTORIA RD S, Guelph
- 251 VICTORIA RD S, Guelph
- 253 VICTORIA RD S, Guelph
- 256 VICTORIA RD S, Guelph

If you have any questions, please let me know.

Kind regards,
Dylan

Dylan Cave, B.Sc., P.Geo. | Environmental Geoscientist
MTE Consultants Inc.

T: 519-743-6500 x1274 | DCave@mte85.com
520 Bingham Centre Drive, Kitchener, Ontario N2B 3X9
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From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Wednesday, April 6, 2022 9:52 AM
To: Dylan Cave
Subject: RE: Information Request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at <https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392> and email the completed form to publicinformationsservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sherees



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Dylan Cave <DCave@mte85.com>
Sent: April 5, 2022 2:23 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Information Request

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Hello,

MTE has been retained to complete a Phase One Environmental Site Assessment for a property located in Guelph, ON. We would like to inquire whether the TSSA has any records pertaining to the following properties:

1. 200 Victoria Road South, Guelph, ON
2. 256 Victoria Road South, Guelph, ON
3. 259 Victoria Road South, Guelph, ON
4. 270 Arboretum Road, Guelph, ON
5. 490 Stone Road East, Guelph, ON
6. 527 Stone Road East, Guelph, ON
7. 555 Stone Road East, Guelph, ON
8. 579 Stone Road East, Guelph, ON
9. 588 Stone Road East, Guelph, ON
10. 707 Stone Road East, Guelph, ON

If you have any questions, please let me know.

Kind regards,
Dylan

Dylan Cave, B.Sc., P.Geo. | Environmental Geoscientist
MTE Consultants Inc.

T: 519-743-6500 x1274 | DCave@mte85.com
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From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Friday, April 8, 2022 9:40 AM
To: Dylan Cave
Subject: RE: Information Request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

NO RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are no records in our database of any fuel storage tanks at the subject addresses.

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationsservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sherees



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Dylan Cave <DCave@mte85.com>
Sent: April 7, 2022 1:14 PM
To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Information Request

[CAUTION]: This email originated outside the organisation.

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MTE has been retained to complete a Phase One Environmental Site Assessment for a property located in Guelph, ON. We would like to inquire whether the TSSA has any records pertaining to the following properties:

1. 717 Stone Road East, Guelph, ON
2. 721 Stone Road East, Guelph, ON
3. 725 Stone Road East, Guelph, ON
4. 729 Stone Road East, Guelph, ON
5. 60 Lawrence Ave, Guelph, ON
6. 64 Lawrence Ave, Guelph, ON
7. 65 Lawrence Ave, Guelph, ON
8. 78 Audrey Ave, Guelph, ON
9. 80 Audrey Ave, Guelph, ON
10. 94 Audrey Ave, Guelph, ON

If you have any questions, please let me know.

Kind regards,
Dylan

Dylan Cave, B.Sc., P.Geo. | Environmental Geoscientist
MTE Consultants Inc.

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Dylan Cave

From: Public Information Services <publicinformationsservices@tssa.org>
Sent: Friday, April 8, 2022 4:47 PM
To: Dylan Cave
Subject: RE: Information Request

Please refrain from sending documents to head office and only submit your requests electronically via email along with credit card payment. We are all working remotely and mailing in applications with cheques will lengthen the overall processing time.

RECORD FOUND

Hello,

Thank you for your request for confirmation of public information.

- We confirm that there are records in our database of fuel storage tanks at the subject addresses:

Inventory Number	Address	City	Provin	Postal Co	Status	Asset Type / Context
10053867	785 YORK RD	GUELPH	ON	N1E 6A6	EXPIRED	FS PRIVATE FUEL OUTLET
10053890	785 YORK RD	GUELPH	ON	N1E 6A6	Active	FS PRIVATE FUEL OUTLET
11223504	785 YORK RD	GUELPH	ON	N1E 6A6	EXPIRED	FS Liquid Fuel Tank
11223544	785 YORK RD	GUELPH	ON	N1E 6A6	EXPIRED	FS Liquid Fuel Tank
11223580	785 YORK RD	GUELPH	ON	N1E 6A6	Active	FS Liquid Fuel Tank
11223618	785 YORK RD	GUELPH	ON	N1E 6A6	Active	FS Liquid Fuel Tank
11223659	785 YORK RD	GUELPH	ON	N1E 6A6	Active	FS Liquid Fuel Tank
57888938	785 YORK RD PO BOX 3600	GUELPH	ON	N1H 6P3	EXPIRED	FS Fuel Oil Tank

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392 and email the completed form to publicinformationsservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

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Kind regards,

Sherees



Public Information Agent

Facilities and Business Services

345 Carlingview Drive

Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationsservices@tssa.org

www.tssa.org



From: Dylan Cave <DCave@mte85.com>

Sent: April 8, 2022 10:00 AM

To: Public Information Services <publicinformationsservices@tssa.org>
Subject: Information Request

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Hello,

MTE has been retained to complete a Phase One Environmental Site Assessment for a property located in Guelph, ON. We would like to inquire whether the TSSA has any records pertaining to the following properties:

1. 98 Audrey Avenue, Guelph, ON
2. 785 York Road, Guelph, ON
3. 110 Dunlop Drive, Guelph, ON
4. 1165 Dunlop Drive, Guelph, ON

If you have any questions, please let me know.

Kind regards,
Dylan

Dylan Cave, B.Sc., P.Geo. | Environmental Geoscientist
MTE Consultants Inc.

T: 519-743-6500 x1274 | DCave@mte85.com
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NHIC Data

To work further with this data select the content and copy it into your own word or excel documents.

OGF ID	Element Type	Common Name	Scientific Name	SRank	SARO Status	COSEWIC Status	ATLAS NAD83 IDENT	COMMENTS
967366	SPECIES	Painted Skimmer	Libellula semifasciata				17NJ6322	
967366	SPECIES	Green-striped Darner	Aeshna verticalis				17NJ6322	
967366	SPECIES	Eastern Milksnake	Lampropeltis triangulum		NAR	SC	17NJ6322	
967366	SPECIES	Midland Painted Turtle	Chrysemys picta marginata			SC	17NJ6322	
967366	SPECIES	Barn Swallow	Hirundo rustica		THR	THR	17NJ6322	
967366	SPECIES	Eastern Meadowlark	Sturnella magna		THR	THR	17NJ6322	
967366	SPECIES	Bobolink	Dolichonyx oryzivorus		THR	THR	17NJ6322	
967366	SPECIES	Northern Map Turtle	Graptemys geographica		SC	SC	17NJ6322	
967366	SPECIES	Snapping Turtle	Chelydra serpentina		SC	SC	17NJ6322	
967366	SPECIES	American Burying Beetle	Nicrophorus americanus		EXP	EXP	17NJ6322	
967365	SPECIES	Painted Skimmer	Libellula semifasciata				17NJ6321	
967365	SPECIES	American Bumble Bee	Bombus pensylvanicus			SC	17NJ6321	
967365	SPECIES	Bristling Shadow Lichen	Phaeophyscia hirsuta				17NJ6321	
967365	SPECIES	Tawny Emperor	Asterocampa clyton				17NJ6321	
967365	SPECIES	Yellow-banded Bumble Bee	Bombus terricola		SC	SC	17NJ6321	
967365	SPECIES	Swamp Darner	Epiaeschna heros				17NJ6321	
967365	SPECIES	Eastern Milksnake	Lampropeltis triangulum		NAR	SC	17NJ6321	
967365	SPECIES	Midland Painted Turtle	Chrysemys picta marginata			SC	17NJ6321	
967365	SPECIES	Barn Swallow	Hirundo rustica		THR	THR	17NJ6321	
967365	SPECIES	Eastern Meadowlark	Sturnella magna		THR	THR	17NJ6321	


OGF ID	Element Type	Common Name	Scientific Name	SRank	SARO Status	COSEWIC Status	ATLAS NAD83 IDENT	COMMENTS
967365	SPECIES	Bobolink	Dolichonyx oryzivorus		THR	THR	17NJ6321	
967365	SPECIES	Wood Thrush	Hylocichla mustelina		SC	THR	17NJ6321	
967365	SPECIES	Western Chorus Frog - Great Lakes - St. Lawrence - Canadian Shield populati	Pseudacris maculata pop. 1		NAR	THR	17NJ6321	
967365	SPECIES	Common Hop-tree	Ptelea trifoliata		SC	SC	17NJ6321	
967365	SPECIES	Snapping Turtle	Chelydra serpentina		SC	SC	17NJ6321	
967365	SPECIES	American Burying Beetle	Nicrophorus americanus		EXP	EXP	17NJ6321	
967365	SPECIES	Black Ash	Fraxinus nigra			THR	17NJ6321	
967376	SPECIES	Blushing Scale Lichen	Psora decipiens				17NJ6422	
967376	SPECIES	Eastern Milksnake	Lampropeltis triangulum		NAR	SC	17NJ6422	
967376	SPECIES	Midland Painted Turtle	Chrysemys picta marginata			SC	17NJ6422	
967376	SPECIES	Barn Swallow	Hirundo rustica		THR	THR	17NJ6422	
967376	SPECIES	Eastern Meadowlark	Sturnella magna		THR	THR	17NJ6422	
967376	SPECIES	Bobolink	Dolichonyx oryzivorus		THR	THR	17NJ6422	
967376	SPECIES	Snapping Turtle	Chelydra serpentina		SC	SC	17NJ6422	
967376	SPECIES	American Burying Beetle	Nicrophorus americanus		EXP	EXP	17NJ6422	
967375	SPECIES		Vespula vidua				17NJ6421	
967375	SPECIES	Painted Skimmer	Libellula semifasciata				17NJ6421	
967375	SPECIES	Eastern Milksnake	Lampropeltis triangulum		NAR	SC	17NJ6421	
967375	SPECIES	Midland Painted Turtle	Chrysemys picta marginata			SC	17NJ6421	
967375	SPECIES	Barn Swallow	Hirundo rustica		THR	THR	17NJ6421	
967375	SPECIES	Eastern Meadowlark	Sturnella magna		THR	THR	17NJ6421	

OGF ID	Element Type	Common Name	Scientific Name	SRank	SARO Status	COSEWIC Status	ATLAS NAD83 IDENT	COMMENTS
967375	SPECIES	Bobolink	Dolichonyx oryzivorus		THR	THR	17NJ6421	
967375	SPECIES	Wood Thrush	Hylocichla mustelina		SC	THR	17NJ6421	
967375	SPECIES	Butternut	Juglans cinerea		END	END	17NJ6421	
967375	SPECIES	Western Chorus Frog - Great Lakes - St. Lawrence - Canadian Shield populati	Pseudacris maculata pop. 1		NAR	THR	17NJ6421	
967375	SPECIES	Snapping Turtle	Chelydra serpentina		SC	SC	17NJ6421	
967375	SPECIES	American Burying Beetle	Nicrophorus americanus		EXP	EXP	17NJ6421	


Appendix D

Mapping and Aerial Photographs







NORTH



PROJECT
NORTH

Legend

 Former Wellington Detention Center

 Former Turfgrass Lands

Data Sources:

National Air Photo Library Ottawa A2123-038 1930

0

70

140


210

280

350 m

Scale (11x17): 1:8000

Project CRS: NAD83 / UTM zone 17N



MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

Site

328 Victoria Road South and 588
Stone Road East, Guelph, ON

Title

1930 Aerial Photograph

Reviewed By	RJF	Project No 46927-104
Prepared By	DRC	
Drawn By	SAR	
Date	August 2022	

Figure No

1930



NORTH

PROJECT
NORTH

Legend

Former Wellington Detention Center

Former Turfgrass Lands

Data Sources:

National Air Photo Library Ottawa A18273-088 1964

070140210280350

m

Scale (11x17): 1:8000

Project CRS: NAD83 / UTM zone 17N

MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

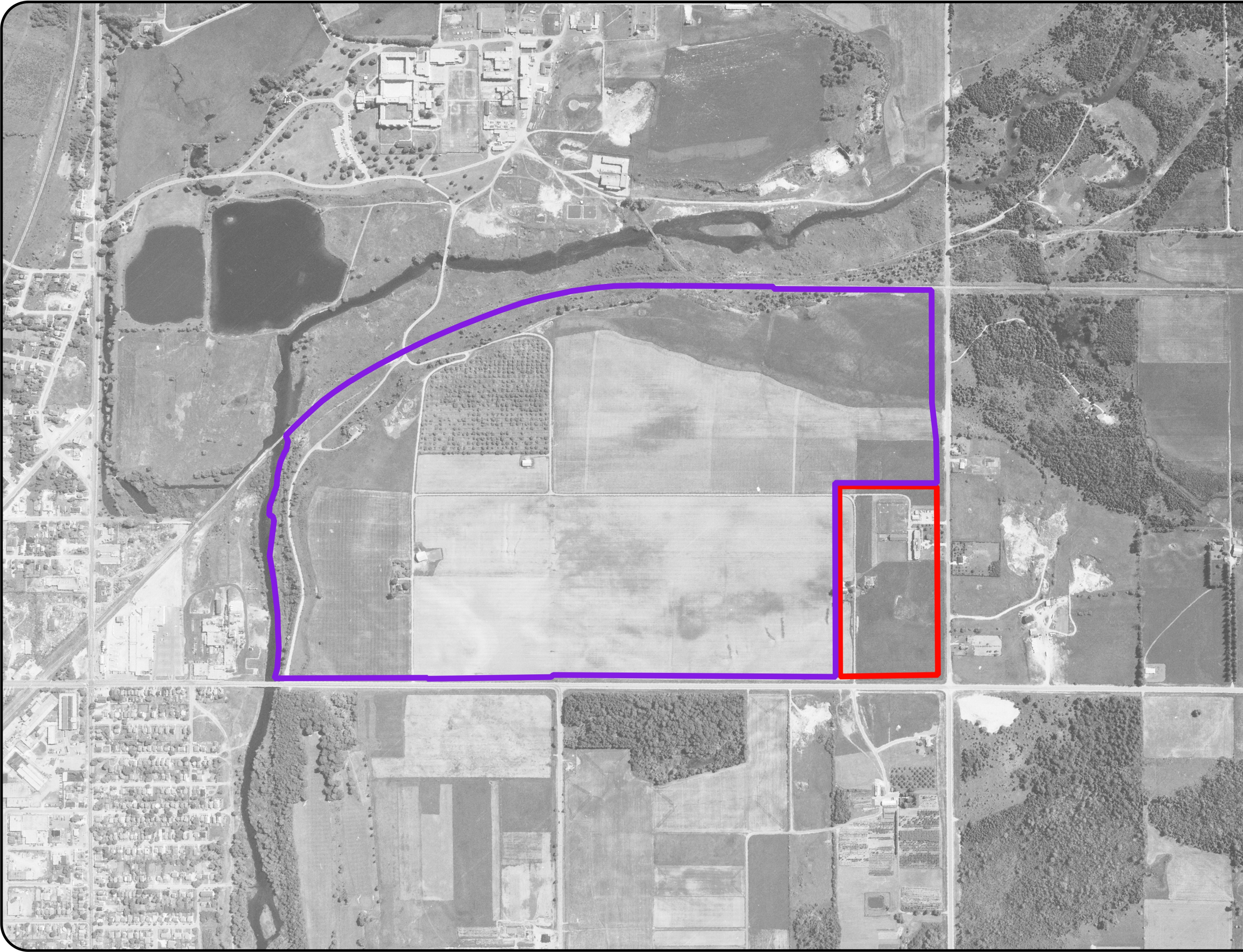
Site


328 Victoria Road South and 588
Stone Road East, Guelph, ON

Title


1964 Aerial Photograph

Reviewed By	RJF	
Prepared By	DRC	Project No 46927-104
Drawn By	SAR	Figure No
Date	August 2022	1964







NORTH



PROJECT
NORTH

Legend

 Former Wellington Detention Center

 Former Turfgrass Lands

Data Sources:


National Air Photo Library Ottawa A22458-031 1972

070140210280350

m

Scale (11x17): 1:8000

Project CRS: NAD83 / UTM zone 17N



MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

Site

328 Victoria Road South and 588
Stone Road East, Guelph, ON


Title

1972 Aerial Photograph


Reviewed By	RJF	Project No 46927-104
Prepared By	DRC	
Drawn By	SAR	
Date	August 2022	

Figure No
1972







NORTH



PROJECT
NORTH

Legend

 Former Wellington Detention Center

 Former Turfgrass Lands

Data Sources:

National Air Photo Library Ottawa A25648-018 1981

0

70

140


210

280

350 m

Scale (11x17): 1:8000

Project CRS: NAD83 / UTM zone 17N



MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

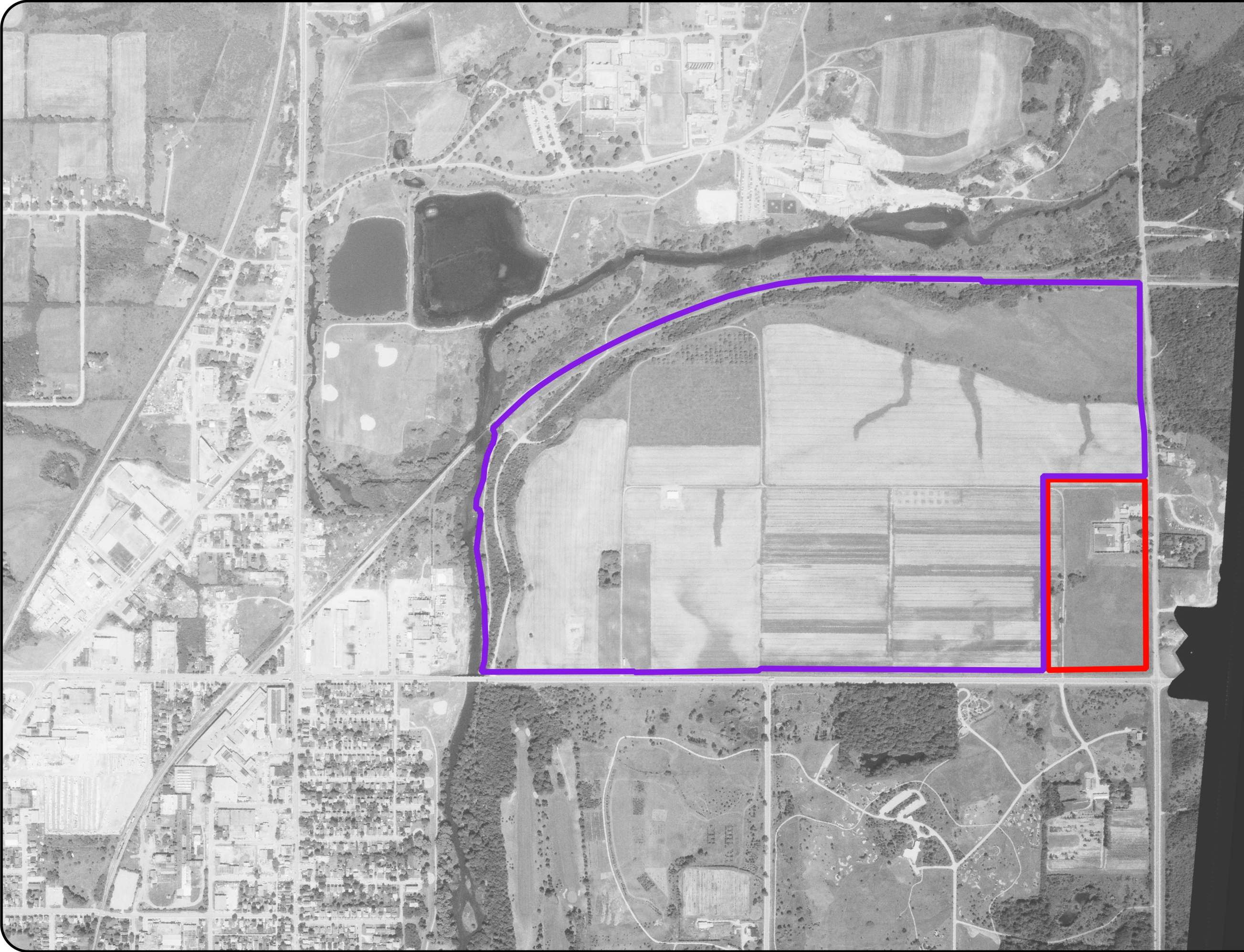
Site


328 Victoria Road South and 588
Stone Road East, Guelph, ON

Title


1981 Aerial Photograph

Reviewed By	RJF	<div>Project No46927-104</div> <div>Figure No1981</div>
Prepared By	DRC	
Drawn By	SAR	
Date	August 2022	







NORTH



PROJECT
NORTH

Legend

 Former Wellington Detention Center

 Former Turfgrass Lands

Data Sources:

National Air Photo Library Ottawa A27597-091 1990

0


70

140

210


280

350 m



Scale (11x17): 1:8000

Project CRS: NAD83 / UTM zone 17N



MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

Site

328 Victoria Road South and 588
Stone Road East, Guelph, ON

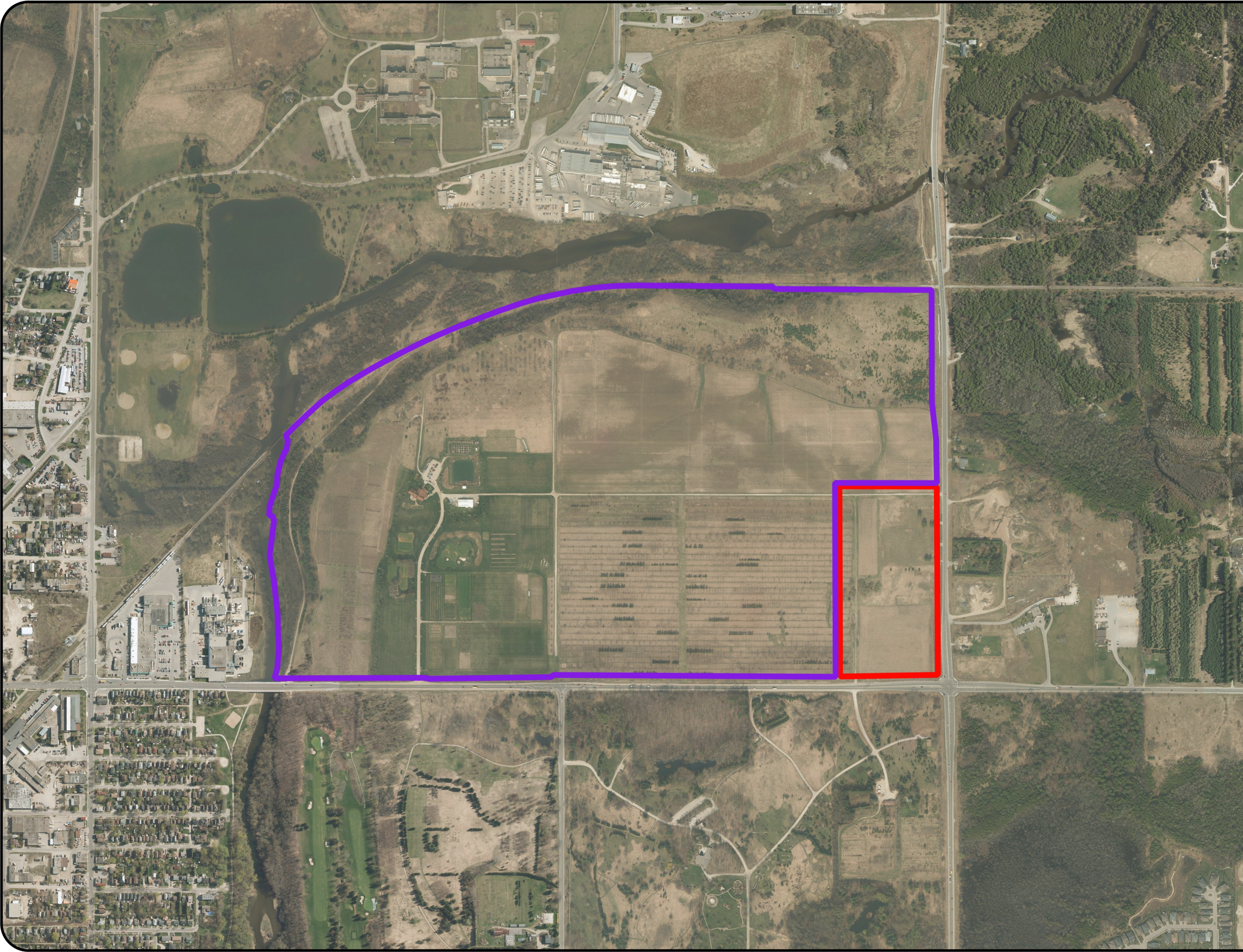
Title

1990 Aerial Photograph

Reviewed By	RJF	Project No 46927-104
Prepared By	DRC	
Drawn By	SAR	
Date	August 2022	

Figure No

1990



NORTH

PROJECT NORTH

Legend

Former Wellington Detention Center

Former Turfgrass Lands

Data Sources:

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070140210280350

m

Scale (11x17): 1:8000

Project CRS: NAD83 / UTM zone 17N

MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

Site

328 Victoria Road South and 588 Stone Road East, Guelph, ON

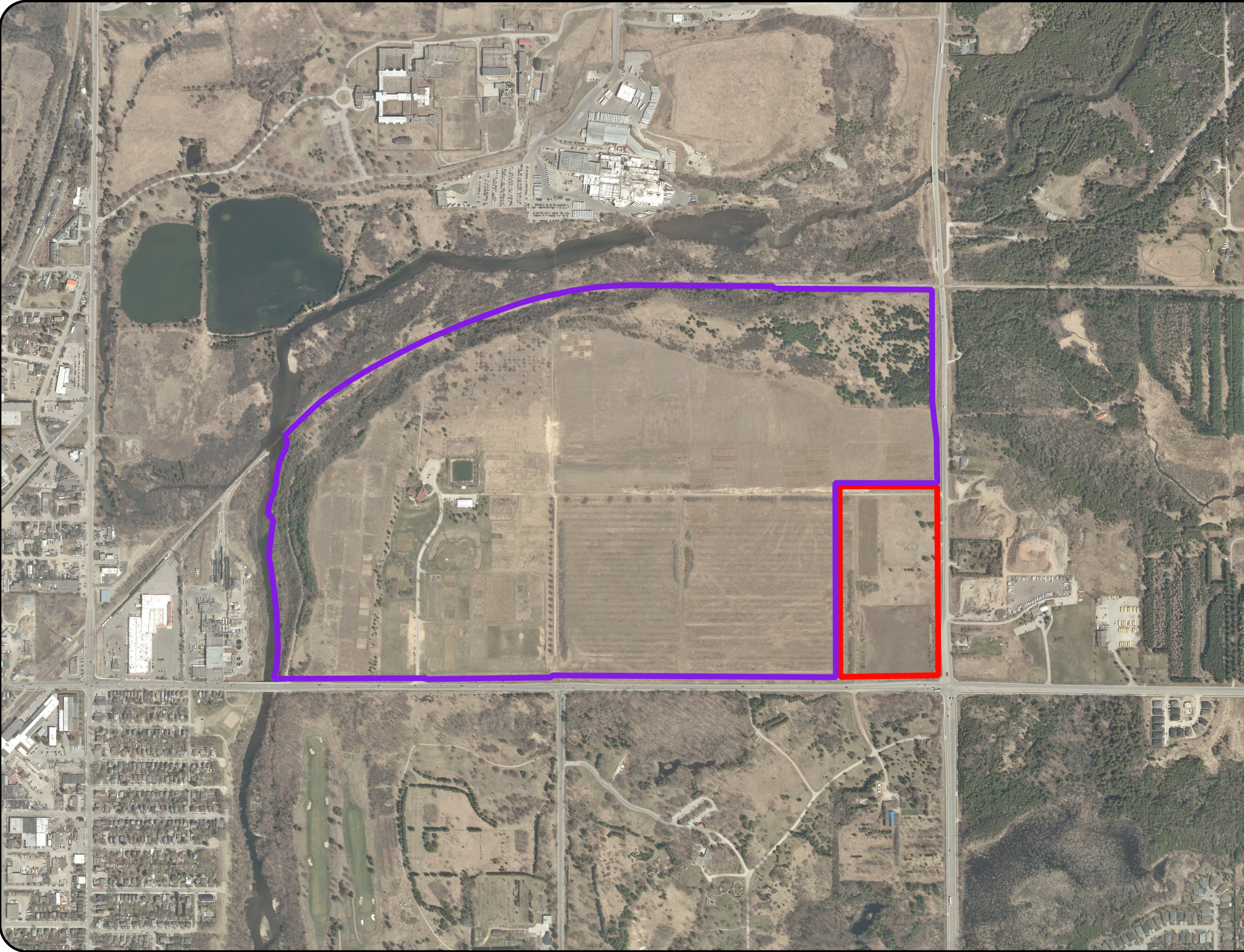
Title

2010 Aerial Photograph

Reviewed By	RJF	Project No 46927-104
Prepared By	DRC	
Drawn By	SAR	
Date	August 2022	

Figure No

2010



NORTH

PROJECT NORTH

Legend

Former Wellington Detention Center

Former Turfgrass Lands

Data Sources:

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0

70

140

210

280

350 m

Scale (11x17): 1:8000

Project CRS: NAD83 / UTM zone 17N

MTE

Engineers, Scientists, Surveyors

Ph. (519) 743-6500

Client

Fusion Homes

Project

Phase One ESA

Site

328 Victoria Road South and 588 Stone Road East, Guelph, ON

Title

2021 Aerial Photograph

Reviewed By	RJF	<div>Project No 46927-104</div> <div>Figure No 2021</div>
Prepared By	DRC	
Drawn By	SAR	
Date	August 2022	

Appendix E

Interview and Inspection Records



Note to interview candidate: please provide responses to each question, or note if unknown or not applicable as case may be. If needed, additional comments can be provided on last page.

Site Address:	GID Lands	MTE File No.:	46927-1074
		Date:	April 6, 2022
MTE Representative:	Dylan Cave		
Name of Interview Candidate:	Remo Pallottini		
Title of Interview Candidate:	Director, Research Facilities Management		
Relationship to the Site:	Infrastructural Coordinator		
Years Familiar with the Site:	20 years		

Section 1: Owner and Tenant Information

- 1.1 Who is/are the current owner(s) of the Site?
Please provide years of ownership and full legal names (if known).
Fusion Homes
- 1.2 Who is/are the current tenant(s) of the Site?
Please provide a brief description of operations and years of occupancy.
Remo was unaware of any current tenants.
The University is no longer working at the property.
- 1.3 When was the Site first developed and by whom? ☒ Unknown
- 1.4 Who is/are the previous owner(s) of the Site? ☐ Unknown
Please provide years of ownership and full legal names (if known)
Agricultural Research Institute of Ontario (ARIO)
Crown
- 1.5 Who is/are the previous tenant(s) of the Site? ☐ Unknown
Please provide years of occupation and a brief description of operations.
Prime Tenant University of Guelph- Agreement with Ministry- Managed the property
Administrative Tenants within the building- Sports Turf Association and Ontario Golf Superintendents Association



Section 2: Building Information

2.1 Are there existing or former buildings at the Site?

☒ Yes ☐ No

If yes, list and indicate former or existing buildings including year(s) of construction/demolition, construction type, etc.

Current buildings include:
 Frost Centre - Constructed mid-1990s, concrete pad, concrete block, wood framed
 Workshop - Constructed mid-1990s, pre-fabricated building
 Pump House - Constructed mid-1990s, wood framed

2.2 Are there any floor plans or engineering drawings for existing or former buildings?

☒ Yes ☐ No ☐ Unknown ☐ Not Applicable

If yes, please provide.

2.3 Are there any major ongoing or previous renovations to the existing building(s)?

☐ Yes ☒ No ☐ Unknown ☐ Not Applicable

If yes, describe

2.4 Have any additions been constructed on the existing building(s)?

☐ Yes ☒ No ☐ Unknown ☐ Not Applicable

If yes, describe.

2.5 Are there heating systems associated with the building(s)?

☒ Yes ☐ No ☐ Not Applicable

If yes, describe fuel source, type of heating systems, and any waste products. (e.g., combustion gases or ash).

Current System: Forced air, natural gas fired.

Former System: Geothermal heating system operated on an open loop (groundwater pumped to heat exchangers, then discharged to aquifer/irrigation ponds). The system was decommissioned approximately 5 years



2.6 Are there any current or former heating systems that use fuel oil (furnace oil) as a fuel source?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

2.7 Are there cooling systems associated with the buildings(s)?

☒ Yes ☐ No ☐ Unknown

If yes, describe fuel source, type of cooling systems, and any associated ozone- depleting materials.

Frost Building: Direct extension air conditioning
Workshop: Natural gas fired radiant heater

2.8 Are there any loading docks or shipping/receiving bays?

☐ Yes ☒ No

If yes, describe.

2.9 Are there any former or current roof leaks?

☒ Yes ☐ No ☐ Unknown ☐ Not Applicable

If yes, describe.

Asphalt shingle roof- Minor leaks repaired



2.10 Are there any sumps in the building(s)?

☐ Yes ☒ No ☐ Unknown ☐ Not Applicable

If yes, describe the sump pump discharge.

No basement

2.11 Are there any areas of mould/water damage in the building(s)?

☐ Yes ☒ No ☐ Unknown ☐ Not Applicable

If yes, describe.

2.12 Are there any concerns related to indoor air quality in the building(s)?

☐ Yes ☒ No ☐ Unknown ☐ Not Applicable

If yes, describe.

2.13 Has testing for radon gas been completed in any building(s) at the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

2.14 Are there any asbestos, lead, urea foam formaldehyde insulation (UFFI) or PCB-containing materials in the building(s), or any previous activities involving the removal of these substances?

☐ Yes ☒ No ☐ Not Applicable

If yes, describe.

No asbestos
Remo unknown whether lead, UFFI or PCB containing materials are present

Section 3: Site Services

3.1 Are any underground utility drawings available for the Site?

☐ Yes ☐ No ☒ Unknown

If yes, describe.

3.2 Are there any easements on the Site (e.g., right-of-way, utility easements related to hydro, gas, telephone, etc.)?

☐ Yes ☐ No ☒ Unknown

If yes, describe.

A hydro easement (Guelph Hydro) may be present through a portion of the property.

3.3 Are there back-up generators or emergency power systems at the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe fuel source

3.4 What type of potable water supply is available at the Site?

☐ Municipal ☒ Private ☐ None

If private, describe water supply wells (number, locations, screen depths) and provide any available well logs or testing information.

One water supply well is located around the Frost Centre. During University of Guelph's time at the Site, they operated under O.Reg 170. Regular testing was performed on the well and no issues were reported.

3.5 Is a water treatment system present at the Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe and provide any available testing information and/or regulatory approvals.

Softner/UV Treatment



3.6 What type of wastewater (sewage) system is available at the Site?

☐ Municipal ☒ Private ☐ None

If private, describe locations of septic bed and tank, and provide any available permits or testing information.

Septic tank, reportedly connected to a septic bed.

3.7 Is any pre-treatment of wastewater performed at the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

3.8 Are there any stormwater management ponds at the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe location.

Agricultural tile drainage

3.9 Are there any catchbasins at the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe locations and discharge.

3.10 Are there any problems with Site drainage (e.g., basement flooding, surface water ponding, flooding, etc.)?

☐ Yes ☒ No ☐ Unknown

If yes, describe.



3.11 Are there any electrical transformers located on the Site?

☒ Yes ☐ No ☐ Unknown

If yes, who owns them, do they contain PCBs, have they been tested?

One located outside the main building
Unknown if it contained PCB oils

3.12 Are there any existing or former rail lines/spurs on the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

Adjacent to the property

Section 4: Site Operations

4.1 Are any plans or drawings available showing areas of production, manufacturing, chemical or waste storage in the buildings or premises?

☐ Yes ☐ No ☒ Unknown

If yes, describe.

4.2 Are any process, production and maintenance documents available related to site operations?

☒ Yes ☐ No ☐ Unknown

If yes, please provide.

4.3 Are there any current or previous agricultural activities on the Site?

☒ Yes ☐ No ☐ Unknown

If yes, approximately what years, what crops, and what pesticides were applied?

Agricultural Cropping/Agroforestry - Standard crop rotation, sold for human consumption. Standard fertilizers and pesticides applied to crops.



4.4 Are there any pesticides/herbicides/sludge applications at the Site?

☒ Yes ☐ No ☐ Unknown

If yes, when, and what products were used?

See 4.3

4.5 Are there any current or former vehicle maintenance, auto body or machine shop operations at the Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe how the waste liquid fluids are/were handled?

General maintenance was performed within the workshop on agricultural equipment (lawn mowers, etc.) Small quantities of waste oils were generated during maintenance of equipment and disposed of according to provincial guidelines (HWIN Registration)

4.6 Is there any hydraulic lift equipment (e.g., in-ground vehicle hoists, elevators) on the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

4.7 Is there any former or current equipment, vehicle or plant floor wash down at the Site?

☐ Yes ☐ No ☒ Unknown

If yes, describe.

The floor was occasionally washed. There is a floor drain within the workshop, however, it is unknown where it discharges to

4.8 Were there any fires at the Site (e.g., building fires, waste incineration, brush fires, etc.)?

☐ Yes ☒ No ☐ Unknown

If yes, describe.



4.9 Are there any former or current dust control activities at the Site?

☐ Yes ☐ No ☒ Unknown

If yes, list dust control methods and products used.

Calcium products may have been used to control dust on gravel laneways

4.10 Has salt or any other de-icing chemical ever been used for winter maintenance of walkways or parking areas?

☒ Yes ☐ No ☐ Unknown

If yes, describe product used, storage and application practices.

Commercial sized de-icing chemicals (salt) were stored at the Site and used on walkways.

The remainder of the areas (roads) were maintained by a contractor.

Section 5: Fuel Storage and Handling

5.1 Are there any aboveground or underground fuel storage tanks located on Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe type, construction material, secondary containment, size, age, contents of each, and provide any testing and/or TSSA registration information.

Fire reservoir UST

5.2 Were any aboveground or underground fuel storage tanks removed in the past?

☒ Yes ☐ No ☐ Unknown

If yes, describe type, construction material, secondary containment, size, contents of each, date(s) of removal, details of removal.

Please provide any available reports related to tank removal and confirmatory testing.

One double walled, diesel AST
One double walled, gasoline AST
One chemical UST. The UST was connected to the lab and was rarely used. The tank was decommissioned approximately 3 years ago (2018/2019). Englobe was retained to document the removal.

5.3 Are there any current or former fuel pumps or fuelling systems on the Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe.

Gasoline/diesel ASTs



5.4 Are there any jerry cans, drums or totes containing fuel/oil/lubricants on Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe.

Minor storage of fuel/oil/lubricants took place in the workshop for general day to day operations.

Section 6: Waste Oils, Chemicals, Liquid Wastes, Solid Wastes

6.1 Are any waste oils generated and/or stored on Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe waste storage locations and disposal practices.

HWIN registered

6.2 Are there any oil-water separators and/or floor drains at the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe location, installation date, source of incoming liquid and effluent discharge location.

No oil/water separator is located at the Site.
One floor drain inside the maintenance building. It is unknown where the drain is connected to.

6.3 Are any chemicals or solvents stored or used at the Site?

☒ Yes ☐ No ☐ Unknown

If yes, provide an inventory of chemicals, and describe chemical usage and chemical storage areas.

Small quantities were stored within the workshop.

6.4 Are Material Safety Data Sheets (MSDS) or Safety Data Sheets (SDS) available for any chemical compounds used on the Site?

☐ Yes ☒ No ☐ Unknown

If yes, provide a complete list of chemical compounds with MSDS or SDS.



6.5 Are any liquid industrial wastes generated at the Site?

☐ Yes ☒ No ☐ Unknown

If yes, how are they disposed?

6.6 Are waste management records available for the Site, including current and historical waste storage locations and waste generator and waste receiver information maintained pursuant to Regulation 347?

☒ Yes ☐ No ☐ Unknown

If yes, please describe and provide copies of relevant records.

6.7 Are solid wastes (e.g., scrap, household waste, recycling) generated on-Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe storage and disposal practices.

Contract removal
Recycling/Garbage bin

6.8 Are batteries (non-household type) used on the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe storage and disposal practices.

6.9 Has any liquid or solid waste been dumped, placed or buried on the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe.



6.10 Has any soil (fill, gravel, topsoil, etc.) been brought to and deposited on the Site (for construction, grading, filling low areas, berms, etc.)?

☒ Yes ☐ No ☐ Unknown

If yes, describe.

Soil was imported to the site to construct the turfgrass research area

Section 7: Spills

7.1 Are there any records of spills (e.g., chemical, oil) or records of discharges of contaminants?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

7.2 Are spill prevention and contingency plans available (e.g., secondary containment measures, spill kits, spill response training for employees)?

☐ Yes ☐ No ☒ Unknown

If yes, describe.

Section 8: Environmental Compliance

8.1 Is there any known or suspected soil and/or groundwater contamination at the Site?

☐ Yes ☐ No ☒ Unknown

If yes, describe.

8.2 Are there any contaminant discharges from the Site to the natural environment (e.g., stack emissions, fugitive air emissions)?

☐ Yes ☒ No ☐ Unknown

If yes, describe emissions contaminants, type, and operations.



8.3 Is the Site operating under and in accordance with an Environmental Compliance Approval (formerly Certificate of Approval)?

☐ Yes ☒ No ☐ Unknown

If yes, please describe and provide an Environmental Compliance Approval (ECA) number.

ECA-waste water disposal (discharge of the geothermal)
Groundwater was pumped from the ground, passed through heat exchangers, then injected back to the ground between 1990s-2017. In approximately 2017, prior to the system being decommissioned, the water was discharged to the irrigation pond instead of being injected to the ground. The system, including the injection well was decommissioned in 2017.

8.4 Is there a Joint Health and Safety Committee?

☐ Yes ☒ No ☐ Unknown

If yes, do they have any outstanding environmental concerns?

8.5 Are there any current or former regulatory compliance issues (such as zoning, labour or environment) related to the Site?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

8.6 Are there any previous environmental reports, environmental audit reports or environmental monitoring data (including data created in response to an order or request of the Ministry of the Environment, Conservation and Parks) available for the Site?

☒ Yes ☐ No ☐ Unknown

If yes, please provide.

8.7 Are there any geotechnical reports for building/development available?

☒ Yes ☐ No ☐ Unknown

If yes, please provide.

8.8 Are there any property appraisal or insurance inspection reports available?

☐ Yes ☐ No ☒ Unknown

If yes, please provide.



8.9 Are there any existing monitoring wells on the Site?

☒ Yes ☐ No ☐ Unknown

If yes, describe.

One monitoring well- Central portion of the Site was installed to monitor aquifers.

8.10 Are there any regulatory permits and records available related to potential environmental concerns?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

8.11 Have any other inspections occurred on the Site (i.e., Ministry of Labour, Ministry of the Environment, Conservation and Parks, Municipality, Insurance Agency, etc.)?

☐ Yes ☐ No ☒ Unknown

If yes, describe.

Potentially with the water system

8.12 Are there any problems with the neighbouring properties such as chemical storage, contamination, etc.?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

8.13 Are there any noise or odour problems related to the Site or surrounding neighbouring properties?

☐ Yes ☒ No ☐ Unknown

If yes, describe.



Section 9: Additional Information

9.1 Is there another person we should contact for additional information?

☐ Yes ☒ No ☐ Unknown

If yes, please provide contact information.

9.2 Do you have any additional comments pertaining to the Site (environmental, operations, historical information)?

☐ Yes ☐ No

If yes, describe.

Additional Questions:

1.What chemicals were applied to the fields for research/agricultural purposes? (where were the chemicals stored?)

2.Were any of the agricultural products sold? or used for human or animal consumption? or was it purely for research purposes?

-Sold into commercial market

-Biomass crops for energy sold into biogas/pulp and paper

3.Were any of the agricultural waste/products buried on the Site? If not, how were products disposed of?

The above information is a true representation of my knowledge of the Site and operations. I understand that this information will be reviewed by MTE and compiled in the Environmental Site Assessment report.

Signature of Interview Candidate: _____



Site Address:

GID Lands

MTE File No.:

46927-104

Date/Time:

April 12, 2022

MTE Representative:

Dylan Cave

Name of Site Contact:

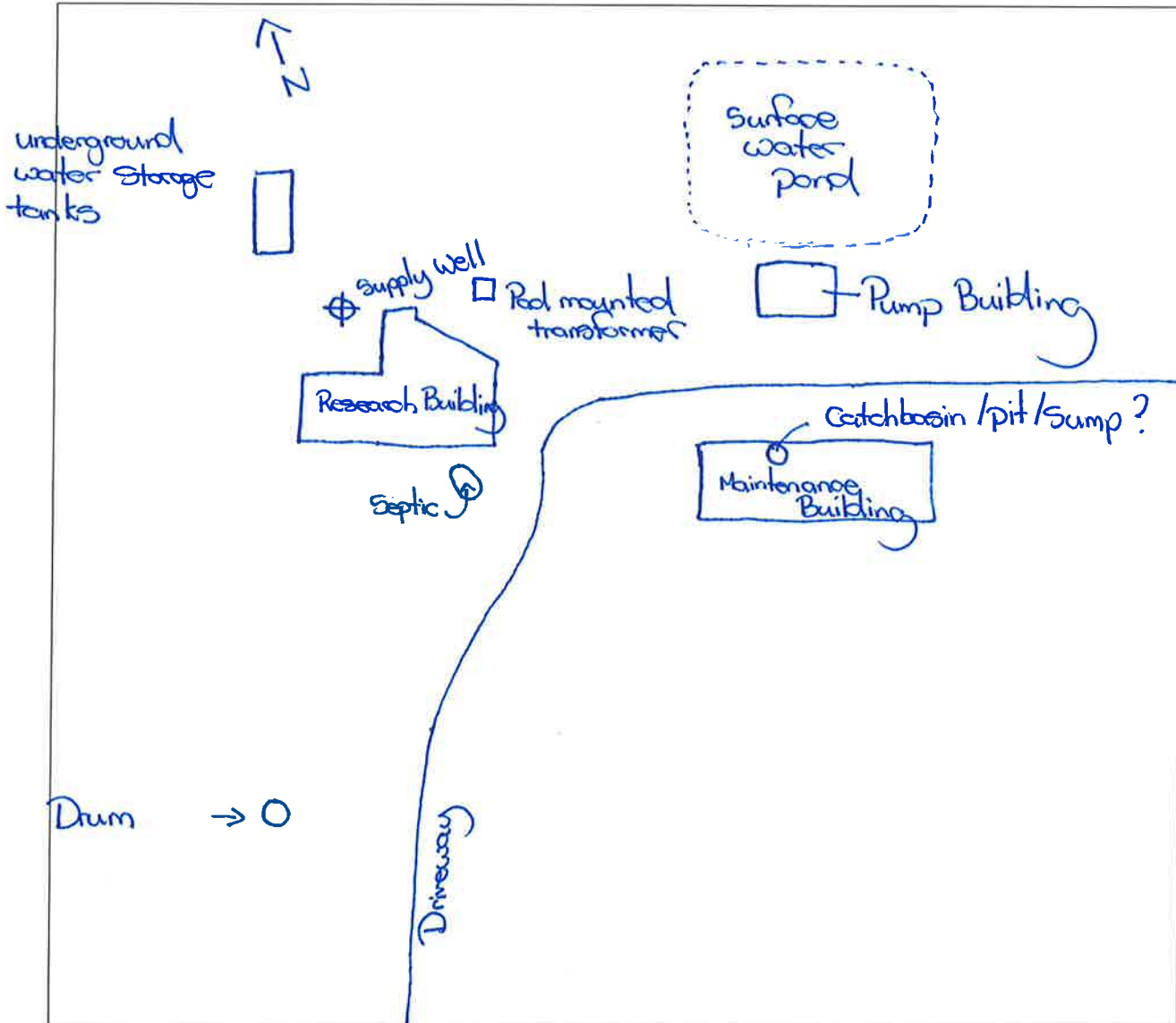
Ben Jones

Weather Conditions:

20°C, Sunny

Section 1: Site Setting, Occupant Information, and Operations

Provide a sketch in the space below (or attach a site plan) showing topographic conditions and locations of structures, fuel storage tanks, watercourses, ditches, standing water, parking facilities, evidence of asphalt or floor repairs, roads, rights-of-way, and lagoons on or adjacent to the Site.



Victoria



1.1 Who is/are the current occupant(s)/tenant(s) of the Site?

Provide a brief description of operations and housekeeping observed during the inspection.

The police use one of the building for training on weekends

1.2 What is the current type of property use (check all that apply)?

- | | |
|---|--|
| <input checked="" type="checkbox"/> Commercial use | <input type="checkbox"/> Industrial use |
| <input type="checkbox"/> Community use | <input type="checkbox"/> Residential use |
| <input checked="" type="checkbox"/> Institutional use | <input type="checkbox"/> Parkland use |
| <input checked="" type="checkbox"/> Agricultural or other use | <input type="checkbox"/> Vacant (confirm last known use) |

1.3 Was any evidence observed of the following operations at the Site?

- | | | |
|--|---|--|
| Agricultural / Potential Pesticide Use | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Bulk liquid dispensing (e.g., gasoline outlet) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Dry Cleaning (Depot or Facility) | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Machine Shop | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Manufacturing | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Rail yards, tracks and spurs | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Vehicle maintenance or repairs | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| Waste Treatment, Disposal, or Recycling | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |

Section 2: Building Information and Special Attention Items

2.1 Are there existing buildings at the Site?

- ☒ Yes ☐ No

If yes, list the existing buildings and describe observed uses, construction type, additions, etc.

Research Building - slab on grade, vinyl siding, shingled roof, concrete & drywall walls, carpet & tiled floors
Maintenance Building - slab on grade, metal framed walls, concrete floor
Pump Building - slab on grade, metal walls, concrete floor



2.2 Was any evidence observed of loading docks or shipping/receiving bays?

☐ Yes ☒ No

If yes, describe.

2.3 Was any evidence observed of pits or other similar floor openings or depressions?

☒ Yes ☐ No

If yes, describe.

Pit/catch basin located with maintenance building

2.4 Was any evidence observed of heating systems associated with the building(s)?

☒ Yes ☐ No

Fuel source: ☒ Natural Gas ☐ Fuel Oil ☐ Electric ☐ Other (describe below)

2.5 Was any evidence observed of mould/water damage or roof leaks in the building(s)?

☐ Yes ☒ No

If yes, describe.

2.6 Was any evidence noted of odours or other concerns related to indoor air quality?

☐ Yes ☒ No

If yes, please describe.

2.7 Was any evidence observed of the following suspected asbestos-containing material?

Building Insulation	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Transite wall board, siding, or roof panels	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Pipe Wrap/Insulation	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Boiler Insulation	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Tank Linings	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Ceiling Tiles	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Floor Tiles	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Plaster	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Expansion Joint	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Thermal Insulation	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Spray Fire-Proofing	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

*not likely based on
age of construction*

If yes to any of the above, describe the location and condition.

2.8 Was any evidence observed of potential PCB-containing equipment, including transformers, florescent light ballasts/capacitors?

☒ Yes ☐ No

If yes, describe.

*Transformers north of research building (not tagged)
Pole mounted along stone road*

2.9 Was any evidence observed of potential lead-containing materials in the building(s), including interior/exterior paint or lead pipes?

☐ Yes ☒ No

If yes, describe.

2.10 Was any evidence observed of potential ozone-depleting substances (for example, refrigeration or air conditioning equipment in place before 1998)?

☐ Yes ☐ No

If yes, describe.

AC in research building

2.11 Was any evidence observed of potential UFFI-containing materials in the building(s)?

☐ Yes ☒ No

If yes, describe.

2.12 Was any evidence observed of potential major or persistent sources of noise and/or vibration, odours, or electric and magnetic fields (e.g., high voltage power lines)?

☐ Yes ☒ No

If yes, describe.

Hydro towers run through the central portion of the property
→ not high voltage

Section 3: Site Services

3.1 Was any evidence observed of the following site services (check all that apply)?

Potable Water Supply	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Private Well	<input type="checkbox"/> None
Wastewater (sewage) system	<input type="checkbox"/> Municipal	<input checked="" type="checkbox"/> Septic System	<input type="checkbox"/> None
Stormwater management ponds	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	
Catch basins	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Electricity Service	<input checked="" type="checkbox"/> Underground	<input checked="" type="checkbox"/> Overhead	<input type="checkbox"/> None
Telecommunication Service	<input checked="" type="checkbox"/> Underground	<input checked="" type="checkbox"/> Overhead	<input type="checkbox"/> None
Natural Gas Service	<input checked="" type="checkbox"/> Underground	<input type="checkbox"/> None	

If applicable, describe on-Site water supply wells (and any treatment systems) and/or septic systems.

Water supply well observed north of Research Building
septic observed south of Research Building

3.2 Was any evidence observed of back-up generators or emergency power systems?

☐ Yes ☒ No

If yes, describe fuel source.



3.3 Was any evidence observed of potential drainage issues (e.g., floodplain, surface water ponding, flooding, etc.)?

☐ Yes ☒ No

If yes, describe.

Section 4: Site Operations

4.1 Was any evidence observed of hydraulic equipment (e.g., in-ground vehicle hoists, elevators, loading docks, cranes, presses, compactors) on the Site?

☐ Yes ☒ No

If yes, describe.

4.2 Was any evidence observed of equipment, vehicle or plant floor wash down at the Site?

☐ Yes ☒ No

If yes, describe.

Maintenance building present
→ not in use

4.3 Was any evidence observed of fires (e.g., building fires, waste incineration, brush fires, etc.)?

☐ Yes ☒ No

If yes, describe.

4.4 Was any evidence observed of dust control activities at the Site?

☐ Yes ☒ No

If yes, list dust control methods and products used.



4.5 Was any evidence observed of salt or any other de-icing chemical storage or application?

☐ Yes ☒ No

If yes, describe product(s) observed, storage and application practices.

Section 5: Fuel Storage and Handling

5.1 Was any evidence observed of existing aboveground or underground fuel storage tanks observed at the Site?

☐ Yes ☒ No

If yes, describe type and contents, any observations related to construction material, secondary containment, rusting, or surface spills, and any label information regarding capacity, year, spill containment type, etc.

5.2 Was any evidence observed of former aboveground or underground fuel storage tanks removed in the past (e.g., fill or vent pipes, copper fuel lines, boiler room pipe openings)?

☐ Yes ☒ No

If yes, describe.

5.3 Was any evidence observed of fuel pumps or fueling systems on the Site?

☐ Yes ☒ No

If yes, describe.

5.4 Was any evidence observed of jerry cans, drums or totes containing fuel/oil/lubricants?

☐ Yes ☒ No

If yes, describe.

Section 6: Waste Oils, Chemicals, Liquid Wastes, Solid Wastes

6.1 Was any evidence observed of waste oils or liquid industrial wastes?

☐ Yes ☒ No

If yes, describe locations of waste oil tanks or drums, and any evidence of spills or leaks.

6.2 Was any evidence observed of oil-water separators, sumps, and/or floor drains at the Site?

☒ Yes ☐ No

If yes, describe location, suspected source of incoming liquid, and effluent discharge location.

Pit/catch basin within Maintenance building

6.3 Was any evidence observed of chemicals, solvents, unidentified substances, or hazardous materials (e.g. mercury or nuclear gauges) stored or used at the Site, including washbasins?

☐ Yes ☒ No

If yes, provide an inventory of substances, obtain copies of Safety Data Sheets (SDS) where available, and describe usage and storage practices.

6.4 Was any evidence observed of the following solid waste storage practices?

Refuse dumpsters/bins	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Recycling dumpsters/bins	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Drums	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Waste piles	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Illegal dumping	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Surface impoundment	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Scrap metals	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Batteries (non-household type)	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Other	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

If yes to any of the above, describe storage practices and locations on the Site.

Drum was observed south of the former residential dwelling
 A pond was observed northeast of Research Building
 Batteries within Maintenance Building



- 6.5 Was any evidence observed of past placement of solid waste or soil (fill, gravel, topsoil, etc.) including stockpiles?

☒ Yes ☐ No

If yes, describe suspected purpose (e.g., grading, filling low areas, berms, etc.).

Possibly under gravel roads

Section 7: Spills

- 7.1 Was any evidence observed of spills (e.g., chemical, oil), discharges of contaminants at the Site, or run-off from adjacent properties, including staining, stressed vegetation, etc.?

☐ Yes ☒ No

If yes, describe.

Section 8: Environmental Compliance

- 8.1 Was any evidence observed of contaminant discharges from the Site to the natural environment (e.g., stack emissions, fugitive air emissions)?

☐ Yes ☒ No

If yes, describe emissions contaminants, type, and operations.

- 8.2 Was any evidence observed of existing wells on the Site (e.g., water supply wells, monitoring wells, gas wells)?

☒ Yes ☐ No

If yes, describe, including reference to available online well records.

Supply well north of Research Building
Monitoring wells throughout



Section 9: Study Area

- 9.1 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the north of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

River, industrial / Commercial

- 9.2 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the east of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

Stone road, residential / Commercial

- 9.3 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the south of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

Victorial, woodlot

- 9.4 Who is/are the current occupant(s)/tenant(s) of the adjacent property to the west of the Site?
Provide a brief description of operations and housekeeping observed during the inspection.

River, Industrial, Commercial, residential

- 9.5 Was any evidence observed of water bodies, wetlands, or potential environmentally sensitive areas within 30 metres of the Site?

☒ Yes ☐ No

If yes, describe.

River ?



Section 10: Additional Information

10.1 Were there any limitations to the inspection (e.g., snow cover, inaccessible areas, inaccessible roof, locked rooms, etc.)?

☐ Yes ☒ No ☐ Unknown

If yes, describe.

10.2 Do you have any additional comments pertaining to the Site (environmental, operations, historical information)?

☐ Yes ☒ No

If yes, describe.

Signature of MTE Representative:

A handwritten signature in blue ink, appearing to be "E. H. L.", is written over a horizontal line.

Appendix F

Photographic Log



Photograph No. 1 – View of the Frost Centre Building looking north.



Photograph No. 2 – View of air conditioning units on the east side of the Frost Centre Building.



Photograph No. 3 – View of water supply well located north of the Frost Centre Building.



Photograph No. 4 – View of vent pipes located north of the Frost Centre Building.



Photograph No. 5 – View of the Maintenance Workshop, facing southeast.



Photograph No. 6 – View of the catch basin in Maintenance Workshop.



Photograph No. 7 – View of the Pump House Building, facing north.



Photograph No. 8 – View of the pumps within the Pump House Building.



Photograph No. 9 – View of the property located to the east of the Site.

Appendix G

Potentially Contaminating Activities

Potentially Contaminating Activities (PCAs)

1. Acid and Alkali Manufacturing, Processing and Bulk Storage
2. Adhesives and Resins Manufacturing, Processing and Bulk Storage
3. Airstrips and Hangars Operation
4. Antifreeze and De-icing Manufacturing and Bulk Storage
5. Asphalt and Bitumen Manufacturing
6. Battery Manufacturing, Recycling and Bulk Storage
7. Boat Manufacturing
8. Chemical Manufacturing, Processing and Bulk Storage
9. Coal Gasification
10. Commercial Autobody Shops
11. Commercial Trucking and Container Terminals
12. Concrete, Cement and Lime Manufacturing
13. Cosmetics Manufacturing, Processing and Bulk Storage
14. Crude Oil Refining, Processing and Bulk Storage
15. Discharge of Brine related to oil and gas production
16. Drum and Barrel and Tank Reconditioning and Recycling
17. Dye Manufacturing, Processing and Bulk Storage
18. Electricity Generation, Transformation and Power Stations
19. Electronic and Computer Equipment Manufacturing
20. Explosives and Ammunition Manufacturing, Production and Bulk Storage
21. Explosives and Firing Range
22. Fertilizer Manufacturing, Processing and Bulk Storage
23. Fire Retardant Manufacturing, Processing and Bulk Storage
24. Fire Training
25. Flocculants Manufacturing, Processing and Bulk Storage
26. Foam and Expanded Foam Manufacturing and Processing
27. Garages and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles
28. Gasoline and Associated Products Storage in Fixed Tanks
29. Glass Manufacturing
30. Importation of Fill Material of Unknown Quality
31. Ink Manufacturing, Processing and Bulk Storage
32. Iron and Steel Manufacturing and Processing
33. Metal Treatment, Coating, Plating and Finishing
34. Metal Fabrication
35. Mining, Smelting and Refining; Ore Processing; Tailings Storage
36. Oil Production
37. Operation of Dry Cleaning Equipment (where chemicals are used)
38. Ordnance Use
39. Paints Manufacturing, Processing and Bulk Storage
40. Pesticides (including Herbicides, Fungicides and Anti-Fouling Agents) Manufacturing, Processing, Bulk Storage and Large-scale Applications
41. Petroleum-derived Gas Refining, Manufacturing, Processing and Bulk Storage
42. Pharmaceutical Manufacturing and Processing
43. Plastics (including Fibreglass) Manufacturing and Processing
44. Port Activities, including Operation and Maintenance of Wharves and Docks
45. Pulp, Paper and Paperboard Manufacturing and Processing
46. Rail Yards, Tracks and Spurs
47. Rubber Manufacturing and Processing
48. Salt Manufacturing, Processing and Bulk Storage
49. Salvage Yard, including automobile wrecking
50. Soap and Detergent Manufacturing, Processing and Bulk Storage
51. Solvent Manufacturing, Processing and Bulk Storage
52. Storage, maintenance, fuelling and repair of equipment, vehicles, and material used to maintain transportation systems
53. Tannery
54. Textile Manufacturing and Processing
55. Transformer Manufacturing, Processing and Use
56. Treatment of Sewage equal to or greater than 10,000 litres per day
57. Vehicles and Associated Parts Manufacturing
58. Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners
59. Wood Treating and Preservative Facility and Bulk Storage of Treated and Preserved Wood Products

(Reference: Table 2, Schedule D, Ontario Regulation 153/04)

Appendix H

Current and Past Uses Table

"Table of current and past uses of the phase one property"
(Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)

558 Stone Road East, Guelph, ON				
Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc.
Dated before 1854	Canada Company	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title.
1854 - 1860	William Allan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title.
1860 - 1861	David Allan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title.
1861 - 1864	James McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title.
1864 - 1900	James McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title.
1900 - 1900	Bernard McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title.
1900 - 1910	Arthur McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title.
1910 - 1956	His Majesty the King – Represented by The Minister of Public Works for the Province of Ontario	Agriculture, Residential	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title. Land use determined through historical reports and an aerial photo from 1930 where the property was developed with multiple buildings / dwellings and the surrounding lands were used for agriculture purposes.
1956 - 2001	His Majesty the King – Represented by The Minister of Public Works for the Province of Ontario	Institutional	Institutional Use	<ul style="list-style-type: none"> Ownership determined through chain-of-title. Land use determined through historical reports and aerial photos from 1930 to 1990 where the property was occupied by Ontario Ministry of Correctional Services and was developed with multiple buildings and used as a correctional facility/medium security jail.
2001 - 2021	His Majesty the King – Represented by The Minister of Public Works for the Province of Ontario	Vacant, Agriculture	Agriculture or other use	<ul style="list-style-type: none"> Ownership determined through chain-of-title. Land use determined through historical reports and aerial photos from 2010 to 2021 where the former detention buildings were unoccupied / vacant, then later demolished / removed, and the surrounding lands were used for agriculture purposes.

558 Stone Road East, Guelph, ON				
Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc.
2021 – Present	1000027909 Ontario Ltd.	Vacant, Agriculture	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title. • Land use determined through an aerial photo from 2021 where the property is vacant in the vicinity of the former detention centre compounds area and surrounding lands were developed for agricultural purposes. • Based on the Site visit and through an interview it was determined that Fusion Homes (1000027909 Ontario Ltd.) is the current property owner the Site.

Notes: 1 - for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:

Agriculture or other use
 Commercial use
 Community use
 Industrial use
 Institutional use
 Parkland use
 Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

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328 Victoria Road South, Guelph, ON

Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc.
Dated before 1848	Canada Company	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1848 - 1848	William Millan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1848 - 1854	Arnold Sanders	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1854 – 1854	Canada Company	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1854 - 1860	William Allen	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1860 - 1861	David Allen	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1861 - 1864	James McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1864 - 1874	James McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1874 - 1900	Patrick McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1900 - 1900	Bernard McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1900 - 1903	Arthur McQuillan	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1903 - 1910	Michael Walsh	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1910 - 1910	His Majesty the King – Represented by The Minister of Public Works for the Province of Ontario	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1910 - 1910	His Majesty the King – Represented by The Minister of Public Works for the Province of Ontario	Vacant or undeveloped	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title.
1910 - 1995	His Majesty the King – Represented by The Minister of Public Works for the Province of Ontario	Agriculture, Residential	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title. • Land use determined through historical reports and aerial photos from 1930 to 1990 where the property was developed with multiple buildings / dwellings and was mainly used for agriculture purposes.

328 Victoria Road South, Guelph, ON				
Year	Name of owner	Description of property use	Property use	Other observations from aerial photographs, fire insurance plans, etc.
1995 - 2007	His Majesty the King – Represented by The Minister of Public Works for the Province of Ontario	Institutional, Agriculture	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title. • Land use determined through historical reports where the property was developed with multiple buildings (office/lab, workshop, pump house), and an irrigation pond and the surrounding was used for research and agriculture purposes.
2007 - 2021	Agricultural Research Institute of Ontario	Institutional, Agriculture	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title. • Land use determined through historical reports and aerial photos from 2010 and 2021 where the property was developed with multiple buildings (office/lab, workshop, pump house) and an irrigation pond and the surrounding was used for research and agriculture purposes.
2021 – Present	1000027909 Ontario Ltd.	Vacant, Agriculture	Agriculture or other use	<ul style="list-style-type: none"> • Ownership determined through chain-of-title. • Land use determined through historical reports and an aerial photo from 2021 where the property is buildings are mainly vacant / unoccupied and surrounding lands were used for agricultural purposes. • Based on the Site visit and through an interview it was determined that Fusion Homes (1000027909 Ontario Ltd.) is the current property owner the Site, and the former lab/office building is currently used by a police department for training purposes on weekends.

Notes: 1 - for each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:

- Agriculture or other use
- Commercial use
- Community use
- Industrial use
- Institutional use
- Parkland use
- Residential use

2 - when submitting a record of site condition for filing, a copy of this table must be attached

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Appendix I

Areas of Potential Environmental Concern

"Table of areas of potential environmental concern" (Refer to clause 16(2)(a), Schedule D, O. Reg. 153/04)

Area of potential environmental concern ¹	Location of area of potential environmental concern on phase one property	Potentially contaminating activity ²	Location of PCA (on-site or off-site)	Contaminants of potential concern ³	Media potentially Impacted (Ground water, soil and/or sediment)
APEC 1 - Historical Application of Pesticides (Agricultural/ Agroforestry/Turf Lands)	Current and Historical Agricultural, Agroforestry, and Research Turf Lands	40. Pesticides Manufacturing, Processing, Bulk Storage, and Large-Scale Applications	On-Site	Metals, As, Sb, Se, OCPs	Soil
APEC 2 - Historical On-Site Groundwater Impacts (Agricultural/ Agroforestry/Orchard Lands)	Current and Historical Agricultural, Agroforestry, and Apple Orchard Lands	Other - Historical On-Site Groundwater Impacts	On-Site	Metals, As, Sb, Se, PAHs	Groundwater
APEC 3 - Historical Application of Pesticides (Apple Orchard)	Former Apple Orchard Area	40. Pesticides Manufacturing, Processing, Bulk Storage, and Large-Scale Applications	On-Site	Metals, As, Sb, Se, OCPs	Soil
APEC 4 - Fill Material of Unknown Quality (Former Detention Area/Surrounding Land)	Former Detention Centre Compound Area / Surrounding Lands	30. Importation of Sill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, OCPs, PHCs, VOCs, PAHs	Soil
APEC 5 - Historical On-Site Groundwater Impacts (Former Detention Area)	Former Detention Centre Compound Area	Other - Historical On-Site Groundwater Impacts	On-Site	Metals, As, Sb, Se, OCPs, PHCs, BTEX, PAHs	Groundwater
APEC 6 - Former USTs (A & B) within the Former Detention Center Compound Area	Former Detention Centre Compound Area	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater
APEC 7 - Former UST (C) within the Former Detention Center Compound Area	Former Detention Centre Compound Area	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater
APEC 8 - Historical On-Site Soil Impacts (Northwest Corner of Site)	Northwest Corner of Site (proximity of BH14-17 and TP4-17)	Other - Historical On-Site Soil Impacts	On-Site	Metals	Soil
APEC 9 - Fill Material of Unknown Quality (Former Turf Lands)	Former Putting Greens / Research Turf Ranges	30. Importation of Fill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, PHCs, BTEX, PAHs	Soil

Area of potential environmental concern ¹	Location of area of potential environmental concern on phase one property	Potentially contaminating activity ²	Location of PCA (on-site or off-site)	Contaminants of potential concern ³	Media potentially Impacted (Ground water, soil and/or sediment)
APEC 10 – Application of Dust Control Products	Historical and Current Site Gravel Laneways	Other – Application of Road Dust Control Products	On-Site	PHC, BTEX	Soil
APEC 11 – Application of Road De-icing Salt	Historical and Current Site Gravel Laneways	Other – Application of Road De-icing Salt	On-Site	EC, SAR	Soil
APEC 12 – Former ASTs A & B (Maintenance Workshop)	Former ASTs (A & B) North of Maintenance Workshop	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater
APEC 13 – Former ASTs C & D (Maintenance Workshop)	Former ASTs (C & D) East of Maintenance Workshop	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater
APEC 14 - Historical Wastewater Collection/Storage/Discharge (Workshop Catch Basin)	Catch Basin in Maintenance Workshop and Surrounding Area	Other - Historical Collection, Storage, Transmission and Discharge of Wastewater Associated with the Catch Basin Located in the Maintenance Workshop	On-Site	Metals, As, Sb, Se, PHCs, VOCs, PAHs, SVOCs, PCBs, EC, SAR, pH	Soil and Groundwater
APEC 15 - Historical Lab Wastewater Collection/Storage/Discharge (Frost Building Septic System)	Footprint Area of Septic System for the Frost Centre Building	Other - Historical Collection, Storage, Transmission and Discharge of Laboratory Related Wastewater	On-Site	Metals, As, Sb, Se, OCPs, PHCs, VOCs	Soil and Groundwater
APEC 16 - Historical Operation of Toxicology Research Area	Environmental Toxicology Research Area	Other - Historical Operation of Environmental Toxicology Research Area	On-Site	Metals, As, Sb, Se, OCPs, PHCs, VOCs, PAHs	Soil and Groundwater
APEC 17 - Historical Wastewater Collection/Storage (Irrigation Pond)	Site Irrigation Pond/Lagoon	Other – Collection and Storage of Wastewater Discharge	On-Site	Metals, As, Sb, Se, OCPs	Sediment
APEC 18 - Potential Dumping Area (Northwest Portion of Site)	Unidentified Landforms in Northwest Portion of Site	Other - Potential Illegal Dumping Area	On-Site	Metals, As, Sb, Se, PHCs, VOCs, PAHs	Soil
APEC 19 - Potential Importation of Fill (Former Building A)	Former Inferred Residential Dwelling - Building (A)	30. Importation of Fill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, PHCs, BTEX, PAHs	Soil

Area of potential environmental concern ¹	Location of area of potential environmental concern on phase one property	Potentially contaminating activity²	Location of PCA (on-site or off-site)	Contaminants of potential concern ³	Media potentially Impacted (Ground water, soil and/or sediment)
APEC 20 - Potential Former AST (Former Building A)	Former Inferred Residential Dwelling - Building (A)	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater
APEC 21 - Potential Importation of Fill (Former Building B)	Former Inferred Residential Dwelling - Building (B)	30. Importation of Fill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, PHCs, BTEX, PAHs	Soil
APEC 22 - Potential Former AST (Former Building B)	Former Inferred Residential Dwelling - Building (B)	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater
APEC 23 - Potential Importation of Fill (Former Building C)	Former Inferred Residential Dwelling - Building (C)	30. Importation of Fill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, PHCs, BTEX, PAHs	Soil
APEC 24 - Potential Former AST (Former Building C)	Former Inferred Residential Dwelling - Building (C)	28. Gasoline and Associated Products Storage in Fixed Tanks	On-Site	PHCs, BTEX	Soil and Groundwater
APEC 25 - Potential Importation of Fill (Former Building D)	Former Inferred Storage Building /Barn - Building (D)	30. Importation of Fill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, PHCs, BTEX, PAHs	Soil
APEC 26 - Potential Importation of Fill (Former Building E)	Former Inferred Storage Building /Shed - Building (E)	30. Importation of Fill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, PHCs, BTEX, PAHs	Soil
APEC 27 - Potential Importation of Fill (Former Building F)	Former Inferred Storage Building /Shed - Building (F)	30. Importation of Fill Material of Unknown Quality	On-Site	Metals, As, Sb, Se, PHCs, BTEX, PAHs	Soil
APEC 28 - Rail Line Corridor	North portion of the Phase One Property	46. Rail Yards, Tracks and Spurs	Off-Site	Metals, As, Sb, Se, OCPs	Soil

Notes:

- 1 - Areas of potential environmental concern means the area on, in or under a phase one property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through,
 - (a) identification of past or present uses on, in or under the phase one property, and
 - (b) identification of potentially contaminating activity.
- 2 - Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a phase one study area
- 3 - When completing this column, identify all contaminants of potential concern using the Method Groups as identified in the Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011, as specified below:

List of Method Groups:

ABNs	PCBs	Metals	Electrical Conductivity
CPs	PAHs	As, Sb, Se	Cr (VI)
1,4-Dioxane	THMs	Na	Hg
Dioxins/Furans, PCDDs/PCDFs	VOCs	B-HWS	Methyl Mercury
OCPs	BTEX	Cl-	Low or high pH,
PHCs	Ca, Mg	CN-	SAR

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Appendix J

Phase One Conceptual Site Model



Phase One Conceptual Site Model

328 Victoria Road South and 588 Stone Road East, Guelph, ON

A Phase One Conceptual Site Model (CSM) was prepared in accordance with Schedule D, Part V of O. Reg. 153/04 (as amended). The Phase One Conceptual Site Model consists of this text and the following figures:

- Figure 1: Site Location Map and Study Area
- Figure 2: Site Layout and Features
- Figure 3: On-Site Potentially Contaminating Activities
- Figure 4: Off-Site Potentially Contaminating Activities
- Figure 5: Historical Soil and Groundwater Sample Locations
- Figure 6: Areas of Potential Environmental Concern

This Phase One CSM addresses the two contiguous properties located at 328 Victoria Road South and 588 Stone Road East in Guelph, Ontario (the “Phase One Property” or “Site”). Refer to **Figure 1** for the Site Location Map and Study Area. For the purpose of this Phase One ESA, spatial references in this report are compared to “Project North”, which runs parallel to Stone Road East.

The Site is approximately 118.09 hectares in area and is comprised of an irregular-shaped parcel of land located in a mixed-land use area of Guelph (commonly referred to as the Guelph Innovation District or GID Lands). The Site is comprised of two legal properties, 1) the “Former Wellington Detention Centre Lands” (Detention Lands) and, 2) the “Former Turfgrass Institute Lands” (Turfgrass Lands) located at 588 Stone Road East and 328 Victoria Road South, respectively, as illustrated on **Figure 1**.

Existing Buildings and Structures

The Phase One Property is developed with three buildings (Frost Centre Building, Maintenance Workshop and Pump House Building) located in the west central portion of the Site.

Water Bodies

The Eramosa River is located to the west and north of the Phase One Property.

Areas of Natural Significance

Portions of the Phase One Property may be considered “Environmentally Sensitive Areas” since lands are located on and/or within 30 m of an “Area of Natural Significance”, as defined in Ontario Regulation 153/04 (as amended).

For additional and updated information in regards to Areas of Natural Significance, refer to the on-going Environmental Impact Study (EIS) being completed for the Site by NRSl.

Drinking Water Wells

Based on a review of the MECP online well records database, MTE identified 28 well records for the Phase One Property, which included six abandonment records. A private drinking water well was located by MTE in good condition adjacent to the north of the Frost Centre Building; another water supply well, reportedly located in the northwest portion of the property, could not be located by MTE. The remaining active wells on the Phase One Property were observation wells reportedly used for environmental assessment and research purposes.



Roads Within the Phase One Study Area

Gravel driveways/access roads are located throughout the Site. Refer to **Figure 1** for the locations of the driveways/access roads located on the Site.

Refer to **Figure 1** for the location of the roads within the Phase One Study Area.

Uses of Properties Adjacent to the Site

The following is a summary of properties adjacent to the Phase One Property:

Direction	Description
North	A railway corridor is located immediately to the north followed by undeveloped (Conservation Lands) and the Eramosa River. Further to the north is an industrial property currently operating as a meat processing plant.
East	Stone Road East is located immediately to the east, followed an industrial property operating as an excavation and trucking company.
South	Victoria Road South is located immediately to the south followed by an institutional property operated by the University of Guelph known as the Arboretum. A golf course and disk golf course are also operated on this property.
West	The Eramosa River is located immediately to the west followed by an industrial property operating as a chemical processing facility, a railway corridor, and undeveloped land.

Potentially Contaminating Activities

Based on the information obtained and reviewed as part of this Phase One ESA, current and historical PCAs associated with the Site and surrounding properties were identified. The on-Site PCA locations are illustrated on **Figure 3** and the off-Site PCA locations are illustrated on **Figure 4**. A list of PCAs prescribed in Ontario Regulation 153/04 is provided in **Appendix G**.

The PCAs identified on the Site and in the Study Area are summarized in **Table 2**.

Areas of Potential Environmental Concern Contaminants of Potential Concern

The PCAs identified on the Phase One Property were considered to result in an APEC. The PCAs in the Phase One Study Area were assessed based on details of the PCA, Site reconnaissance observations, the distance and location with respect to the Phase One Property and the inferred groundwater flow direction. One off-Site PCA was considered to result in an APEC.

The APECs on the Phase One Property are shown on **Figure 6** and summarized in the APEC Table in **Appendix I**. Refer to the APEC Table in **Appendix I** for a list of the Contaminants of Potential Concern (COPCs) associated with each APEC and media.

Underground Utilities

The Site is serviced with potable water from a private well located north of the Frost Centre Building, sewage on the Site is managed through a septic system located to the south. An electrical transformer is located northeast of the Frost Building. Electricity, telecommunication and natural gas services are provided through an underground connection.



Regional and Site Specific Geological and Hydrogeological Information

The Phase One Property is located within the broad physiographic region known as the Guelph Drumlin Field, which occupies approximately 829 km², including parts of the Regional Municipalities of Waterloo and Halton and parts of the City of Hamilton and Wellington County. The dominant soil materials include the stony till of the drumlins and deep gravel terraces in the intervening areas. The area is underlain by dolostone of the Guelph and Amabel Formations, which dip gently toward the southwest (*Chapman and Putnam, 1984*).

Soil conditions on the Phase One Property identified in previous environmental investigations can be summarized as topsoil/fill material, underlain by silty sand and sandy silt sand and gravel layers, followed by a native silt till formation and finally bedrock. Visible bedrock outcrops were observed within the conservation lands. The bedrock was historically encountered in boreholes at depths in the range of 1.4 to 11.1 metres below groundwater surface (mbgs). The shallow groundwater table was historically encountered between approximately 1 and 12 mbgs.

For additional and updated information in regards to the topographic, geologic and hydrogeologic setting of the Phase One Property, refer to the ongoing geotechnical and hydrogeological investigations being completed for the Site by MTE.

Uncertainty or Absence of Information

MTE has not received Freedom of Information (FOI) records from the MECP regarding the Phase One Property.

There is no other uncertainty or absence of information obtained in each of the components of the Phase One ESA that could affect the results of the Phase One ESA.

JGH:smk

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