

220 Arkell Road, Guelph Final Phase I Environmental Site Assessment

May 28, 2019

Prepared for:

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Project Number: 161423338

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Executive Summary

Site Description and Current Operations

Stantec Consulting Ltd. (Stantec) conducted a Phase I Environmental Site Assessment (Phase I ESA) of the property at 220 Arkell Road in Guelph, Ontario, herein referred to as the "Site". The Phase I ESA was conducted for Rockpoint Holdings Inc., herein referred to as the "Client", to support development. The purpose of the Phase I ESA was to assess if evidence of potential or actual environmental contamination exists in connection with the Site, as a result of current or past activities on the Site or neighboring properties.

The Site is located at 220 Arkell Road, northeast of the intersection of Amos Road and Arkell Road in Guelph, Ontario. At the time of the site visit, the Site was occupied by a two-story residential building with a pool, a detached garage/shed and a greenhouse building. The Site was bounded by a former golf course under construction to the north; residential properties to the south; agricultural land to the east; and a woodland property to the west.

Records Review

Based on the historical information gathered during the Phase I ESA, the Site was undeveloped, wooded and/or agricultural prior to 1990 with a horse barn and several small structures. The Site was developed for residential use in early 1990s.

The northern adjacent property was occupied by a golf course since the 1970s. Residential subdivisions situated south of the Site were constructed in mid 2000s and mid-2010s. The eastern adjacent agricultural land and the western adjacent woodland remained unchanged since at least 1954. Activities on the neighboring and adjacent properties were not considered to represent a potential environmental concern to the Site.

Site Visit/Interviews

An initial site visit was conducted on September 23, 2016 and a supplemental site visit was conducted on December 13, 2018. The following potential environmental concerns were noted:

 It was reported that fill material of unknown environmental quality was used to infill a former pond located on the Site.

The presence of fill material was considered to represent a potential environmental concern to the Site. No other potential environmental concerns were identified during the site visit or through interviews with persons associated with the Site.

Conclusions

The Phase I ESA has revealed evidence of potential environmental contamination associated with the Site. The following environmental concern was identified:

• Historical use of fill material of unknown environmental quality to infill a former pond on the Site.

Stantec recommended the completion of a soil characterization program to confirm the environmental quality of soil in this area. A report summarizing the findings will be reported under separate cover.

Based on the unknown age of the detached garage/shed building, asbestos, polychlorinated biphenyls and lead containing materials may be present. A hazardous materials survey should be completed prior to any demolition activities.

The statements made in this Executive Summary are subject to the same limitations included in the Closure (Section 7.0) and are to be read in conjunction with the remainder of this report.

Introduction 5/28/2019

1.0 INTRODUCTION

1.1 **OBJECTIVES**

Stantec Consulting Ltd. (Stantec) conducted a Phase I Environmental Site Assessment (Phase I ESA) of the property at 220 Arkell Road in Guelph, Ontario, herein referred to as the "Site". The Phase I ESA was conducted for Rockpoint Holdings Inc., herein referred to as the "Client", to support development. The purpose of the Phase I ESA was to assess if evidence of potential or actual environmental contamination exists in connection with the Site, as a result of current or past activities on the Site or neighboring properties.

A site plan is included in **Appendix A** and selected photographs of the Site are included in **Appendix B**.

1.2 SCOPE OF WORK

The Phase I ESA carried out by Stantec on this property was conducted in general accordance with the Canadian Standards Association's (CSA) Phase I Environmental Site Assessment Standard Z768-01 (R2016) and consisted of the following:

- Records review including, but not limited to, aerial photographs, Fire Insurance Plans (if available), geological and topographic maps
- Purchase of a database report from Environmental Risk Information Services (ERIS) that consisted of a search of available databases within a 250 m radius of the boundaries of the Site
- Request to Ontario Ministry of the Environment, Conservation and Parks (MECP) for documents related to various environmental concerns associated with the Site (e.g., spills, incident reports, etc.)
- Review of available environmental databases and records
- Request to OPTA Information Intelligence Inc. OPTA) for fire insurance plans and/or property underwriters' reports/plans available for the Site
- Request to the Technical Standards and Safety Authority (TSSA) for records related to fuel storage tanks, spills, and contamination records for the Site
- Review of available previous environmental reports completed for the Site
- Interview with an individual associated with the Site
- Site visit
- Evaluation of information and preparation of the report provided herein

A Phase I ESA does not include sampling or testing of air, soil, groundwater, surface water or building materials. For this Phase I ESA, no enhancements to the CSA standard were made. This assessment did not include a review or audit of operational environmental compliance issues, or of any environmental management systems,



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which may exist for the Site. The assessment of the Site for the potential presence of hazardous building materials was based on the age of the building and components, and a non-intrusive visual review of the Site. No sampling of materials was conducted. A Phase I ESA does not constitute a Hazardous Materials Survey or Designated Substances Survey.

The assessment of the Site for microbial contamination and moisture damage was made during the walk through of the building. This assessment was visual only and not every area was assessed. No sampling or intrusive investigation was conducted.

An initial site visit was conducted by Ms. Erika Ryter, M.A.Sc., P.Eng. of Stantec on September 23, 2016. A supplemental site visit was conducted by Mr. Aseel Kaiser, M.Sc., C.E.T., EP of Stantec on December 13, 2018 and the residential building and the green house were not accessed during this site visit. The Site and readily visible and publicly accessible portions of adjoining and neighbouring properties were observed for the presence of potential sources of environmental contamination. The site was snow-covered during the December 2018 site visit. During the site visits, Stantec was accompanied by Mr. Tom Anderson, former property owner and Mr. Bob Stan, current tenant, in 2016 and 2018, respectively. An interview was carried out during the course of the site visits to obtain or confirm information on the current and former operations at the Site. Mr. Anderson had been associated with the Site since the early 1990s and Mr. Stan had been associated with the Site since early 2018.

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

1.3 REGULATORY FRAMEWORKS

CSA Standard Z768-01 (R2016) establishes principles and practices that are applicable to a Phase I ESA. The purpose of a Phase I ESA is to identify actual and potential site contamination. Such identification involves the evaluation and reporting of existing information collected through records review, site visits, and interviews. Phase I ESAs may assist in reducing uncertainty about potential environmental liabilities and may be a basis for further investigation of a property. Phase I ESAs may be used to make informed decisions about property transactions, to identify certain baseline environmental conditions, to assist in meeting regulatory requirements, and as an initial step in site remediation. This Phase I ESA, however, was not completed for the purposes of meeting the Record of Site Condition (RSC) requirements described in Ontario Regulation 153/04, as amended.

Because a Phase I ESA does not include such tasks as sample gathering, laboratory testing, or intrusive investigations, a Phase I ESA report can, in most cases, only describe the potential of contamination being present or absent at a property. If there are previous soil or groundwater sample results available, the data can be compared to applicable Federal and/or Provincial numerical standards for soil and groundwater quality for specific land and groundwater uses. A Phase I ESA performed in accordance with the requirements of CSA Standard Z768-01 (R2016) is intended to reduce, but not necessarily eliminate, uncertainty regarding the potential for contamination of a property.

In addition, a Phase I ESA in accordance with the requirements of CSA Standard Z768-01 (R2016) involves a review of any site buildings for the potential presence of hazardous materials related to building components and materials. Specific Federal and/or Provincial regulations, guidelines or codes of practice exist for the individual hazardous materials. Where required, this documentation was used to determine appropriate conclusions and formulate appropriate recommendations.



Records Review 5/28/2019

2.0 RECORDS REVIEW

2.1 INFORMATION SOURCES

The applicable search distance for the records review included the Site, properties immediately adjoining the Site and other neighbouring properties where activities considered to be potential sources of environmental contamination were apparent. Information sources obtained and reviewed as part of the records review are listed below:

SOURCE	INFORMATION/CONTACT
Aerial Photographs	1954, 1969, 1971, 1975 and 1990 - ERIS, 2006, 2009, 2013, 2016 and 2017 - Google Earth Imagery
Fire Insurance Plans	OPTA - No Fire Insurance Plans were found for the Site and the study area
City Directories	City directories searches were not completed due to other available data, property type and property location.
Previous Environmental Reports	No previous environmental reports were provided
	No company records were provided to Stantec for review.
Geological and Geotechnical Reports	Geotechnical Investigation, 220 Arkell Road Guelph ON, prepared by Stantec dated May 2019
	Hydrogeological Assessment, 220 Arkell Road Guelph ON, prepared by Stantec dated May 2019
Regulatory Infractions	A request submitted to the MECP's Freedom of Information and Protection of Privacy Office included a search for occurrence reports and general information from the District Office, investigation documents from the Investigations and Enforcement Branch, and orders from the Sector Compliance Branch pertaining to the municipal address of the Site and current/former tenants and owners of the Site.

Reportable Spill Occurrences

ERIS - Ontario Spills



Records Review 5/28/2019

Contaminated Sites	"Inventory of Coal Gasification Plant Waste Sites in Ontario" (April 1987)
	"Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario" (November 1988)
	Ecolog ERIS - MECP Brownfields Environmental Site Registry
Hazardous Waste Generator Registration	ERIS - Ontario Regulation 347 Waste Generators Summary
	ERIS - MECP Hazardous Waste Information Network (HWIN) Registered Generator List
PCB Storage Sites	ERIS - Ontario Inventory of PCB Storage Sites, National PCB Inventory
Landfill Records	"Waste Disposal Site Inventory" (MOE, June 1991)
Underground & Aboveground Storage Tanks	ERIS (various databases)
Other Available Information	Ontario Geological Survey 2010. Surficial Geology of Southern Ontario, Data 128-REV, Scale 1:50,000
	Ontario Geological Survey 2011. Bedrock Geology of Ontario; Data 126-Revision 1, Scale 1:250,000
	Topographic mapping available from the Ontario Ministry of Natural Resources and Forestry online mapping obtained September 04, 2018.
Water Well Records	ERIS - Water Well Information System
Environmental Risk Information Services (ERIS)	A database report was purchased from ERIS on September 10, 2018 that consisted of a search of available databases within a 250 m radius of the boundaries of the Site.

2.2 **PREVIOUS REPORTS**

No previous environmental reports were provided to Stantec for review.



Records Review 5/28/2019

2.3 **REGULATORY INFORMATION**

Available environmental databases and records were searched to determine if the Site, adjacent and/or neighbouring properties were listed. The relevant information relating to potential environmental concerns at the Site are presented below. Supporting documentation is included in **Appendix D**.

MECP Freedom of Information and Privacy Protection Office

A request submitted to the MECP's Freedom of Information and Protection of Privacy Office included a search for occurrence reports and general information from the District Office, investigation documents from the Investigations and Enforcement Branch, waste generator information from the Environmental Monitoring and Reporting Branch, Certificates of Approval from the Environmental Assessment and Approvals Branch, and orders from the Sector Compliance Branch pertaining to the municipal address of the Site and current/former tenants and owners of the Site.

A response from the MECP indicated that no records were found for the Site. A copy of the MECP response is provided in **Appendix D**.

Technical Standards and Safety Authority

A request to the TSSA included a search of outstanding instructions, incident reports, fuel oil spills, contamination records, retail facilities or licensed underground storage tanks was submitted pertaining to the Site. It should be noted, however, that the Fuels Safety Division of the TSSA did not register private fuel underground or aboveground storage tanks prior to January 1990, or fuel oil tanks prior to May 1, 2002. Further, private waste oil tanks in apartments, office buildings, residences, etc. and aboveground gas or diesel tanks are not registered with the TSSA.

No records were found for the Site in the TSSA database. A copy of the TSSA response is provided in **Appendix D**.

Inventory of Coal Gasification Plant Waste Sites in Ontario (dated April 1987)

No properties within 1 km of the Site were listed as former coal gasification plant waste properties.

Inventory of Industrial Sites Producing or Using Coal Tars in Ontario (dated November 1988)

No properties within 1 km of the Site were listed as former coal tar industrial properties.

MECP Waste Disposal Site Inventory (dated June 1991)

No properties within 250 m of the Site were listed as waste disposal sites in the databases searched by ERIS.

Stantec searched the MECP Waste Disposal Site Inventory for active and closed waste disposal sites within 1 km of the Site. No waste disposal sites were found to be located within 1 km of the Site.



Records Review 5/28/2019

HWIN Registered Generator List

The ERIS report indicated that the neighbouring property to the north was registered with the MECP for the generation of various hazardous wastes. These are discussed in Section 5.8, and the complete ERIS report is provided in **Appendix D**.

Ontario Inventory of PCB Storage Sites and National PCB Inventory

According to ERIS, a search of PCB storage site databases indicated that neither the Site nor adjacent and/or neighbouring properties were listed as a PCB Storage Site.

MECP Brownfields Environmental Site Registry

According to a search completed by ERIS, no RSCs under O.Reg. 153/04 (Part XV.1 of the Environmental Protection Act) were identified for the Site and two RSCs were identified for a neighboring property to the south within 250 m of the Site boundary. These are discussed in Section 5.8, and the complete ERIS report is provided in **Appendix D**.

<u>ERIS</u>

An ERIS report was purchased and consisted of a search of available databases within a 250 m radius of the Site property boundary. A complete copy of the report is included in **Appendix D**. Pertinent records pertaining to the adjoining/ neighboring properties are summarized in section 5.8. No pertinent records were identified for the Site.

- 220 Arkell Road (the Site)
 - No records were found in the ERIS report that represent a significant potential environmental concern to the Site. ERIS Historical Searches is the only listing found in the ERIS report for the Site

<u>OPTA</u>

Historical insurance inspection reports/plans, and Fire Insurance Plans were not found as part of the OPTA search.

2.4 PHYSICAL SETTING

2.4.1 Surficial Geology

Based on an available surficial geology map (Ontario Geological Survey Map 2556), the native surficial soils of the Site consist of Glaciofluvial deposits including river, delta and sandy deposits.

In April 2017, Stantec conducted a geotechnical investigation and advanced four boreholes to a maximum depth of approximately 8.2 m below ground surface (m BGS) at the Site as summarized in Stantec's 2019 Hydrogeological Assessment report. The subsurface conditions encountered in the boreholes generally consisted of topsoil and a veneer of sand, or fill, overlying glacial till. The glacial till generally comprised silty



Records Review 5/28/2019

sand and gravel till. Groundwater was perched in fill or sand deposits above the glacial till or contained in saturated seams within the glacial till. Bedrock was not encountered in the boreholes advanced at the Site for this investigation. The fill was identified in a borehole advanced in the location of the former pond. The presence of fill material of unknown environmental quality represents a potential environmental concern to the Site.

Several historical records for abandoned wells, boreholes and water wells in the vicinity of the Site were included in the ERIS report. The stratigraphy identified sand, gravel and silt overburden to a depth of up to approximately 40 m BGS

2.4.2 Surface Water Drainage

Other than the site buildings, the majority of the Site was generally covered by vegetated and grassy areas. Stormwater collected on the landscaped or grassy areas likely drains by infiltration and/or overland flow.

2.4.3 Topography and Regional Drainage

The Site was observed to be generally flat with a gentle slope upwards to the north, and generally at grade with the adjacent properties.

Based on observed topography and information accessed from the Ministry of Natural Resources and Forestry (MNRF) online mapping, the northern portion of the Site drainage (and anticipated shallow groundwater flow direction) appears to be to the north/northeast towards Torrance Creek, located approximately 400 m northeast of the Site.

According to Stantec's 2019 Hydrogeological Assessment report for the Site, groundwater flows horizontally through the subsurface overburden deposits to the south and southwest towards the wooded portion of the Site and the western adjacent woodland (Torrance Creek Swamp). Hence, the central and southern portion of the Site drainage appears to be to the south/southwest.

It should be noted that the direction of the shallow groundwater flow in limited areas can also be influenced by the presence of underground utility corridors and is not necessarily a reflection of regional or local groundwater flow or a replica of the Site or area topography.

2.4.4 Bedrock Geology

Based on an available bedrock geology map (Ontario Geological Survey Map 2544), bedrock in the area of the Site consists of Guelph Formation which includes sandstone, shale, dolostone and siltstone.

Bedrock was not encountered during the geotechnical investigation completed by Stantec to a maximum depth of 8.2 m BGS. According to the borehole information provided in the ERIS report, bedrock was encountered in the vicinity of the Site at depths between 10 m BGS to 40 m BGS.



Site Description 5/28/2019

3.0 SITE DESCRIPTION

3.1 PROPERTY INFORMATION

The Site is located at 220 Arkell Road northwest of the intersection of Amos Road and Arkell Road in Guelph, Ontario as shown on **Figure No. 1** in **Appendix A**.

At the time of the site visit, the Site was occupied by a two-story residential building and a detached garage/shed. The Site was bounded by a former golf course under construction to the north; residential properties to the south; agricultural land to the east; and a woodland property to the west.

A Parcel Register Search was obtained from Geowarehouse for the Site. Relevant information from the Parcel Register is outlined below:

Current Site Owner:	Rockpoint Properties Inc.
Legal Description:	Part South 1/2 of Rear Part of Lot 6, Concession 8, Township of Puslinch, as in R0662220; Guelph
Property Area:	Approximately 72,000 square metres
Utility Providers:	
Water:	City of Guelph
Storm and Sanitary Sewers:	Private Septic System
Electricity:	Guelph Hydro Electric Systems Inc.
Natural Gas:	Union Gas Limited

3.2 ONSITE BUILDINGS AND STRUCTURE

The site buildings consist of a two-storey, irregularly shaped residential building with a basement, as well as a detached garage/shed and a single-story greenhouse located south and west the residential building, respectively, as shown on Figure No. 1. The general exterior construction of the residential building was observed to be brick/stone masonry with shingles roofing and the general exterior construction of the garage/ shed building was observed to be metal siding.



Site Description 5/28/2019

3.3 HISTORICAL LAND USE

Historical land use for the Site was determined through a review of historical records listed in Section 3.0. A summary of the historical information is presented below.

Period/Date:	Land Use:
1954	Agricultural, Woodland and/or Undeveloped
	Based on the available aerial photographs, the Site appeared to be agricultural and woodland or undeveloped. No structures were observed on the Site.
1969	Agricultural, Woodland and/or Undeveloped
	A review of the 1969 aerial photograph indicated that a driveway was constructed on the Site. A structure was observed near the end of the driveway within the vicinity of the current greenhouse location.
1975	Agricultural/ Woodland
	Based on a review of the available aerial photograph, a structure was built within the vicinity of the current garage/shed building and is likely to be a portion of the current garage/shed building.
1990	Based on a review of the aerial photograph, earth work activities appear to take place in the vicinity of the current residential building.
	Due to the aerial photograph quality, it was unclear whether any bodies of water, such as ponds, existed at the Site.
2006, 2009, 2013, 2016 and 2017	The site buildings observed during the site visits are consistent in appearance and configurations as the buildings in these aerial photographs.
	No ponds or bodies of water were visible on the Site in these aerial photographs.



Site Visit Findings 5/28/2019

4.0 SITE VISIT FINDINGS

4.1 CURRENT SITE OPERATIONS

The Site is currently occupied by a residential building, greenhouse and a detached garage/shed building. At the time of the site visits, the Site was occupied for residential use. No potential environmental concerns were identified. The detached garage was used for vehicle and equipment storage as well as minor repairs to personal vehicles and equipment.

The current site use is not expected to represent an environmental concern to the Site.

4.2 WASTE GENERATION AND STORAGE

4.2.1 Solid and Liquid Wastes

No wastewater discharges other than domestic wastewater was identified to be produced on the Site at the time of the site visits.

No hazardous waste generation or storage was identified to be conducted on the Site.

4.2.2 Drains, Sumps, Septic Systems and Oil Water Separators

During the initial site visit, two sumps were observed in the basement of the residential building. The sumps appeared in good condition with no staining observed. The residential building was reportedly serviced with a septic system for domestic wastewater.

No other sumps, septic systems, separators or interceptors were identified at the Site.

4.2.3 Air Discharges and Odours

No sources of air emissions that are suspected to result in residual contamination to the property were identified on the Site. Further, no strong, pungent, or unusual odours were identified during the site visit.

4.3 FUEL AND CHEMICAL STORAGE

4.3.1 Underground Storage Tanks (USTs)

No chemical or fuel USTs were observed or reported to be present at the Site. Further, no vent or fill pipes indicating the potential presence of any unknown abandoned or decommissioned UST were observed on the Site.



Site Visit Findings 5/28/2019

4.3.2 Above Ground Storage Tanks (ASTs)

During the 2016 site visit, two propane ASTs were observed at the Site.

4.3.3 Other Storage Containers

Small quantities of commercially packaged cleaning chemicals, antifreeze coolants, brake fluids, and degreasers were observed to be stored in the garage/ shed building for minor repairs to personal vehicles during the 2018 site visit. A portable gasoline tank used for lawn mowers was stored near the garage/shed building during the 2016 site visit

4.4 BUILDING SYSTEMS/EQUIPMENT

4.4.1 Heating and Cooling Systems

Based on observations made during the site visit, the residential building is provided with heating via a propanefired furnace. Two air conditioning units were noted during the 2016 site visit.

4.4.2 Hydraulic Equipment

No hydraulic equipment was observed on the Site during the site visits.

4.5 EXTERIOR SITE OBSERVATIONS

4.5.1 Surface Features

The residential building is surrounded by asphalt pavement and landscaped areas including grass, low-lying vegetation and trees. A wooded area was observed west of the Site.

No stained surficial materials or stressed vegetation was observed on the Site. No watercourses, pits or lagoons were identified on the Site and no standing water was observed.

4.5.2 Fill Materials

A pond was historically located southwest of the residential building and was reportedly infilled with fill material of unknown environmental quality. The presence of fill material represents a potential environmental concern to the Site.

4.5.3 Wells

During the initial site visit, a water supply well was identified west of the residential building and was surrounded by a landscaped area. It was reported that the well depth was approximately 50 m BGS.



Site Visit Findings 5/28/2019

Four monitoring wells were installed at the Site in 2017 to support Stantec's hydrogeological assessment. Two of the wells were located near the eastern boundary of the Site; one well was located in the northwestern portion of the Site; and one well was located on the southern portion of the Site. No other abandoned or existing wells (water, oil, gas or disposal) were identified or reported on the Site.

Water wells were identified within 250 m of the Site, as detailed in the ERIS report in Appendix D.

4.6 HAZARDOUS BUILDING MATERIALS

4.6.1 Asbestos-Containing Materials (ACMs)

The common use of friable (crumbles easily by hand pressure) asbestos-containing materials (ACMs) in construction generally ceased voluntarily in the mid-1970s but was only banned through legislation in the mid-late 1980s. Asbestos was used in thousands of building products and the common uses of friable ACMs included boiler and pipe insulation, and spray-on fireproofing. Asbestos was also used in many manufactured products such as floor tiles, ceiling tiles, transite cement products and various other construction materials. Some cement drain piping currently used in the construction of buildings still contains asbestos (non-friable). Vermiculite used as insulation may be contaminated with asbestos fibres.

As of November 1, 2005, Ontario has introduced an asbestos regulation (Ontario Regulation 278/05 made under the Occupational Health and Safety Act) obligating owners to implement an Asbestos Management Program (AMP) at their facilities if friable or non-friable asbestos is known or suspected to be present. A component of the AMP requires the preparation of an asbestos record to identify locations of confirmed or suspected asbestos-containing materials (ACM). Based on these requirements, it is recommended that an assessment to identify the locations of known or suspected asbestos-containing materials (ACM). Based on these requirements, it is recommended that an assessment to identify the locations of known or suspected asbestos-containing materials be undertaken at the subject facility. Should friable or non-friable ACMs be identified or presumed to be present, an Asbestos Management Program should be implemented for the subject facility. Asbestos surveys of buildings (including additions) constructed prior to 1990 should include all suspected friable and non-friable building materials. Surveys of buildings (and additions) constructed in 1990 or later can be limited to cement-based non-friable materials and gasket materials. Asbestos surveys undertaken for the subject facility completed prior to November 1, 2005 should be reviewed and reassessed to determine if they meet the requirements of Ont. Reg. 278/05.

Based on the age of the residential building (built in the early 1990s), ACMs are not expected; however, depending on the age of the shed (possibly built in the mid-1970s) ACMs may be present.

4.6.2 Polychlorinated Biphenyls (PCBs)

From the 1930s to the 1970s, PCBs were widely used as coolants and lubricants for electrical equipment, including transformers and capacitors, and in a number of industrial materials, including sealing and caulking compounds, inks and paint additives. The use of PCBs was prohibited in heat transfer and electrical equipment installed after September 1, 1977, and in transformers and capacitors installed after July 1, 1980. Regulations now require that PCB containing equipment be taken out of service prior to regulated deadlines.



Site Visit Findings 5/28/2019

Based on the construction date of the residential building (early 1990s), PCB-containing electrical equipment is not expected to be present at the Site; however, depending on the age of the shed PCBs may be present.

4.6.3 Lead-Based Materials

In 1976, the lead content in interior paint was limited to 0.5% by weight under the federal *Hazardous Products Act*. Lead based water supply pipes were used greater than 50 years ago. Between 1930 and 1986, most buildings used copper pipe with lead-solder joints. Other lead-based products include wall shielding (x-ray rooms).

Based on the age of the residential building (built in the early 1990s), lead-based products are not expected; however, depending on the age of the shed (possibly built in the mid-1970s) lead-based products may be present.

4.6.4 Urea Formaldehyde Foam Insulation (UFFI)

Urea Formaldehyde Foam Insulation (UFFI) was used as an insulation product for existing houses between the mid-1970s and its ban in Canada in 1980. It was not commonly used for commercial or industrial buildings.

Based on the age and nature of the site building, UFFI was not expected to be present at the Site. No evidence of the application of UFFI was observed during the site visit

4.6.5 Ozone-depleting Substances (ODSs)

Refrigeration and air conditioning equipment in place before 1998 may contain refrigerants containing ozone-depleting substances (ODS). Non-ODS refrigerants have been developed and are available to replace these materials in newer equipment.

Sources of ODSs at the Site were limited to minor quantities of refrigerant in refrigeration equipment and air conditioning units

4.7 SPECIAL ATTENTION ITEMS

4.7.1 Radon Gas

Radon is a radioactive gas associated with uranium rich black shale and/or granite bedrock. Radon emits alpha particles and produces several solid radioactive products called radon daughters. Harmful levels of radon and radon daughters can accumulate in confined air spaces, such as basements and crawl spaces.

There are insufficient existing data available to make an accurate assessment of the potential for radon gas issues at this Site. Such conditions would have to be determined by the completion of a study which is beyond the scope of work of this project.



Site Visit Findings 5/28/2019

4.7.2 Microbial Contamination (Mold) and Indoor Air Quality

The growth of mold in indoor environments is typically due to a moisture problem related to building envelope or mechanical systems deficiencies or design and can produce adverse health effects. There is no practical way to eliminate all mold and mold spores in the indoor environment. The way to control mold is to control moisture.

A former leak around a skylight and chimney in the residential building was reported during the 2016 site visit. No visual evidence of suspected mould growth was observed or reported during the site visits.

4.7.3 Electromagnetic Frequencies (EMFs)

Electrical currents induce electromagnetic fields. No scientific data supports definitive answers to questions about the existence or non-existence of health risks related to electromagnetic fields.

No high-voltage transmission lines or electrical substations, which could generate significant electromagnetic fields, were identified on the Site.

4.7.4 Noise and Vibration

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

No major or persistent sources of noise and vibration were identified on the Site at the time of the site visit.

4.8 **NEIBOURING PROPERTY INFORMATION**

The current activities on neighbouring properties observed at the time of the site visit and a summary of historical information gathered through the records review are presented in the following sections.

North of the Site

The adjacent property to the north of the Site was formerly a golf course and was under redevelopment between 2016 to present. Prior to the development in the 1970s, the northern adjacent property was agricultural/undeveloped based on the available aerial photographs. Victoria Park Golf Club West was listed as a generator of petroleum distillates, waste oil and lubricants between 2002 and 2012. Fuel storage tanks and historical fuel storage tanks records showed that Victoria Park Golf Club West was listed as a private fuel outlet for a self-serve including a single wall horizontal AST for gasoline (2200 L capacity) and diesel (1360 L capacity), both ASTs were listed as active.

Based on the inferred groundwater flow direction to the north/northeast in the northern portion of the Site, the operations on the northern adjacent property are not expected to represent an environmental concern to the Site. No evidence of fuel and chemical storage was found adjacent to the Site during the 2016 site visit and the portion of this property adjacent to the Site was under construction in 2018.



Site Visit Findings 5/28/2019

East of the Site

The property east of the Site has been agricultural/woodland between 1954 and present.

South and Southeast of the Site

Adjacent and neighbouring properties to the south of the Site have been occupied by residential subdivisions since between the mid-2000s and the mid-2010s. The residential subdivisions located north of Arkell Road and south of Arkell Road were built in the mid-2000s and the mid-2010s, respectively. In 2013, two listings of Record of Site Conditions in the Ecolog ERIS report were filed with the MECP for the southern adjacent property in order to develop the land from agricultural use to residential and parkland use.

Two spill to land records were found in the ERIS report including:

- In March 2015, a spill incident of possible hydraulic oil leak of unknown quantity into snow on cul de sac took place at 25 Coutts Court, approximately 65 m south of the Site
- In May 2007, a spill incident of 400 L of diesel fuel occurred due to garbage truck rollover at an intersection located approximately 225 m southeast of the Site

These spills are not expected to represent a potential environmental concern to the Site, based on the distance and/or the inferred groundwater flow direction to the south/southwest in the southern portion of the Site.

West and Southwest of the Site

The adjacent property to the west of the Site has been undeveloped/woodland between 1954 to present. Neighboring properties to the southwest along Arkell Road have been occupied by residential properties since the late 1960s. Additionally, a Municipal Drinking Water System (Burke Well Station) is located approximately 190 m southwest of the Site. An engine oil leak incident with unknown quality occurred at the Burke Well Station in 2017. Based on the distance from the Site, approximately 190 m southwest of the Site, the spill is not expected to represent a potential environmental concern to the Site.

4.9 CLIENT-SPECIFIC ITEMS

No specific Client requests were made with respect to this Phase I ESA.



Conclusions 5/28/2019

5.0 CONCLUSIONS

The Phase I ESA has revealed evidence of potential environmental contamination associated with the Site. The following environmental concern was identified:

• Historical use of fill material of unknown environmental quality to infill a former pond on the Site.

Stantec recommended the completion of a soil characterization program to confirm the environmental quality of soil in this area. A report summarizing the findings will be reported under separate cover.

Based on the unknown age of the detached garage/shed building (possibly built in the mid-1970s), asbestos, PCBs and lead containing materials may be present. A hazardous materials survey should be completed prior to any demolition activities.



Closure 5/28/2019

6.0 CLOSURE

This report documents work that was performed in accordance with generally accepted professional standards at the time and location in which the services were provided. No other representations, warranties or guarantees are made concerning the accuracy or completeness of the data or conclusions contained within this report, including no assurance that this work has uncovered all potential liabilities associated with the identified property.

This report provides an evaluation of selected environmental conditions associated with the identified portion of the property that was assessed at the time the work was conducted and is based on information obtained by and/or provided to Stantec at that time. There are no assurances regarding the accuracy and completeness of this information. All information received from the client or third parties in the preparation of this report has been assumed by Stantec to be correct. Stantec assumes no responsibility for any deficiency or inaccuracy in information received from others.

The opinions in this report can only be relied upon as they relate to the condition of the portion of the identified property that was assessed at the time the work was conducted. Activities at the property subsequent to Stantec's assessment may have significantly altered the property's condition. Stantec cannot comment on other areas of the property that were not assessed.

Conclusions made within this report consist of Stantec's professional opinion as of the time of the writing of this report and are based solely on the scope of work described in the report, the limited data available and the results of the work. They are not a certification of the property's environmental condition. This report should not be construed as legal advice.

This report has been prepared for the exclusive use of the client identified herein and any use by any third party is prohibited. Stantec assumes no responsibility for losses, damages, liabilities or claims, howsoever arising, from third party use of this report.

This report is limited by the following:

- The fenced area at the northwestern corner of the Site and the heavily wooded area at the southwestern corner of the Site were not assessed/accessed
- The residential building and the greenhouse were not assessed during the 2018 site visit
- The site was snow-covered during the 2018 site visit

The locations of any utilities, buildings and structures, and property boundaries illustrated in or described within this report, if any, including pole lines, conduits, water mains, sewers and other surface or sub-surface utilities and structures are not guaranteed. Before starting work, the exact location of all such utilities and structures should be confirmed and Stantec assumes no liability for damage to them.



Closure 5/28/2019

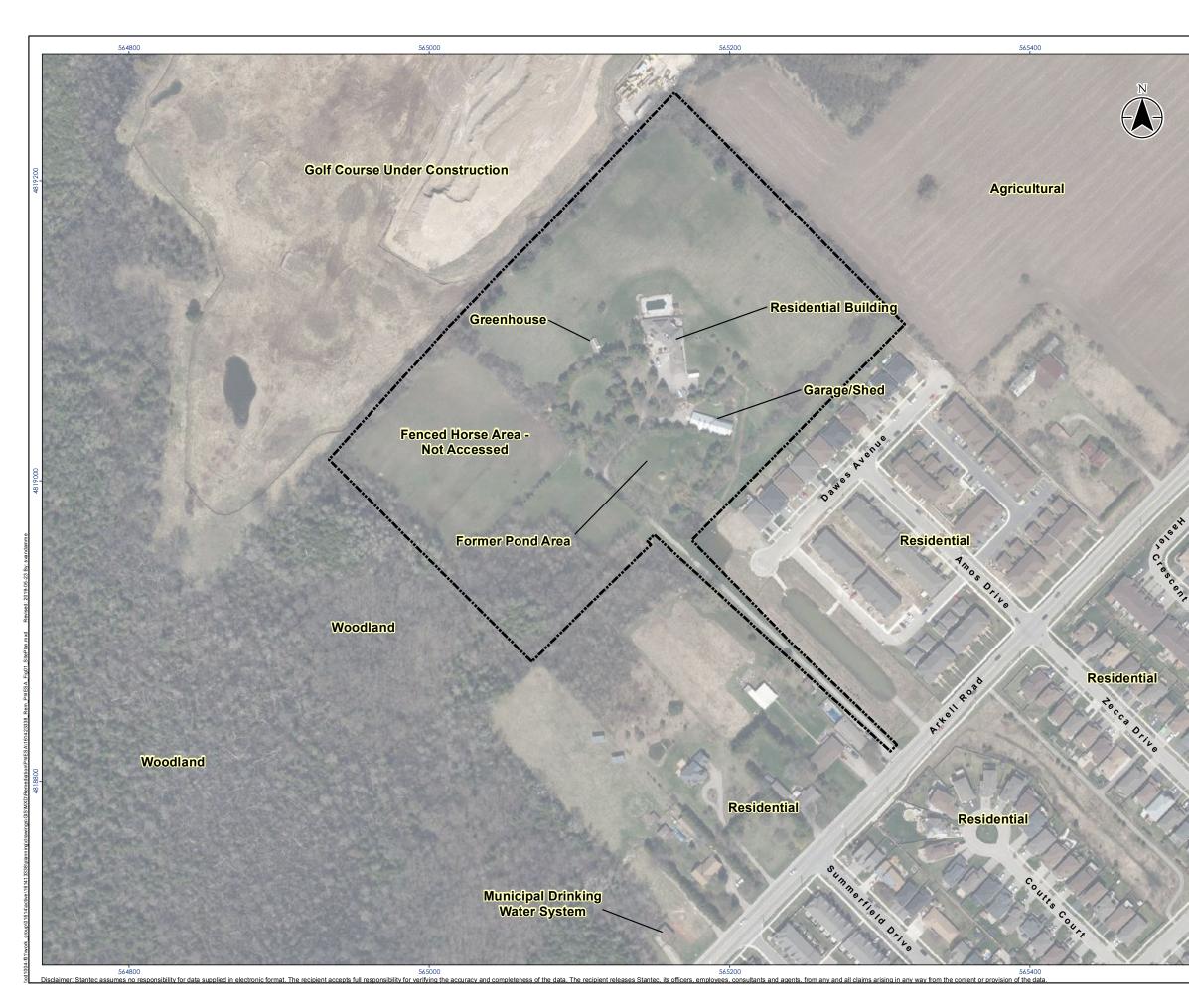
The conclusions are based on the site conditions encountered by Stantec at the time the work was performed at the specific testing and/or sampling locations, and conditions may vary among sampling locations. Factors such as areas of potential concern identified in previous studies, site conditions (e.g., utilities) and cost may have constrained the sampling locations used in this assessment. In addition, analysis has been carried out for only a limited number of chemical parameters, and it should not be inferred that other chemical species are not present. Due to the nature of the investigation and the limited data available, Stantec does not warrant against undiscovered environmental liabilities nor that the sampling results are indicative of the condition of the entire site. As the purpose of this report is to identify site conditions which may pose an environmental risk; the identification of non-environmental risks to structures or people on the site is beyond the scope of this assessment.

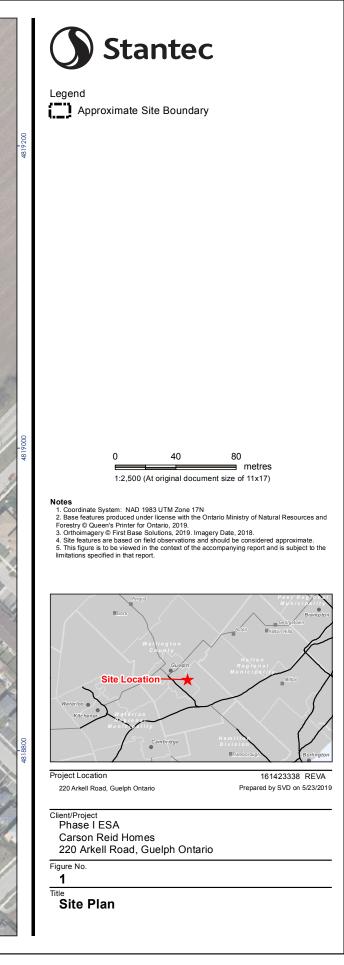
Should additional information become available which differs significantly from our understanding of conditions presented in this report, Stantec specifically disclaims any responsibility to update the conclusions in this report.



Appendix A

Site Plan

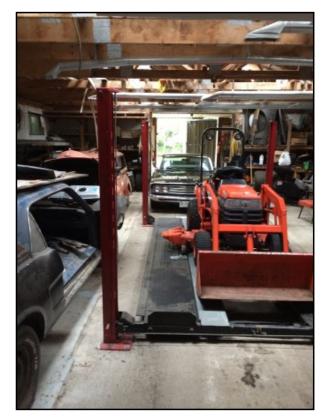




Appendix B

Photographs





View of the interior of the garage/shed, located south of the Site in $2016\,$



View of the former pond area, facing west in 2016





View of the residential building, facing northeast in 2018

Appendix C

Assessor Qualifications

Aseel Kaiser M.Sc., C.E.T., EP

Environmental Scientist



Aseel Kaiser, M.Sc., C.E.T., EP, is an Environmental Assessor and Project Manager in training with the Site Investigation, Remediation, and Risk Team at Stantec. Mr. Kaiser completed his master's thesis from the University of Waterloo in the field of water quality and ecosystems interaction and has eight (8) years of consulting experience. He has experience in the field with groundwater monitoring and sampling, drilling, excavation and remediation supervision. He also has experience with Phase I ESA, Phase II ESA, and Contamination Overview Study reporting and the preparation of Permit to Take Water applications and reporting. Prior to his consulting experience, Aseel spent two years working on the restoration of Iraqi wetlands project between 2003 and 2005.

Mr. Kaiser is registered as a Certified Engineering Technologist (C.E.T.) and an Environmental Professional (EP) and is also a volunteer member of Halton Region's Natural Heritage Advisory Committee.

Mr. Kaiser has been involved in both private and public sectors including tens of large-scale projects related to both municipal and provincial transportation projects.

EDUCATION

Bachelor of Science in Biology, University of Baghdad, Baghdad, Iraq, 2002

Master of Science in Environmental Research, University of Waterloo, Waterloo, Ontario, 2009

CERTIFICATIONS & TRAINING

Standard First Aid – CPR C -AED, St. John Ambulance, Oakville, Ontario, 2018

WHMIS Certification, Acute Environmental and Safety Services Inc., Waterloo, Ontario, 2011

40-Hour OSHA Health and Safety Training Certificate, Acute Environmental and Safety Services Inc., Waterloo, Ontario, 2011

REGISTRATIONS

Environmental Professional, Environmental Careers Organization of Canada (ECO Canada)

Certified Engineering Technologist #876395, Ontario Association of Certified Engineering Technicians & Technologists

MEMBERSHIPS

Volunteer Member (Citizens Representative) , Halton Region Natural Heritage Advisory Committee

PROJECT EXPERIENCE

Environmental Assessment and Permitting Permit to Take Water (PTTW) Reporting and Applications*, Mississauga, Ontario (Environmental Scientist)

Prepared three (3) PTTW reports and applications for three (3) different sections of the transitway to accommodate building bus stations and bridges as part of a high-efficiency transit corridor running east-west across Mississauga. The Transitway supports all-station stop and extensive express bus service.

Aseel Kaiser M.Sc., C.E.T., EP

Environmental Scientist

Phase I & II Environmental Site Assessments Private and Public Sectors* (Environmental Scientist)

Conducted Phase I Environmental Site Assessments (ESAs), Phase II ESAs, and remediation projects at a wide variety of chemical manufacturing, distribution plants, commercial, industrial and/or government properties including MTO projects. The sites typically contained chemical/oil storage tanks and were impacted with a broad range of inorganic and organic chemicals, including both dense and light non-aqueous phase liquids (DNAPLs and LNAPLs). Additionally, supervised in-situ remediation of groundwater impacted with different chemicals using injection of oxidants into the groundwater. Groundwater monitoring events were conducted after injection of oxidants.

Groundwater Monitoring

Groundwater Monitoring Program*, Newmarket, Ontario (Environmental Scientist)

Conducted extensive groundwater sampling and wells assessment of over 400 existing monitoring wells to determine contaminated sites along few kilometers stretch in Newmarket, Ontario for York Region.

Residential Water Wells Sampling Program*, Oakville, Ontario (Environmental Scientist)

Performed site visits on biannual basis and reports preparation, in addition to preparing tailored letters to affected residents. Salt release from a municipal patrol yard into the groundwater feeding a new subdivision occurred after building a new subdivision in the Town of Milton. Collected untreated groundwater samples from residential and commercial properties around the contamination source, as well as groundwater samples from monitoring wells in the Patrol Yard (source of contamination). Surface water sampling from northern and southern locations near the patrol yard was conducted, as well.

Groundwater Monitoring/Environmental Monitoring* (Environmental Scientist)

Conducted daily, weekly and monthly monitoring program at the site including over 60 monitoring wells (overburden and bedrock). Petroleum release from a pipeline had impacted soil and groundwater along Bronte Creek. Two (2) groundwater Pump and Treat (P&T) systems were installed. These P&T systems were intended to control, capture and treat the PHC groundwater plume, and consisted of linear array of approximately 40 shallow groundwater extraction wells at the south and north ends of the site connected to mobile 10 and 150 gallon per minute units.

Sampled surface water from Bronte Creek, groundwater from shallow and deep wells, and pump and treat system, in addition to performing containment measurements at the site.

Aseel Kaiser M.Sc., C.E.T., EP

Environmental Scientist

Environmental Assessment

Detailed Design Studies (Permit to Take Water (PTTW) Reporting and Applications)* (Environmental Scientist)

Responsible for compiling and summarizing various multidisciplinary background reports and communicating with the Ministry of Environment and Climate Change (MOECC) as part of PTTW reports and applications preparation, in addition to coordination with multidisciplinary teams. Reviewed public information centers (PICs), terrestrial impact Assessments, fisheries impact assessments, hydrogeological studies, storm water management studies, and geotechnical investigations of preliminary design studies as part of class environmental assessments. Various projects, in Ontario, were completed including construction and rehabilitation of highways, bridges, drainage pipes, culverts.

Class Environmental Assessment Studies

Preliminary Design Studies (Contamination Overview Studies and Preliminary Site Screening)* (Environmental Scientist) Responsible for conducting site visits and report writings as part of the Preliminary Design Studies in support of various MTO projects such as highway widenings, road realignments, Bridge rehabilitations and roundabout constructions. Projects were located across Southern Ontario and ranged from few hundred meters to several kilometers.



Erika Ryter, M.A.Sc., P.Eng., is an environmental engineer and project manager with the Site Management and Remediation group at Stantec. Ms. Ryter completed her master's thesis in the field of contaminant hydrogeology and has over 12 years of consulting experience with Stantec relating to the identification, assessment, and remediation of contaminants in various media. She has conducted and managed over 300 Phase I and II Environmental Site Assessment (ESA) and Remediation projects across Canada and has been involved in all aspects of these projects, from field work to reporting, project management and development of remedial action plans. Ms. Ryter has successfully coordinated the delivery of large-scale portfolio projects within tight timeframes to satisfy client due diligence requirements. Ms. Ryter is a quality and independent reviewer within Stantec for Phase I and II ESAs, is a licensed Professional Engineer in Ontario and is recognized by the MOECC as a Qualified Person for ESAs (QPESA) under O.Reg.153/04.

EDUCATION

Master of Applied Science in Civil Engineering, McMaster University / Civil Engineering, Hamilton, Ontario, 2007

Bachelor of Science in Engineering, University of Guelph / Environmental Engineering, Guelph, Ontario, 2002

CERTIFICATIONS & TRAINING

Special Industry Course - Construction Management Certificate, Utility Infrastructure Awareness, Canadian Construction Association, OWN Your Safety Inc., Ontario, 2018

REGISTRATIONS

Professional Engineer #100124633, Professional Engineers Ontario

PROJECT EXPERIENCE

Environmental Site Assessments Phase I, II, III Phase I ESAs for Telecommunication Sites Across Southern Ontario (Project Manager, Quality Reviewer)

Managed a team of site assessors to complete over 75 Phase I ESAs of telecommunication sites across Southern Ontario in 2017. Conducted quality and independent review of the reports and supported the client through evaluation of potential liabilities to support acquisitions.

Phase I ESA of a Pulp and Paper Mill Facility, Thorold, Ontario (Site Assessor)

Conducted a Phase I ESA for a former pulp and paper mill including review of historical operating records, historical mapping, and review and synthesis of historical soil and groundwater analytical data to assist client in identifying potential liabilities.

Phase I Environmental Site Assessment for Wind Energy Project, Southwestern Ontario (Project Manager, Technical Reviewer)

Project management, coordination and technical review for a Phase One ESA in accordance with O.Reg.153/04 for 60 parcels of land in southwestern Ontario to identify environmental liabilities in support of client's development of the properties for a wind energy project. Managed site assessment team, organized logistics and completed technical review.

Erika Ryter M.A.Sc., P.Eng.

Environmental Engineer, Project Manager

Phase I Environmental Site Assessment Portfolio for Commercial Due Diligence, Ontario (Task Manager, Site Assessor)

Project management, coordination, site visits and reporting for 21 Phase I ESAs for mobile home parks across southwestern Ontario (part of a larger 70+ property portfolio). Managed site assessment team, coordinated logistics for field program, and coordinated reporting and technical review for the successful delivery of 21 reports within 8 weeks of approval to proceed.

Phase I Environmental Site Assessments, various sites Across Canada (Project Manager, Site Assessor)

Conducted or managed over 200 Phase I ESAs on both large portfolio projects and smaller single site locations. Sites include industrial facilities, warehouses, gasoline service stations, lumberyards, railways, commercial shopping centres, hotels, apartment buildings, and residential homes. Senior technical reviewer of various Phase I ESAs for residential and commercial properties.

Phase I Environmental Site Assessment Portfolio for Commercial Due Diligence, Ontario (Project Manager, Technical Reviewer)

Project management, coordination and technical review for 75 Phase I ESAs for commercial retail facilities across southwestern Ontario (part of a larger 200+ property portfolio). Managed site assessment team, organized logistics for field program, coordinated reporting and technical review for the successful delivery of 75 reports within 6 weeks of approval to proceed.

Phase I and II ESA of an Industrial Facility, Scarborough, Ontario (Project Manager, Site Assessor)

Completed a Phase I ESA of a manufacturing facility to support planning for plant decommissioning. Managed a tank removal, Phase II ESA and sub-slab vapour sampling program to support the assessment of soil and groundwater impacts associated with a former spill containment underground storage tank. Assisted the client in assessing and managing the potential risks to on-going operations associated with the identified contaminants of concern and currently working to develop recommendations for additional assessment, management and/or remediation.

Erika Ryter M.A.Sc., P.Eng.

Environmental Engineer, Project Manager

Phase II ESA for a Large Industrial Facility, Ontario (Project Manager)

Project manager for a Phase II ESA, screening level risk assessment and remedial action plan for a pulp and paper facility in Northern Ontario. This project was completed to assess our client's potential environmental liabilities associated with current and historical activities on their properties. The work program included the advancement of over 150 boreholes, 90 completed as monitoring wells, across more than 10 parcels of land during two field events (a total field program of 8 weeks). Erika completed a review and interpretation of a Phase I ESA completed by others, data gap analysis, developed a detailed sampling and analysis plan, managed the health and safety program and coordinated required sub-contractors including use of ground-penetrating radar to confirm locations of buried services and potential subsurface anomalies. Erika conducted on-going review and interpretation of field and laboratory analytical results and provided our client with regular updates, interpretation and recommendations, throughout the course of the field program. Contaminants of concern included petroleum hydrocarbons, volatile organic compounds, metals, inorganics, polycyclic aromatic hydrocarbons, dioxins and furans, polychlorinated biphenyls and phenols.

Phase II Environmental Site Assessments, various sites in Nova Scotia, Ontario, and Manitoba (Project Manager, Site Assessor)

Project management, coordination and field supervision for over 150 Phase II ESA projects in Nova Scotia, Ontario and Manitoba including design of sampling programs, regulatory evaluation, and design and evaluation of remedial strategies. Sites include brownfield development sites, active commercial and industrial properties, and residential developments.

Site Assessment to Support Record of Site Condition, Niagara Falls, Ontario (Project Manager)

Managed Phase One and Two ESA and remediation programs to support the assessment of a former industrial property and waste disposal facility to assist the client to identify options for development and to ultimately support the pursuit of a Record of Site Condition. Reviewed historical data, completed data gap analysis and developed soil and groundwater sampling programs to quantify the extent of impacts and worked with risk assessment team to evaluate risk assessment and remedial options.

Contaminant Overview Studies, Ontario (Quality Reviewer)

Quality reviewer for various Contaminant Overview Studies to assess potential environmental liabilities and provide recommendations for the management of excess soil and groundwater generated during construction. Projects were located across Ontario and ranged from several kilometres to nearly one hundred kilometres, associated with pipeline construction, road widenings and realignments and alternative energy projects for municipal and private sector clients.

Erika Ryter M.A.Sc., P.Eng.

Environmental Engineer, Project Manager

Environmental Peer Reviews (Site Assessor/Quality Reviewer)

Provided peer review support for various insurance and legal clients for various claims including fuel oil spills, impacts associated with historical buried fuel tanks, and commercial liability claims. Support included review of work programs, site assessment findings and remedial action plans. Provided data gap analyses, recommendations for further investigation, where warranted, and review and interpretation of project expenditures.

Site Management & Remediation Home Heating Oil Remediation, Coldwater, Ontario (Project Manager)

Managed the assessment, delineation and remedial excavation of petroleum hydrocarbon impacts associated with a home heating oil release at a residential property. A spill during filling of an above-ground tank in the basement of the home resulted in the release of an unknown quantity of fuel oil in close proximity (i.e., less than 30 m) to a water body. Petroleum hydrocarbon impacts to soil were identified adjacent to and beneath the building footing and beneath the basement floor. Our initial response included an initial excavation to mitigate further migration of contaminants and the subsequent completion of a test pit and borehole program to delineate the extent of impacts to soil and groundwater and confirm that impacts had not migrated to the nearby water body. Erika subsequently managed a remediation program that included excavation of soil impacts beneath the basement floor, a conventional underpinning program to remove the impacted soil beneath the footings and backfilling and restoration.

Removal of an Underground Storage Tank and Remediation of Impacted Soil, Bracebridge, Ontario (Project Manager)

Project manager for the remedial excavation of petroleum hydrocarbon impacted soils associated with an historical buried underground storage tank. Work program included the removal and disposal of the buried tank, coordination with contractors and field staff for the assessment, delineation, and excavation of petroleum hydrocarbon impacted soils, including a borehole and monitoring well drilling program. Petroleum impacted soils were subsequently excavated and removed and the Site was remediated to meet the applicable Ontario Regulation 153/04 Site Condition Standards.

Subsurface Delineation Program, Remedial Excavation, Vapour and Indoor Air Assessment, Mississauga, Ontario (Project Manager)

Subsurface delineation, remedial excavation and a tailored vapour monitoring and risk evaluation program was completed to help our client evaluate, understand and manage potential liability associated with VOC soil and groundwater impacts on a school property. By understanding the client's risk tolerance, and appreciating the need to minimize disruption to students, the monitoring, assessment and remediation program was completed under tight timelines outside of regular school hours and during scheduled holidays.

Erika Ryter M.A.Sc., P.Eng.

Environmental Engineer, Project Manager

Soil Assessment, Remediation Programs and Peer Review for Furnace Oil Spills, Ontario (Project Manager, Field Supervisor)

Project management, coordination and field supervision for numerous fuel oil losses for residential properties across Ontario. Managed programs of on- and off-site assessment and delineation, developed remedial action plans, coordinated and managed remedial excavations, restoration and site closure. Provided peer review support for various claims including review of work programs, recommendations for appropriate work plans and review and interpretation of project expenditures.

Soil Remediation Program for a Furnace Oil Spill, Huntsville, Ontario (Assistant Project Manager)

Petroleum hydrocarbon impacts at a residential property were identified following a suspected fuel oil loss from an above-ground storage tank. Project management and field supervision for the excavation and disposal of impacted soil.

Site Documentation and Tender Compliance for a PCB Storage Site, Halifax, Nova Scotia (Field Supervisor)

Responsible for site documentation and supervision of deconstruction and contract compliance at a PCB remediation storage site.

Groundwater Monitoring and Assessment Programs, various sites across Canada (Project Manager, Field Supervisor, Project Coordinator)

Conducted or managed various groundwater monitoring projects including design of sampling programs, regulatory evaluation and comparison, and design and evaluation of remedial strategies.

Mediation Support, Toronto, Ontario (Environmental Engineer)

Provided peer review support to insurance company to support mitigation associated with a \$5M+ claim for remediation associated with petroleum hydrocarbon impacts to soil and groundwater resulting from leaking underground storage tanks. Completed a data gap analysis and review of soil and groundwater data and remedial cost estimates to assist our client in achieving a settlement significantly less than the initial claim amount and within the Insured's policy limits. Appendix D

Supporting Documentation

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

12th Floor 40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075 Fax: (416) 314-4285 Ministère de l'Environnement, de la Protection de la nature et des Parcs

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

12^e étage 40, avenue St. Clair ouest Toronto ON M4V 1M2 Tél. : (416) 314-4075



January 31, 2019

Aseel Kaiser Stantec Consulting 835 Paramount Drive, Suite 200 Stoney Creek, ON L8J 0B4

Dear Aseel Kaiser:

RE: Freedom of Information and Protection of Privacy Act Request Our File # A-2019-00452, Your Reference 161423338-810

This letter is in response to your request made pursuant to the *Freedom of Information and Protection of Privacy Act* relating to 220 Arkell Road, Guelph.

After a thorough search through the files of the Ministry's Guelph District Office, West-Central Regional Office, Investigations and Enforcement Branch, Environmental Monitoring and Reporting Branch, Sector Compliance Branch and Safe Drinking Water Branch, no records were located responsive to your request. To provide you with this response and in accordance with Section 57 of the *Freedom of Information and Protection of Privacy Act*, the fee owed is \$30.00 for 1 hour of search time @ \$30.00 per hour. We have applied the \$30.00 for this request from your initial payment. This file is now closed.

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

If you have any questions regarding this matter, please contact Junyi Cai at 416-314-4075 or junyi.cai@ontario.ca.

Yours truly,

tur

Janet Dadufalza Manager, Access and Privacy





345 Carlingview Drive Toronto, Ontario M9W 6N9 Tel.: 416.734.3300 Fax: 416.231.1626 Toll Free: 1.877.682.8772

www.tssa.org

08 February 2019

Aseel Kaiser STANTEC CONSULTING LTD. Suite 200 835 Paramount Drive STONEY CREEK ON L8J0B4

Subject:	220 Arkell Road, Guelph, Ontario
Your File No.:	161423338-810
SR No.:	2486428

Dear Madam/Sir:

We are in receipt of your correspondence wherein you requested information regarding the above noted subject.

A search of our records did not produce the requested Fuels Safety documents.

Should you have any questions, please contact Public Information at <u>publicinformationservices@tssa.org</u>.

Yours truly,

oxana Suare

Roxana Suarez-Mashtaler Public Information Services



enviroscan



An SCM Company

175 Commerce Valley Drive W Markham, Ontario L3T 7Z3

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

Report Completed By:

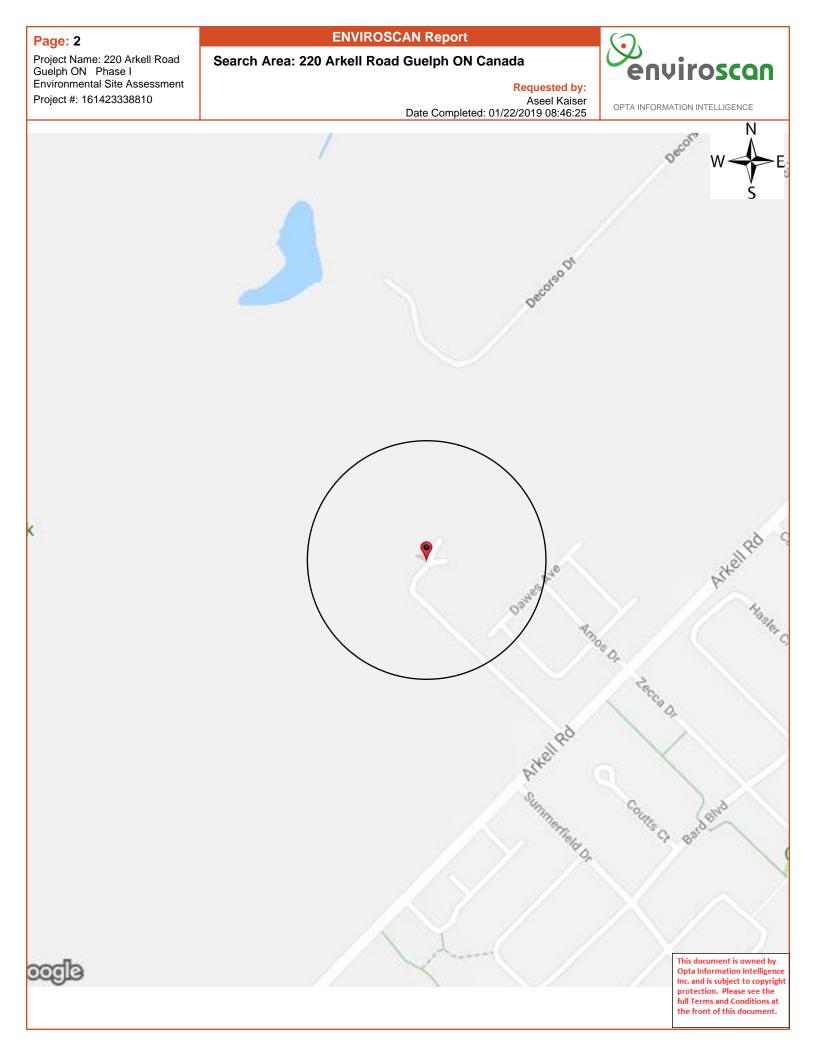
Anthony

Site Address: 220 Arkell Road Guelph ON Canada

Project No:

161423338810 Opta Order ID: 57294 Requested by: Aseel Kaiser Stantec Consulting Ltd.

Date Completed: 1/22/2019 8:46:25 AM



ENVIROSCAN Report

Opta Historical Environmental Services Enviroscan Terms and Conditions Requested by:



OPTA INFORMATION INTELLIGENCE

Aseel Kaiser

Date Completed: 01/22/2019 08:46:25

Opta Historical Environmental Services Enviroscan [™] Terms and Conditions

Report

The documents (hereinafter referred to as the "Documents") to be released as part of the report (hereinafter referred to as the "Report") to be delivered to the purchaser as set out above are documents in Opta's records relating to the described property (hereinafter referred to as the "Property"). Opta makes no representations or warranties respecting the Documents whatsoever, including, without limitation, with respect to the completeness, accuracy or usefulness of the Documents, and does not represent or warrant that these are the only plans and reports prepared in association with the Property or in Opta's possession at the time of Report delivery to the purchaser. The Documents are current as of the date(s) indicated on them. Interpretation of the Documents, if any, is by inference based upon the information which is apparent and obvious on the face of the Documents only. Opta does not represent, warrant or guarantee that interpretations other than those referred to do not exist from other sources. The Report will be prepared for use by the purchaser of the services as shown above hereof only.

Disclaimer

Opta disclaims responsibility for any losses or damages of any kind whatsoever, whether consequential or other, however caused, incurred or suffered, arising directly or indirectly as a result of the services (which services include, but are not limited to, the preparation of the Report provided hereunder), including but not limited to, any losses or damages arising directly or indirectly from any breach of contract, fundamental or otherwise, from reliance on Opta Reports or from any tortious acts or omissions of Opta's agents, employees or representatives.

Entire Agreement

The parties hereto acknowledge and agree to be bound by the terms and conditions hereof. The request form constitutes the entire agreement between the parties pertaining to the subject matter hereof and supersedes all prior and contemporaneous agreements, negotiations and discussions, whether oral or written, and there are no representations or warranties, or other agreements between the parties in connection with the subject matter hereof except as specifically set forth herein. No supplement, modification, waiver, or termination of the request shall be binding, unless confirmed in writing by the parties hereto.

Governing Document

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

Law

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



175 Commerce Valley Drive W

Markham, Ontario

L3T 7Z3

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Page: 4 Project Name: 220 Arkell Road Guelph ON Phase I Environmental Site Assessment Project #: 161423338810

Requested by: Aseel Kaiser Date Completed: 01/22/2019 08:46:25

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DATABASE REPORT

Project Property:	220 Arkell Road, Guelph, ON
	220 Arkell Road
	Guelph ON N1L 1E6
Project No:	161413338-810
Report Type:	Quote - Custom-Build Your Own Report
Order No:	20180824203
Requested by:	Stantec Consulting Ltd.
Date Completed:	September 10, 2018

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

www.erisinfo.com

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Executive Summary

Property Information:

Project Property:

Project No:

220 Arkell Road, Guelph, ON 220 Arkell Road Guelph ON N1L 1E6

161413338-810

Order Information:

Order No: Date Requested: Requested by: Report Type: 20180824203 August 24, 2018 Stantec Consulting Ltd. Quote - Custom-Build Your Own Report

Historical/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	0	0
CA	Certificates of Approval	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar	Y	0	0	0
CONV	Sites Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DRYCLEANERS	Dry Cleaning Facilities	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	7	7
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	6	7
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	0	0
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	2	2
FSTH	Fuel Storage Tank - Historic	Y	0	2	2
GEN	Ontario Regulation 347 Waste Generators Summary	Y	0	7	7
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
MISA PENALTY	Environmental Penalty Annual Report	Y	0	0	0

Database	Name	Searched	Project Property	Boundary to 0.25km	Total
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System	Y	0	0	0
NCPL	(NATES) Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Y	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Y	0	0	0
NEBW	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory	Y	0	0	0
OGW	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
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	1	1
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	2	2
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	4	4
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	33	33
	-	Total:	1	67	68

Executive Summary: Site Report Summary - Project Property

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u>	EHS		220 Arkell Road Guelph ON	-/0.0	0.00	<u>24</u>
			Order ID: 467181			

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Executive Summary: Site Report Summary - Surrounding Properties

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		ON <i>Well ID:</i> 7209139	SE/7.0	-3.50	<u>24</u>
<u>3</u>	WWIS		GUELPH ON <i>Well ID:</i> 7167861	N/14.6	-0.77	<u>25</u>
<u>4</u>	WWIS		ON Well ID: 7229605	SE/15.2	-2.22	<u>27</u>
<u>5</u>	ECA	The Corporation of the City of Guelph	Part Lots 6 & 7, Conc. 8, Former Twp. of Puslinch Guelph ON N1H 3A1	S/16.8	-4.18	<u>28</u>
<u>5</u>	ECA	The Corporation of the City of Guelph	Arkell Rd (from Gordon Street to Victoria Road) Guelph ON N1H 3A1	S/16.8	-4.18	<u>28</u>
<u>5</u>	ECA	The Corporation of the City of Guelph	Arkell Rd (from Gordon Street to Victoria Road) Guelph ON N1H 3A1	S/16.8	-4.18	<u>28</u>
<u>6</u>	WWIS		ON Well ID: 7169407	N/18.8	-1.42	<u>29</u>
<u>7</u>	WWIS		lot 6 con 8 ON Well ID: 6712543	S/19.5	-4.18	<u>29</u>
<u>8</u>	WWIS		Guelph ON Well ID: 7167862	N/23.0	-1.42	<u>33</u>
<u>9</u>	WWIS		Guelph ON Well ID: 7285694	SSE/25.0	-3.72	<u>35</u>
<u>10</u>	WWIS		Guelph ON Well ID: 7285695	SSE/54.9	-3.72	<u>38</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>11</u>	SPL		25 coutts court Guelph ON	SE/62.6	-0.72	<u>40</u>
<u>12</u>	WWIS		Guelph ON <i>Well ID:</i> 7167860	N/71.9	-2.79	<u>41</u>
<u>13</u>	WWIS		Guelph ON <i>Well ID:</i> 7285692	S/75.9	-3.72	<u>43</u>
<u>14</u>	WWIS		lot 6 con 8 ON <i>Well ID:</i> 6703602	SE/77.6	-0.42	<u>46</u>
<u>15</u>	WWIS		lot 6 con 8 ON <i>Well ID:</i> 6702590	SSE/82.6	-3.81	<u>48</u>
<u>16</u>	WWIS		Guelph ON <i>Well ID:</i> 7285693	SSE/88.4	-3.81	<u>51</u>
<u>17</u>	WWIS		lot 6 con 8 GUELPH ON Well ID: 7211048	SE/97.9	-0.72	<u>53</u>
<u>18</u>	WWIS		GUELPH ON <i>Well ID</i> : 7163099	ESE/101.3	1.28	<u>55</u>
<u>19</u>	WWIS		lot 5 con 8 ON <i>Well ID</i> : 6702582	NNE/118.5	-3.77	<u>57</u>
<u>20</u>	PINC		14 AMOS DR, GUELPH ON	ESE/138.8	3.99	<u>60</u>
<u>20</u>	SPL	Union Gas Limited	14 Amos Dr Guelph ON	ESE/138.8	3.99	<u>61</u>
<u>21</u>	WWIS		lot 6 con 8 ON <i>Well ID:</i> 6703579	SSE/143.3	-3.75	<u>61</u>
<u>22</u>	WWIS		GUELPH ON <i>Well ID:</i> 7163100	ESE/145.9	3.99	<u>65</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>23</u>	WWIS		lot 6 con 8 GUELPH ON Well ID: 7211047	ESE/148.0	6.70	<u>67</u>
<u>24</u>	WWIS		GUELPH ON <i>Well ID:</i> 6604906	SE/148.4	0.24	<u>69</u>
<u>25</u>	WWIS		lot 7 con 8 GUELPH ON <i>Well ID:</i> 6715351	SSE/152.2	-1.03	<u>71</u>
<u>26</u>	WWIS		lot 7 con 8 ON <i>Well ID:</i> 6714128	SSE/154.6	-0.72	<u>72</u>
27	WWIS		lot 6 con 8 ON <i>Well ID:</i> 6702589	E/163.5	6.97	<u>73</u>
<u>28</u>	WWIS		lot 7 con 8 ON <i>Well ID:</i> 6711291	SSE/167.4	-1.75	<u>76</u>
<u>29</u>	WWIS		Guelph ON <i>Well ID:</i> 7188310	S/176.9	-3.39	<u>80</u>
<u>30</u>	WWIS		lot 5 con 8 Guelph ON <i>Well ID:</i> 7275559	NNE/182.6	-4.57	<u>82</u>
<u>31</u>	WWIS		Guelph ON <i>Well ID:</i> 7236307	WNW/183.6	-5.03	<u>84</u>
<u>32</u>	ECA	The Corporation of the City of Guelph	264 Arkell Rd Part of Lot 6, Concession 8, Parts 1 and 2 of Reference Plan 61R-11714 Guelph ON N1H 3A1	ESE/183.9	7.40	<u>87</u>
<u>33</u>	ECA	The Corporation of the City of Guelph	246 Arkell Rd Part of Lot 6, Concession 8, Parts 1 and 2 of Reference Plan 61R-11714 Guelph ON N1H 3A1	ESE/184.2	7.40	<u>87</u>
<u>33</u>	EHS		246 Arkell Rd Guelph ON N1L 1E6 <i>Order ID:</i> 238146	ESE/184.2	7.40	<u>87</u>
<u>33</u>	EHS		246 Arkell Rd Guelph ON N1L 1E6	ESE/184.2	7.40	<u>87</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Order ID: 238147			
<u>33</u>	EHS		246 Arkell Road Guelph ON N1L 1E6 <i>Order ID:</i> 181457	ESE/184.2	7.40	<u>88</u>
<u>33</u>	RSC		246 ARKELL ROAD, GUELPH, ONTARIO N1L 1E6 Guelph ON	ESE/184.2	7.40	<u>88</u>
<u>33</u>	RSC		246 ARKELL ROAD, GUELPH, ONTARIO N1L 1E6 Guelph ON	ESE/184.2	7.40	<u>89</u>
<u>34</u>	EHS		164 And 174 Arkell Rd Guelph ON	S/186.0	-3.72	<u>90</u>
			Order ID: 219047			
<u>35</u>	WWIS		lot 5 con 8 ON	N/186.2	-4.66	<u>91</u>
			Well ID: 6713994			
<u>36</u>	ECA	The Corporation of the City of Guelph	164 Arkell Rd Guelph ON N1H 3A1	S/196.8	-3.72	<u>92</u>
<u>36</u>	SPL	City of Guelph	164 Arkell Road Guelph ON	S/196.8	-3.72	<u>92</u>
<u>37</u>	EHS		1159 Victoria Road South Guelph ON N1L 1B3 <i>Order ID:</i> 187508	N/198.1	-3.81	<u>92</u>
<u>37</u>	EHS		1159 Victoria Road S Puslinch, Guelph ON	N/198.1	-3.81	<u>93</u>
			Order ID: 190922			
<u>37</u>	FST	VICTORIA PARK GOLF CLUB WEST	1159 VICTORIA RD S GUELPH ON N1L 1B3	N/198.1	-3.81	<u>93</u>
<u>37</u>	FST	VICTORIA PARK GOLF CLUB WEST	1159 VICTORIA RD S GUELPH ON N1L 1B3	N/198.1	-3.81	<u>93</u>
<u>37</u>	FSTH	VICTORIA PARK GOLF CLUB WEST	1159 VICTORIA RD S GUELPH ON N1L 1B3	N/198.1	-3.81	<u>93</u>

Мар Кеу	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>37</u>	FSTH	VICTORIA PARK GOLF CLUB WEST	1159 VICTORIA RD S GUELPH ON N1L 1B3	N/198.1	-3.81	<u>94</u>
<u>37</u>	GEN	VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	N/198.1	-3.81	<u>94</u>
<u>37</u>	GEN	VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	N/198.1	-3.81	<u>94</u>
<u>37</u>	GEN	VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	N/198.1	-3.81	<u>95</u>
<u>37</u>	GEN	VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	N/198.1	-3.81	<u>95</u>
<u>37</u>	GEN	VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	N/198.1	-3.81	<u>96</u>
<u>37</u>	GEN	VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS R.R. #21159 Victoria Road South GUELPH ON N1L 1B3	N/198.1	-3.81	<u>96</u>
<u>37</u>	GEN	VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS R.R. #2 1159 Victoria Road South GUELPH ON N1L 1B3	N/198.1	-3.81	<u>96</u>
<u>37</u>	PTTW	Victoria Park Village Inc.	Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH ON	N/198.1	-3.81	<u>97</u>
<u>37</u>	PTTW	Victoria Park Village Inc.	1159 Victoria Road South Lot 5, Concession 8 City of Guelph, County of Wellington CITY OF GUELPH ON	N/198.1	-3.81	<u>97</u>
<u>37</u>	PTTW	Victoria Park Village Inc.	Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH ON	N/198.1	-3.81	<u>97</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>38</u>	WWIS		lot 6 con 8 ON	E/201.2	6.28	<u>98</u>
			Well ID: 6704984			
<u>39</u>	WWIS		lot 6 con 8 ON	S/201.8	-3.72	<u>100</u>
			Well ID: 6704985			
<u>40</u>	ECA	The Corporation of the City of Guelph	Guelph ON N1H 3A1	WNW/215.2	-3.72	<u>103</u>
<u>41</u>	SPL	The Corporation of the City of Guelph	Corner of Coutts Court and Bard Blvd. Guelph ON	SE/225.1	-0.72	<u>103</u>
<u>42</u>	WWIS		lot 6 con 8 ON	S/227.4	-3.72	<u>104</u>
			Well ID: 6702585			
<u>43</u>	WWIS		GUELPH ON	NNW/235.6	-3.69	<u>107</u>
			GOELPH ON Well ID: 6715740			
44	WWIS		lot 5 con 8	NNW/246.6	-4.33	109
_			ON			
			Well ID: 6709380			

Executive Summary: Summary By Data Source

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jul 31, 2018 has found that there are 7 ECA site(s) within approximately 0.25 kilometers of the project property.

Site	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
The Corporation of the City of Guelph	Part Lots 6 & 7, Conc. 8, Former Twp. of Puslinch Guelph ON N1H 3A1	16.8	<u>5</u>
The Corporation of the City of Guelph	Arkell Rd (from Gordon Street to Victoria Road) Guelph ON N1H 3A1	16.8	<u>5</u>
The Corporation of the City of Guelph	Arkell Rd (from Gordon Street to Victoria Road) Guelph ON N1H 3A1	16.8	<u>5</u>
The Corporation of the City of Guelph	264 Arkell Rd Part of Lot 6, Concession 8, Parts 1 and 2 of Reference Plan 61R-11714 Guelph ON N1H 3A1	183.9	<u>32</u>
The Corporation of the City of Guelph	246 Arkell Rd Part of Lot 6, Concession 8, Parts 1 and 2 of Reference Plan 61R-11714 Guelph ON N1H 3A1	184.2	<u>33</u>
The Corporation of the City of Guelph	164 Arkell Rd Guelph ON N1H 3A1	196.8	<u>36</u>
The Corporation of the City of Guelph	Guelph ON N1H 3A1	215.2	<u>40</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 7 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Address</u> 220 Arkell Road Guelph ON	<u>Distance (m)</u> 0.0	<u>Map Key</u> <u>1</u>
Order ID: 467181		
246 Arkell Rd Guelph ON N1L 1E6	184.2	<u>33</u>
Order ID: 238146		
246 Arkell Rd Guelph ON N1L 1E6	184.2	<u>33</u>
Order ID: 238147		
246 Arkell Road Guelph ON N1L 1E6	184.2	<u>33</u>
Order ID: 181457		
164 And 174 Arkell Rd Guelph ON	186.0	<u>34</u>
Order ID: 219047		
1159 Victoria Road South Guelph ON N1L 1B3	198.1	<u>37</u>
Order ID: 187508		
1159 Victoria Road S Puslinch, Guelph ON	198.1	<u>37</u>
Order ID: 190922		

FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 2 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>
VICTORIA PARK GOLF CLUB WEST	1159 VICTORIA RD S GUELPH ON N1L 1B3	198.1	<u>37</u>
VICTORIA PARK GOLF CLUB WEST	1159 VICTORIA RD S GUELPH ON N1L 1B3	198.1	<u>37</u>

FSTH - Fuel Storage Tank - Historic

14

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 2 FSTH site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u> VICTORIA PARK GOLF CLUB WEST	<u>Address</u> 1159 VICTORIA RD S GUELPH ON N1L 1B3	<u>Distance (m)</u> 198.1	<u>Map Key</u> <u>37</u>
VICTORIA PARK GOLF CLUB WEST	1159 VICTORIA RD S GUELPH ON N1L 1B3	198.1	<u>37</u>

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 7 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u> VICTORIA PARK GOLF CLUB WEST	Address DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	<u>Distance (m)</u> 198.1	<u>Map Key</u> <u>37</u>
VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	198.1	<u>37</u>
VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	198.1	<u>37</u>
VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	198.1	<u>37</u>
VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	198.1	<u>37</u>
VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS R.R. #21159 Victoria Road South GUELPH ON N1L 1B3	198.1	<u>37</u>
VICTORIA PARK GOLF CLUB WEST	DIODORO INVESTMENTS R.R. #2 1159 Victoria Road South GUELPH ON N1L 1B3	198.1	<u>37</u>

PINC - TSSA Pipeline Incidents

A search of the PINC database, dated Feb 28, 2017 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
	14 AMOS DR, GUELPH ON	138.8	<u>20</u>

PTTW - Permit to Take Water

A search of the PTTW database, dated 1994-Jul 31, 2018 has found that there are 3 PTTW site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	Address	<u>Distance (m)</u>	<u>Map Key</u>
Victoria Park Village Inc.	1159 Victoria Road South Lot 5, Concession 8 City of Guelph, County of Wellington CITY OF GUELPH ON	198.1	<u>37</u>
Victoria Park Village Inc.	Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH ON	198.1	<u>37</u>
Victoria Park Village Inc.	Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH ON	198.1	<u>37</u>

<u>RSC</u> - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Apr 2018 has found that there are 2 RSC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	246 ARKELL ROAD, GUELPH, ONTARIO N1L 1E6 Guelph ON	184.2	<u>33</u>
	246 ARKELL ROAD, GUELPH, ONTARIO N1L 1E6 Guelph ON	184.2	<u>33</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-May 2018 has found that there are 4 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u> 25 coutts court Guelph ON	<u>Distance (m)</u> 62.6	<u>Map Key</u> <u>11</u>
Union Gas Limited	14 Amos Dr Guelph ON	138.8	<u>20</u>
City of Guelph	164 Arkell Road Guelph ON	196.8	<u>36</u>
The Corporation of the City of Guelph	Corner of Coutts Court and Bard Blvd. Guelph ON	225.1	<u>41</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31, 2017 has found that there are 33 WWIS site(s) within approximately 0.25 kilometers of the project property.

Site	Address	<u>Distance (m)</u>	<u>Map Key</u>
	ON	7.0	<u>2</u>
	Well ID: 7209139		
	GUELPH ON	14.6	<u>3</u>
	Well ID: 7167861		
	ON	15.2	<u>4</u>
	Well ID: 7229605		
	ON	18.8	<u>6</u>
	Well ID: 7169407		
	lot 6 con 8 ON	19.5	<u>7</u>

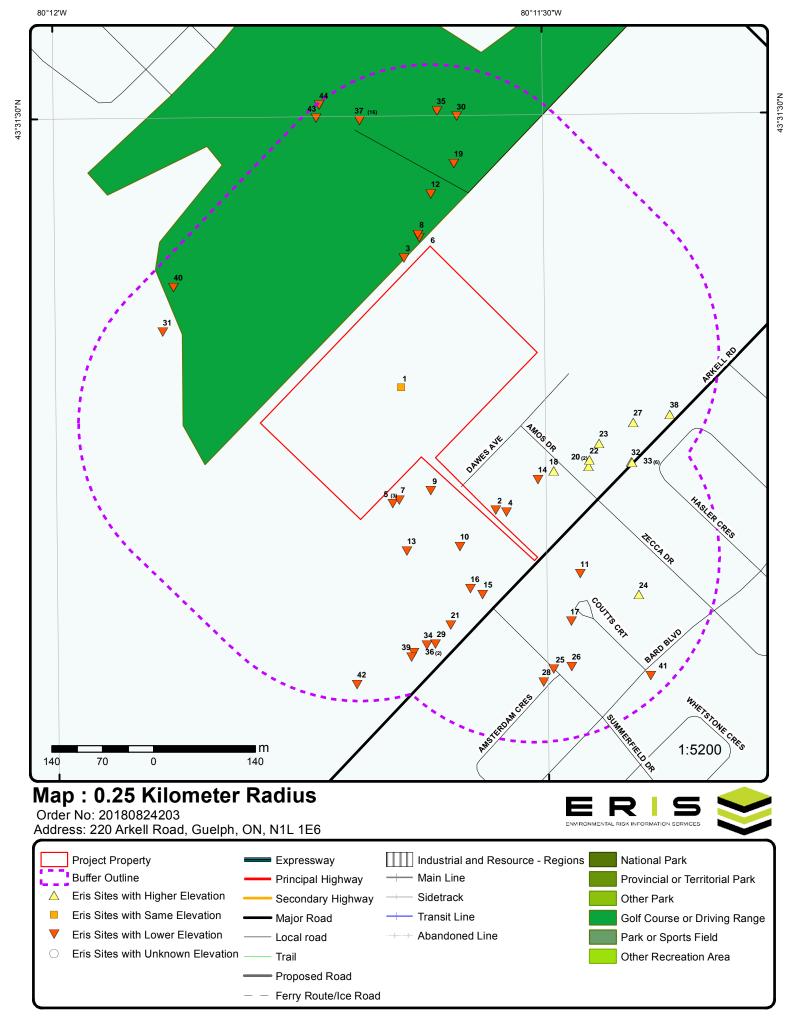
Address Well ID: 6712543	<u>Distance (m)</u>	<u>Map Key</u>
Wein ID. 01 120 1 0		
Guelph ON Well ID: 7167862	23.0	<u>8</u>
Wein ID. 1101002		
Guelph ON	25.0	<u>9</u>
Well ID: 7285694		
Guelph ON	54.9	<u>10</u>
Well ID: 7285695		
Guelph ON	71.9	<u>12</u>
Well ID: 7167860		
Guelph ON	75.9	<u>13</u>
Well ID: 7285692		
lot 6 con 8 ON	77.6	<u>14</u>
Well ID: 6703602		
lot 6 con 8 ON	82.6	<u>15</u>
Well ID: 6702590		
Guelph ON	88.4	<u>16</u>
Well ID: 7285693		
lot 6 con 8 GUELPH ON	97.9	<u>17</u>
Well ID: 7211048		
GUELPH ON	101.3	<u>18</u>
Well ID: 7163099		
lot 5 con 8 ON	118.5	<u>19</u>
Well ID: 6702582		

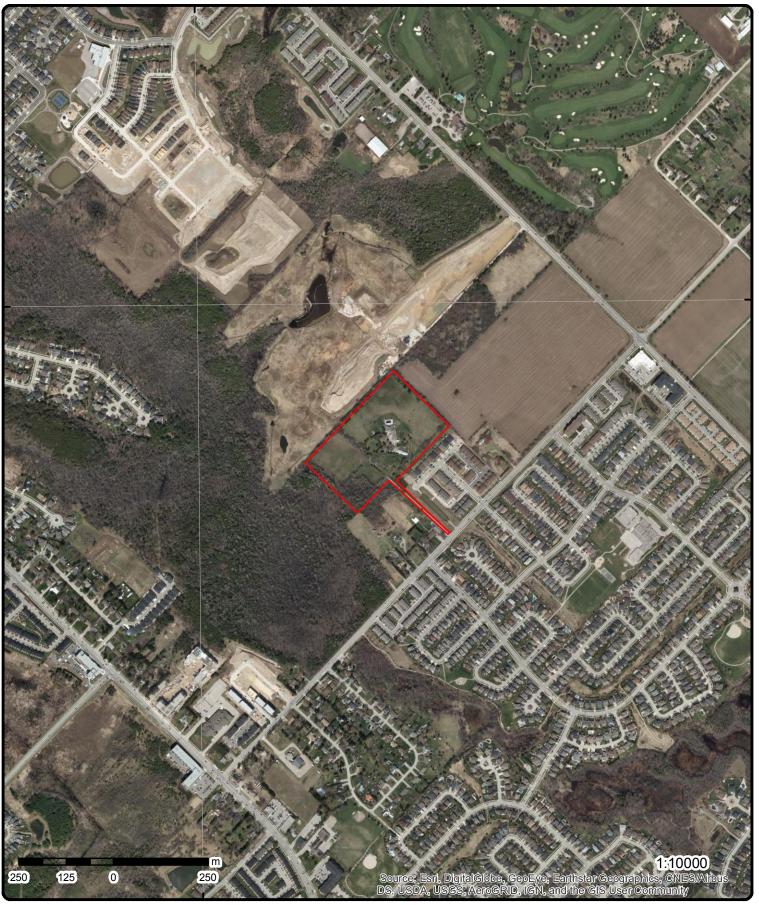
Address lot 6 con 8 ON	<u>Distance (m)</u> 143.3	<u>Map Key</u> <u>21</u>
Well ID: 6703579		
	145.9	22
GUELPH ON	145.9	<u>22</u>
Well ID: 7163100		
lot 6 con 8 GUELPH ON	148.0	<u>23</u>
Well ID: 7211047		
	148.4	24
GUELPH ON	1-0.4	24
Well ID: 6604906		
lot 7 con 8 GUELPH ON	152.2	<u>25</u>
Well ID: 6715351		
lot 7 con 8 ON	154.6	<u>26</u>
Well ID: 6714128		
lot 6 con 8 ON	163.5	<u>27</u>
Well ID: 6702589		
lot 7 con 8 ON	167.4	<u>28</u>
Well ID: 6711291		
	176.9	20
Guelph ON	110.5	<u>29</u>
Well ID: 7188310		
lot 5 con 8 Guelph ON	182.6	<u>30</u>
Well ID: 7275559		
	183.6	24
Guelph ON	100.0	<u>31</u>
Well ID: 7236307		
lot 5 con 8 ON	186.2	<u>35</u>

Address Well ID: 6713994	<u>Distance (m)</u>	<u>Map Key</u>
lot 6 con 8 ON	201.2	<u>38</u>
Well ID: 6704984		
lot 6 con 8 ON	201.8	<u>39</u>
Well ID: 6704985		
lot 6 con 8 ON	227.4	<u>42</u>
Well ID: 6702585		
GUELPH ON	235.6	<u>43</u>
Well ID: 6715740		
lot 5 con 8 ON	246.6	<u>44</u>
Wall ID: 6709380		

Well ID: 6709380

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Aerial (2017)

43°31'30"N

Address: 220 Arkell Road, Guelph, ON, N1L 1E6

Source: ESRI World Imagery

Order No: 20180824203

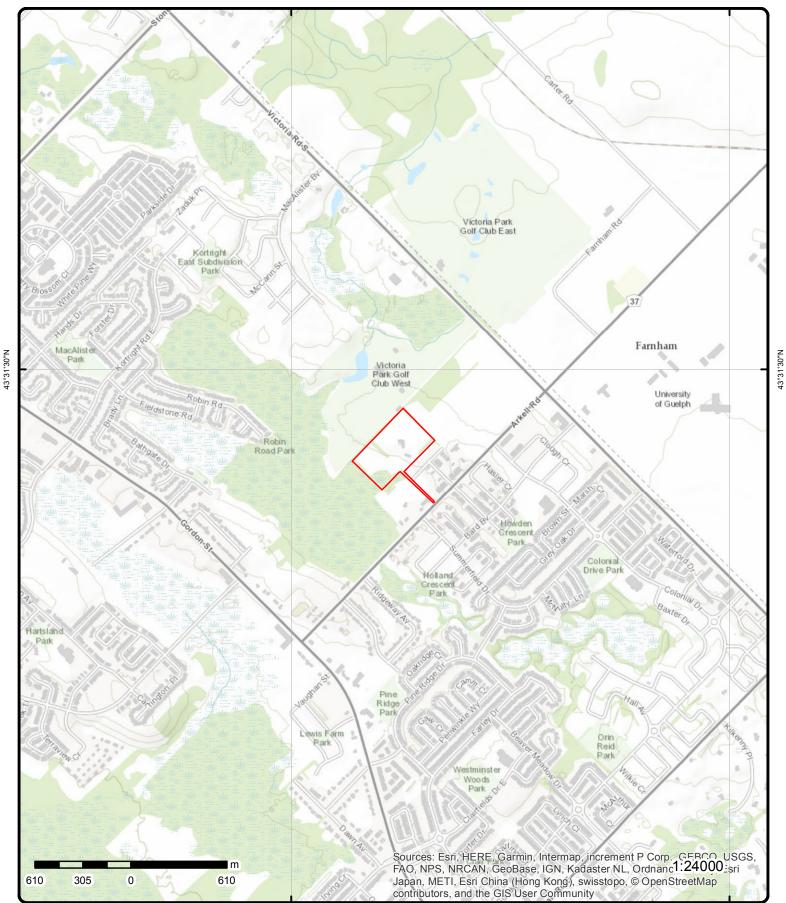


43°31'30"N

© ERIS Information Limited Partnership

80°12'W

80°10'30"W



Topographic Map

Address: 220 Arkell Road, Guelph, ON, N1L 1E6

Source: ESRI World Topographic Map

Order No: 20180824203



© ERIS Information Limited Partnership

Detail Report

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
1	1 of 1		-/0.0	338.6 / 0.00	220 Arkell Road Guelph ON		EHS
Order ID: Order No: Customer IE Company ID Status: Report Code Report Date Report Date Report Requ Nearest Inter Previous Site Additional In	D: e: e: ested by: rsection: e Name:		eport	Ltd.	Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	28-JUN-16 ON .25 .3 -80.194142 43.521645	
<u>2</u>	1 of 1		SE/7.0	335.1 / -3.50	ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well St Water Type: Casing Mate Audit No: Tag: Construction Elevation (m, Elevation Re Depth to Bec Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	er Use: Jse: Jse: rial: rial: Method: liability: drock: /Bedrock: /Bedrock: Level: J):	7209139 C21501			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	Yes 10/3/2013 Yes 7282 8 WELLINGTON PUSLINCH TOWNSHIP	
Bore Hole In Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB Des Open Hole: Cluster Kind Date Comple Remarks: Elevrc Desc: Location Sou); is; sc; l; eted;	10045965 13-JUN-13			Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	335.43 17 565256 UTM83 4818891 4 margin of error : 30 m - 100 m wwr	

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Мар Кеу	Numbe Recore			Site		DB
Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:						
<u>3</u>	1 of 1	N/14.6	337.8 / -0.77	GUELPH ON		wwis
Well ID:		7167861		Data Entry Status:		
Constructi	on Date:			Data Src:		
Primary Wa	ater Use:	Monitoring		Date Received:	8/30/2011	
Sec. Water	Use:			Selected Flag:	Yes	
Final Well	Status:	Observation Wells		Abandonment Rec:		
Water Type	ə:			Contractor:	7238	
Casing Ma	terial:			Form Version:	7	
Audit No:		Z130744		Owner:		
Tag:		A114019		Street Name:	1159 VICTORIA RD SOUTH	
Constructi	on Mothod:			County	WELLINGTON	

Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method:	Observation Wells Z130744 A114019	Abandonment Rec: Contractor: Form Version: Owner: Street Name: County:	7238 7 1159 VICTORIA RD SOUTH WELLINGTON
Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: Bore Hole Information		Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	GUELPH CITY
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location	1003556431 26-JUN-11 Source:	Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	338.1 17 565130 UTM83 4819238 3 margin of error : 10 - 30 m wwr

Overburden and Bedrock Materials Interval

25

Improvement Location Method: Source Revision Comment: Supplier Comment:

Formation ID:	1003962361
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	06
Most Common Material:	SILT
Mat2:	28
Other Materials:	SAND
Mat3:	12
Other Materials:	STONES
Formation Top Depth:	3
Formation End Depth:	9.5
Formation End Depth UOM:	m

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID):	1003962360			
Layer:		2			
Color:		6			
General Cold	or:	BROWN			
Mat1:		28 SAND			
Most Commo Mat2:	on Material:	12			
Other Materia	als	STONES			
Mat3:	ui5.	0101120			
Other Materia	als:				
Formation To	op Depth:	.3			
Formation E	nd Depth:	3			
Formation E	nd Depth UOM:	m			
Formation ID):	1003962359			
Layer:		1			
Color:		6 BROWN			
General Colo Mat1:	и.	BROWN 11			
Most Commo	on Material	GRAVEL			
Mat2:	n material.	28			
Other Materia	als:	SAND			
Mat3:					
Other Materia					
Formation To	op Depth:	0			
Formation E	nd Depth:	.3			
Formation E	nd Depth UOM:	m			
<u>Annular Spa</u> <u>Sealing Reco</u>	ce/Abandonment ord				
Plug ID:		1003962368			
Layer:		1			
Plug From:		0			
Plug To:		.3			
Plug Depth U	JOM:	m			
Plug ID:		1003962370			
Layer:		3			
Plug From:		1			
Plug To:		4.5			
Plug Depth L	IOM:	m			
•					
Plug ID:		1003962369			
Layer:		2			
Plug From:		.3			
Plug To: Plug Depth L		1			
Plug Depth C		m			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons	struction ID:	1003962367			
	struction Code:	E			
Method Cons	struction:	Auger			
Other Metho	d Construction:				
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		1003962358			
Casing No:		0			
Comment:		-			

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Alt Name:

Construction Record - Casing

Casing ID:	1003962364
Layer:	1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.5
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003962365
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

Water Details

Water ID:	1003962363
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

1003962362 21 0 4.5
m cm

<u>4</u>	1 of 1	SE/15.2	336.4 / -2.22	ON		WWIS
Elevation (Elevation F Depth to B Well Depth	ater Use: Use: Status: e: terial: on Method: (m): Reliability: edrock:	7229605 C23988 A126174		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name:	Yes 10/16/2014 Yes 6607 8 WELLINGTON PUSLINCH TOWNSHIP	

	Number Records	•••	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy):				Easting NAD83: Northing NAD83: Zone: UTM Reliability:		
Bore Hole Int	ormation						
Bore Hole ID DP2BR: Spatial Statu Code OB: Code OB Des Open Hole: Cluster Kind. Date Comple Remarks: Elevrc Desc: Location Sou Improvement Source Revis Supplier Con	s: sc: ted: tcce Date: t Location S t Location I sion Commo	lethod:			Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC: UTMRC Desc: Location Method:	335.8 17 565271 UTM83 4818888 4 margin of error : 30 m - 100 m wwr	
<u>5</u>	1 of 3	S	/16.8	334.4 / -4.18	The Corporation of the Part Lots 6 & 7, Conc. Puslinch Guelph ON N1H 3A1		ECA
Approval No. Approval Dat Status: Record Type Link Source: Approval Typ Project Type Address: Full Address Full PDF Linl	te: : : :	Mu	A-Municipal and I nicipal and Privat	Private Water Wor e Water Works c. 8, Former Twp.		Grand River Guelph -80.1943 43.5202	
<u>5</u>	2 of 3	S	/16.8	334.4 / -4.18	The Corporation of the Arkell Rd (from Gordol Guelph ON N1H 3A1	e City of Guelph n Street to Victoria Road)	ECA
– Approval No. Approval Dat Status: Record Type Link Source: Approval Type Project Type Address: Full Address	: : : :	3084-7CAQT 2008-03-07 Approved ECA IDS EC MU Ark	3 A-MUNICIPAL AI INICIPAL AND PI tell Rd (from Gord	ND PRIVATE SEW RIVATE SEWAGE don Street to Victor	Arkell Rd (from Gordon Guelph ON N1H 3A1 SWP Area Name: MOE District: City: Longitude: Latitude: VAGE WORKS	n Street to Victoria Road) Grand River Guelph Guelph -80.1943 43.5202	ECA
5 Approval No. Approval Dat Status: Record Type Link Source: Approval Typ Project Type Address: Full Address Full Address Full PDF Linl	: : : :	3084-7CAQT 2008-03-07 Approved ECA IDS EC ML Ark	3 A-MUNICIPAL AI INICIPAL AND PI tell Rd (from Gord	ND PRIVATE SEW RIVATE SEWAGE don Street to Victor	Arkell Rd (from Gordon Guelph ON N1H 3A1 SWP Area Name: MOE District: City: Longitude: Latitude: VAGE WORKS WORKS WORKS iw Road) ov.on.ca/instruments/9013-7 The Corporation of the	n Street to Victoria Road) Grand River Guelph Guelph -80.1943 43.5202 BSTM2-14.pdf	ECA

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Status:		Approved			City:	Guelph	
Record Type:	·	ECA			Longitude:	-80.1943	
Link Source:		IDS			Latitude:	43.5202	
Approval Typ		-	ECA-MUNICIPAL A			40.0202	
Project Type:			MUNICIPAL AND P	-			
Address:			Arkell Rd (from Gor	uon Street to vict	una Ruau)		
Full Address:							
Full PDF Link	(; ;		https://www.access	environment.ene.	gov.on.ca/instruments/1943	3-7BSTND-14.pdf	
6	1 of 1		N/18.8	337.2 / -1.42			www
					ON		
Well ID:	Data	7169407			Data Entry Status:	Yes	
Construction					Data Src:	10/1/00/1	
Primary Wate					Date Received:	10/4/2011	
Sec. Water Us	se:				Selected Flag:	Yes	
Final Well Sta	atus:				Abandonment Rec:		
Water Type:					Contractor:	7282	
Casing Mater	rial:				Form Version:	5	
Audit No:		M10856			Owner:		
Tag:		A120781			Street Name:		
Construction	Mathadi	A120701				WELLINGTON	
Elevation (m)					County:	GUELPH CITY	
• • •					Municipality:	GOLLFITCHT	
Elevation Rel					Site Info:		
Depth to Bed	rock:				Lot:		
Well Depth:					Concession:		
Overburden/E	Bedrock:				Concession Name:		
Pump Rate:					Easting NAD83:		
Static Water	Level:				Northing NAD83:		
Flowing (Y/N)					Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy	:				e i ili ricilasiiriy i		
Bore Hole Inf	ormation						
Bore Hole ID:		10035752	44		Elevation:	337.42	
DP2BR:					Elevrc:		
Spatial Status	s:				Zone:	17	
Code OB:					East83:	565151	
Code OB. Code OB Des					Org CS:	UTM83	
	<i>.</i>				•		
Open Hole:					North83:	4819266	
Cluster Kind:					UTMRC:	3	
Date Complet	ted:	28-SEP-1	1		UTMRC Desc:	margin of error : 10 - 30 m	
Remarks:					Location Method:	wwr	
Elevrc Desc:							
Location Sou	rce Date:						
Improvement	Location S						
Improvement							
Source Revis Supplier Con		ent:					
Supplier Coll	iment:						
<u>7</u>	1 of 1		S/19.5	334.4 / -4.18	lot 6 con 8 ON		wwws
Wall ID.		6710510			-		
Well ID:	Dete	6712543			Data Entry Status:	4	
Construction		D			Data Src:	1	
Primary Wate		Domestic			Date Received:	6/8/1998	
Sec. Water Us	se:				Selected Flag:	Yes	
Final Well Sta	atus:	Water Sup	oply		Abandonment Rec:		
Water Type:					Contractor:	2336	
Casing Mater	ial:				Form Version:	1	
Audit No:		187626			Owner:	-	
-uun NO.		10/020			Owner.		

erisinfo.com | Environmental Risk Information Services

• •	nber of ords	Direction/ Distance (m)	Elev/Diff (m)	Site		DI
Tag:				Street Name:		
Construction Metho	d:			County:	WELLINGTON	
Elevation (m):				Municipality:	PUSLINCH TOWNSHIP	
Elevation Reliability	:			Site Info:	000	
Depth to Bedrock:				Lot:	006	
Well Depth:				Concession:	08	
Overburden/Bedroc	к:			Concession Name:	CON	
Pump Rate:				Easting NAD83:		
Static Water Level: Flowing (Y/N):				Northing NAD83: Zone:		
Flow Rate:				UTM Reliability:		
Clear/Cloudy:				o nii Kenabinty.		
Bore Hole Informati	<u>on</u>					
Bore Hole ID:	10476376	i		Elevation:	334.66	
DP2BR:	39			Elevrc:		
Spatial Status:				Zone:	17	
Code OB:	r			East83:	565123.3	
Code OB Desc:	Bedrock			Org CS:		
Open Hole:				North83:	4818905	
Cluster Kind:				UTMRC:	9	
Date Completed:	21-MAY-9	8		UTMRC Desc:	unknown UTM	
Remarks:				Location Method:	lot	
Elevrc Desc:	40.					
Location Source Da	te:					
Improvement Least	ion Courses					
Improvement Locat Improvement Locat	ion Method:					
Improvement Locat Source Revision Co	ion Method:					
Improvement Locat Source Revision Co	ion Method:					
Improvement Locat	ion Method: mment:					
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID:	ion Method: mment: <u>drock</u>	932657688				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer:	ion Method: mment: <u>drock</u>	4				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color:	ion Method: mment: <u>drock</u>	4 2				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color:	ion Method: mment: <u>drock</u>	4 2 GREY				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1:	ion Method: mment: <u>drock</u>	4 2 GREY 26				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate	ion Method: mment: <u>drock</u>	4 2 GREY				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2:	ion Method: mment: <u>drock</u>	4 2 GREY 26				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials:	ion Method: mment: <u>drock</u>	4 2 GREY 26				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3:	ion Method: mment: <u>drock</u>	4 2 GREY 26				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials:	ion Method: mment: drock drock	4 2 GREY 26 ROCK				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep	ion Method: mment: drock drial:	4 2 GREY 26 ROCK 55				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials:	ion Method: mment: drock drock trial: th:	4 2 GREY 26 ROCK				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep	ion Method: mment: drock drock drial: th: th: th: th:	4 2 GREY 26 ROCK 55 80 ft 932657686				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer:	ion Method: mment: drock drock erial: th: th: th: th:	4 2 GREY 26 ROCK 55 80 ft 932657686 2				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Mat3: Other Materials: Formation End Dep Formation End Dep Formation ID: Layer: Color:	ion Method: mment: drock drock erial: th: th: th: th UOM:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Mat3: Other Materials: Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color:	ion Method: mment: drock drock erial: th: th: th: th: UOM:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1:	ion Method: mment: drock drock trial: th: th: th: th UOM:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate	ion Method: mment: drock drock drial: th: th: th: th UOM:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2:	ion Method: mment: drock drock trial: th: th: th: th: UOM:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND 11				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials:	ion Method: mment: drock drock trial: th: th: th: th: UOM:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3:	ion Method: mment: drock drock trial: th: th: th: th: UOM:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND 11				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Other Materials: Other Materials: Formation End Dep Formation End Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Most Common Materials: Mat2: Other Materials: Mat3: Other Materials: Mat3: Other Materials:	ion Method: mment: drock drock erial: th: th: th: th: th: th:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND 11 GRAVEL				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Mat3: Other Materials: Formation Top Dep	ion Method: mment: drock drock drial: th: th: th: th: th:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND 11 GRAVEL 30				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Other Materials: Other Materials: Formation End Dep Formation End Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Most Common Materials: Mat2: Other Materials: Mat3: Other Materials: Mat3: Other Materials:	ion Method: mment: drock drock drial: th: th: th: th: th: th:	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND 11 GRAVEL				
Improvement Locat Source Revision Co Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Mat3: Other Materials: Formation Top Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dep Formation Top Dep Formation End Dep	ion Method: mment: drock drock erial: th: th: th: th: th: th: th: th: th: th	4 2 GREY 26 ROCK 55 80 ft 932657686 2 6 BROWN 28 SAND 11 GRAVEL 30 39				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Color:		6			
General Colo	r:	BROWN			
Mat1:		28			
Most Commo Mat2:	on Material:	SAND 12			
Other Materia	als:	STONES			
Mat3:					
Other Materia		0			
Formation To	op Deptn:	0			
Formation En	nd Depth: nd Depth UOM:	30 ft			
	-				
Formation ID	:	932657687			
Layer: Color:		3			
General Colo	<i></i>	6 BROWN			
Mat1:	1.	26			
Most Commo	n Material	ROCK			
Mat2:					
Other Materia	als:				
Mat3:					
Other Materia					
Formation To		39			
Formation Er		55			
Formation Er	nd Depth UOM:	ft			
<u>Annular Spac</u> Sealing Reco	<u>ce/Abandonment</u> rd				
Plug ID:		933210822			
Layer:		1			
Plug From:		0			
Plug To:		25			
Plug Depth U	OM:	ft			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons	truction ID:	966712543			
	truction Code:	4			
Method Cons Other Method	truction: Construction:	Rotary (Air)			
<u>Pipe Informat</u>	<u>tion</u>				
Pipe ID:		11024946			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction</u>	Record - Casing				
Casing ID:		930776088			
Layer:		1			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From:					
Depth To:		42			
Casing Diam	eter:	6 in ch			
Casing Diame	eter UUM:	inch			
Casing Depth		ft			

Map Key Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	1
Casing ID:	930776089			
Layer:	2			
Material:	4			
Open Hole or Material:	OPEN HOLE			
Depth From:				
Depth To:	80			
Casing Diameter:	6			
Casing Diameter UOM:	inch			
Casing Depth UOM:	ft			
Results of Well Yield Testing				
Pump Test ID:	996712543			
Pump Set At:				
Static Level:	10			
Final Level After Pumping:	50			
Recommended Pump Depth:	70			
Pumping Rate:	10			
Flowing Rate:	10			
Recommended Pump Rate:	10			
Levels UOM:	ft			
Rate UOM:	GPM			
Nater State After Test Code:	1			
Water State After Test Code: Water State After Test:	CLEAR			
Pumping Test Method:	1			
Pumping Duration HR:	1			
Pumping Duration MIN:	0			
Flowing:	Ν			
Draw Down & Recovery				
Pump Test Detail ID:	934617298			
Test Type:	Draw Down			
Test Duration:	30			
Test Level:	46			
Test Level UOM:	ft			
Pump Test Detail ID:	934869129			
Test Type:	Draw Down			
Test Duration:	45			
Test Level:	50			
Test Level UOM:	ft			
Pump Test Detail ID:	934352296			
Test Type:	Draw Down			
Test Duration:	15			
Test Level:	32			
Test Level UOM:	ft			
Pump Test Detail ID:	935138943			
Test Type:	Draw Down			
Test Duration:	60			
Test Level:	50			
est Level UOM:	ft			
Vater Details				
Vater ID:	933966957			
ayer:	1			
Kind Code:	1			
Kind:	FRESH			
Vater Found Depth:	75			
Vater Found Depth: Vater Found Depth UOM:	ft			
· · · · · · · · · · · · · · · · · · ·				
	vironmental Risk Info	<i></i>		Order No: 201808242

Map Key	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
<u>8</u>	1 of 1		N/23.0	337.2 / -1.42	Guelph ON		wwis
Well ID:		7167862			Data Entry Status:		
Construction	n Date:				Data Src:		
Primary Wat		Monitoring	9		Date Received:	8/30/2011	
Sec. Water L					Selected Flag:	Yes	
Final Well S		Observati	on Wells		Abandonment Rec:		
Water Type:					Contractor:	7238	
Casing Mate	erial:	7400740			Form Version:	7	
Audit No:		Z130743 A114001			Owner:		
Tag: Construction	n Mothod:	A114001			Street Name: County:	1159 VICTORIA RD S WELLINGTON	
Elevation (m					Municipality:	GUELPH CITY	
Elevation Re					Site Info:	GOLEINIONI	
Depth to Be					Lot:		
Well Depth:					Concession:		
Overburden	/Bedrock:				Concession Name:		
Pump Rate:					Easting NAD83:		
Static Water	Level:				Northing NAD83:		
Flowing (Y/N	<i>I):</i>				Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloud	y:						
Bore Hole In	formation						
Bore Hole IL):	10035564	33		Elevation:	337.34	
DP2BR: Spatial State					Elevrc: Zone:	17	
Spatial Statu Code OB:	15.				East83:	565149	
Code OB. Code OB De	501				Org CS:	UTM83	
Open Hole:	30.				North83:	4819270	
Cluster Kind	l:				UTMRC:	3	
Date Comple		26-JUN-1	1		UTMRC Desc:	margin of error : 10 - 30 m	
Remarks:					Location Method:	wwr	
Elevrc Desc	:						
Location So	urce Date:						
Improvemen							
Improvemen							
Source Revi		ent:					
Supplier Co	mment:						
<u>Overburden</u> Materials Int		<u>:k</u>					
Formation II	D:		1003962382				
Layer:			2				
Color:			6				
General Col	or:		BROWN				
Mat1:			28				
Most Comm	on Material:		SAND				
Mat2:			12				
Other Mater	als:		STONES				
Mat3:	ala.						
Other Mater			2				
Formation T Formation E			.3 3				
Formation E Formation E		ОМ:	s m				
Formation II	D:		1003962381				
			4				
Layer: Color:			1 6				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Colo	or:	BROWN			
Mat1:		11			
Most Commo Mat2:	on Material:	GRAVEL 28			
Other Materia	ale	SAND			
Mat3:	ai3.	SAND			
Other Materia	als:				
Formation To		0			
Formation Er	nd Depth:	.3			
Formation Er	nd Depth UOM:	m			
Formation ID):	1003962383			
Layer:		3			
Color:		6			
General Colo	or:	BROWN			
Mat1:		06			
Most Commo	on Material:	SILT			
Mat2:		28			
Other Materia	ais:	SAND			
Mat3:	-lo-	12 STONES			
Other Materia Formation To		3			
Formation E		4.5			
	nd Depth UOM:	m			
	<u>ce/Abandonment</u>				
Sealing Reco	<u>ora</u>				
Plug ID:		1003962391			
Layer:		2			
Plug From:		.3			
Plug To:		1			
Plug Depth U	IOM:	m			
Plug ID:		1003962390			
Layer:		1			
Plug From:		0			
Plug To:		.3			
Plug Depth U	IOM:	m			
Plug ID:		1003962392			
Layer:		3			
Plug From:		1			
Plug To: Plug Depth U	IOM:	4.5 m			
Flug Depth 0	OM.	111			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	struction ID:	1003962389			
	struction Code:	E			
Method Cons		Auger			
Other Method	d Construction:	J			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		1003962380			
Casing No:		0			
Comment:		~			
Alt Name:					

Construction Record - Casing

Map Key Numl Reco	ber of rds	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Casing ID: Layer: Material: Open Hole or Materia Depth From: Depth To: Casing Diameter: Casing Diameter UOI Casing Depth UOM:		1003962386 1 5 PLASTIC 0 1.5 5.1 cm m				
Construction Record	- Screen					
Screen ID: Layer: Slot: Screen Top Depth: Screen End Depth: Screen Material: Screen Depth UOM: Screen Diameter UOI Screen Diameter:	Л:	1003962387 1 10 1.5 4.5 5 m cm 6.4				
Water Details						
Water ID: Layer: Kind Code: Kind:		1003962385				
Water Found Depth: Water Found Depth L	IOM:	m				
Hole Diameter						
Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM: Hole Diameter UOM:		1003962384 2.1 0 4.5 m cm				
9 1 of 1		SSE/25.0	334.9 / -3.72	Guelph ON		wwis
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Fag: Construction Methoo Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock	Z25638 A21999 :	ble ing and Test Hole		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name:	4/27/2017 Yes 7320 7 190 ARKELL RD WELLINGTON PUSLINCH TOWNSHIP	

Flow Parie: Clear/Cloudy: Bore Hole Information Bore Hole ID: 1006384734 Elevation: 334.76 Elevation: 25.10 Date Hole ID: 1006384734 Elevation: 37.17 Code 00 Bresc: 07 Code 00 Bresc: 07 Elevation Source - 100 Costen Kainet - 100 Formation D: 1006690279 Layer: 1 Code 00 Bresc: 08 Code 08 Cod	Map Key Numb Recor		Direction/ Distance (m)	Elev/Diff (m)	Site		D
NoneNoneElevation:334.76DP2B: Spatial Status: Code OBElevat: East83:565167Code OBSocial Status: Code OB707Code OBSocial Status: Code OB707Code OBNorth82:4119918Open Hole: Cluster Kind: Band Status: Band Status:<					UTM Reliability:		
Dr2 Brit Elvroc: Spatial Status: Zone: 1 Code OD Bose: Zone: 1 Code OD Bose: Dort M33: 565167 Code OD Bose: Org CS: UTMR3 Open Hole: North M3: 418918 Claster Kind: UTMRC: 4 Date Completed: 21-MAR-17 UTMRC Desc: margin of error: 30 m - 100 m Location Mothod: wwr wwr wwr Elevr: Desc: Location Method: wwr Location Source Date: improvement Location Source: wwr Source Tevision Comment: Suppler Comment: wwr Source Tevision Comment: 20 wwr Source Tevision Comment: 1006690279 wr Layre: 1 0007: 6 Goneral Color: 8 SAND wr Mast Common Material: SAND wr wr Mast Color: 6 Goneral Color: 6 General Color: 6 General Color: 1006690220 <td>Bore Hole Information</td> <td>!</td> <td></td> <td></td> <td></td> <td></td> <td></td>	Bore Hole Information	!					
Dre 28t: Envre: Spatial Status: Zone: 1 Code 00 Bose: Zone: 1 Code 01: East83: 565167 Code 02: Softal Status: 418918 Code 03: Org 05: UTMRS Open Hole: North83: 418918 Code 04: Eaver Dass: Location Method: Location Source Date: IUTMRC Dass: margin of error: 30 m - 100 m Location Source Date: Improvement Location Source: wwr Source Date: Source Cates: Source Cates: Source Date: Improvement Location Source: Improvement Location Method: wwr Source Cates: Source Date: Source Cates: Source Cates: Source Cates: Source Date: Source Cates: Source Cates: Source Cates: Source Cates: Source Cates: Source Cates: Source Cate: Sour						22172	
Code Do Bose: Org CS: UTM83 Qone Hole: North33: 4318318 Cluster Kind: UTMRC: 4 Date Completed: 21-MAR-17 UTMRC: www Location Source Date: Increasing Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision Comment: Source Revision	DP2BR: Spatial Status:	100638	34734		Elevrc: Zone:	17	
Date Completed: 21-MAR-17 UTMRC Desc: margin of error : 30 m - 100 m Elevro Desc: Location Method: wwr Elevro Desc: Location Method: wwr Location Sources Date: improvement Location Method: wwr Source Revision Comment: Source Revision Comment: Supplier Comment: Supplier Comment: Overburden and Bedrock. Materials Interval Supplier Comment: Supplier Comment: Formation ID: 1006690279 Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: 1006690279 Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: 1006690279 Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Comment: Supplier Common Materials: Supplier Common Materials: Supplier Common Common Comment: Supplier Comment: Supplier Comm	Code OB Desc: Open Hole:				Org CS: North83:	UTM83 4818918	
Location Source Date: Improvement Location Method: Source Revision Comment: Supplier Comment: Supplier Comment: Derburden and Bedrock. Materials Interval Pormation ID: 1006690279 Layer: 6 General Color: 6 General Color: 7 Materials: 7 Color: 7 Materials: 7 Color: 8 General Color: 8 General Color: 8 General Color: 8 Color: 6 Formation End Depth UM: 7 Color: 9 Formation ID: 1006690280 Layer: 2 Color: 6 General Color: 8 Formation ID: 1006690280 Layer: 7 Method Materials: Common Material: 5 Most Common Mater	Date Completed: Remarks:	21-MA	R-17		UTMRC Desc:	margin of error : 30 m - 100 m	
Materials Interval Formation ID: 1006690279 Layer: 1 Color: 6 General Color: BROWN Matt: 28 Most Common Material: SAND Matz: 11 Other Materials: GRAVEL Mat3: Other Materials: Other Materials: - Formation Top Depth: 0 Formation End Depth: 4.6 Formation End Depth: 5.8 Color: 6 General Color: 8 Most Common Material: SAND Mat2: 11 Other Materials: GRAVEL Mat3: 6 Formation End Depth: 7.6	Location Source Date Improvement Location Improvement Location Source Revision Com	n Source: n Method:					
Layer: 1 Color: 6 General Color: BROWN Matt: 28 Most Cornmon Material: SAND Matz: 11 Other Materials: GRAVEL Mat3: T Other Materials: GRAVEL Mat3: T Formation Top Depth: 0 Formation Top Depth: 0 Formation End Depth UOM: m Formation End Depth UOM: m Formation ID: 1006690280 Layer: 2 Color: 6 General Color: BROWN Mat1: 28 Most Common Materials: SAND Mat2: 11 Other Materials: SAND Mat2: 11 Other Materials: SAND Mat2: 11 Other Materials: SAND Mat2: 1 Other Materials: SAND Mat3: SI Othe		ock					
Layer: 1 Color: 6 General Color: BROWN Matt: 28 Most Common Material: SAND Matz: 11 Other Materials: GRAVEL Mat3: I1 Other Materials: GRAVEL Mat3: I Other Materials: 0 Formation Top Depth: 0 Formation End Depth UOM: m Formation End Depth UOM: m Formation ID: 1006690280 Layer: 2 Color: 6 General Color: BROWN Mat1: 28 Most Common Materials: SAND Mat2: 11 Other Materials: GRAVEL Mat2: 11 Other Materials: 91 Other Materials: 91 Other Materials: WATER-BEARING Formation End Depth UOM: m Annular Space/Abandonment A.6 Sealing Reacord			1006690279				
General Color: BROWN Mat1: 28 Mat2: 11 Other Materials: GRAVEL Mat3: GRAVEL Mat5: 0 Formation Top Depth: 0 Formation Top Depth: 4.6 Formation Top Depth: 1006690280 Layer: 2 Color: 6 General Color: 8ROWN Mat2: 2 Color: 6 General Color: 8ROWN Mat2: 28 Most Common Material: SAND Mat3: 91 Other Materials: GRAVEL Mat3: 91 Other Materials: WATER-BEARING Formation End Depth: 4.6 Formation End Depth: 4.6 Formation End Depth: 4.6 Formation Top Depth: 4.6 Formation End Depth: 4.6 Formation End Depth: 4.6 Formation End Depth: 6 Formation End De							
Matt:28Most Common Material:SANDMat2:11Other Materials:GRAVELMat3:Other Materials:Formation Top Depth:0Formation End Depth:4.6Formation ID:1006690280Layer:2Color:6General Color:BROWNMat1:28Mat2:11Other Materials:91Other Materials:91Purg To:7.6Formation End Depth:7.6Formation End Depth:5.7Plug From:5.7Plug To:7.6Plug Depth UOM:mPlug Depth UOM:m	Color:		-				
Most Common Material: SAND Mat2: 1 Mat2: 11 Other Materials: GRAVEL Mat3: - Mat5: - Other Materials: - Formation Top Depth: 0 Formation Top Depth: 4.6 Formation End Depth UOM: m Formation ID: 1006690280 Layer: 2 Color: 6 General Color: BROWN Mat1: 28 Most Common Material: SAND Mat2: 11 Other Materials: GRAVEL Mat3: 91 Other Materials: WATER-BEARING Formation End Depth: 7.6 Formation End Depth: 7.6 Formation End Depth UOM: m Annular Space/Abandonment. S Sealing Record 1 Plug ID: 1006690289 Layer: 3 Plug Toc: 7.6 Plug Depth UOM:							
Mat2: 11 Other Materials: GRAVEL Wat3: 0 Formation Top Depth: 0 Formation End Depth: 4.6 Formation End Depth: 4.6 Formation ID: 1006690280 Layer: 2 Color: 6 General Color: BROWN Mat2: 11 Other Materials: SAND Mat2: 11 Other Materials: GRAVEL Mat3: 91 Other Materials: SAND Mat3: 91 Other Materials: WATER-BEARING Formation End Depth: 7.6 Formation End Depth: 7.6 Formation End Depth: 7.6 Formation End Depth: 5.7 Plug To: 7.6 Plug To: 7.6 Plug Depth UOM: m							
Other Materials:GRAVELMat3:GRAVENOther Materials:		al:	-				
Formation Top Depth: 0 Formation End Depth: 4.6 Formation End Depth UOM: m Formation ID: 1006690280 Layer: 2 Color: 6 General Color: BROWN Mat1: 28 Most Common Material: SAND Mat2: 11 Other Materials: GRAVEL Mat3: 91 Other Materials: WATER-BEARING Formation End Depth: 7.6 Formation End Depth: 7.6 Formation End Depth UOM: m Annular Space/Abandonment Sa Sealing Record 1006690289 Layer: 3 Plug ID: 1006690289 Layer: 3 Plug To: 7.6 Plug Depth UOM: <	Other Materials:						
Formation End Depth: 4.6 Formation End Depth UOM: m Formation End Depth UOM: m Formation ID: 1006690280 Layer: 2 Color: 6 General Color: BROWN Mat1: 28 Most Common Material: SAND Mat2: 11 Other Materials: GRAVEL Mat3: 91 Other Materials: WATER-BEARING Formation End Depth: 7.6 Formation End Depth UOM: m Annular Space/Abandonment Sa Sealing Record 1006690289 Layer: 3 Plug ID: 1006690289 Layer: 5.7 Plug From: 5.7 Plug To: 7.6 Plug Dpith UOM: m Plug ID: 1006690288 Layer: 3 Plug To: 7.6 Plug ID: 1006690288	Other Materials:						
Formation End Depth UOM: m Formation ID: 1006690280 Layer: 2 Color: 6 General Color: BROWN Mat1: 28 Most Common Material: SAND Mat2: 11 Other Materials: GRAVEL Mat3: 91 Other Materials: WATER-BEARING Formation End Depth: 4.6 Formation End Depth: 7.6 Formation End Depth UOM: m Annular Space/Abandonment S.7 Plug ID: 1006690289 Layer: 3 Plug To: 7.6 Plug Depth UOM: m							
Layer:2Color:6General Color:BROWNMat1:28Most Common Material:SANDMat2:11Other Materials:GRAVELMat3:91Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth:1006690289Layer:3Plug ID:1006690289Layer:5.7Plug To:7.6Plug To:7.6Plug To:7.6Plug To:7.6Plug ID:1006690289Layer:3Plug To:7.6Plug To:7.6Plug To:7.6Plug To:7.6Plug To:7.6Plug To:7.6Plug ID:1006690289Layer:5.7Plug To:7.6Plug To:<							
Color:6General Color:BROWNMat1:28Most Common Material:SANDMat2:11Other Materials:GRAVELMat3:91Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Layer:3Plug ID:1006690289Layer:5.7Plug To:7.6Plug To:7.6Plug To:7.6Plug ID:1006690289Layer:5.7Plug To:7.6Plug ID:1006690289Layer:5.7Plug To:7.6Plug Dpit UOM:mPlug ID:1006690288Plug ID:1006690288Plug ID:1006690288	Formation ID:		1006690280				
General Color:BROWNMat1:28Most Common Material:SANDMat2:11Other Materials:GRAVELMat3:91Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Layer:3Plug ID:1006690289Layer:5.7Plug To:7.6Plug To:7.6Plug Dp:1006690289Layer:105.7Plug To:7.6Plug Dp:1006690289Layer:3Plug Dp:1006690289Layer:5.7Plug To:7.6Plug Dp:1006690288Plug Dp:1006690288	-						
Mat1:28Most Common Material:SANDMat2:11Other Materials:GRAVELMat3:91Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Layer:3Plug ID:1006690289Layer:5.7Plug To:7.6Plug To:7.6							
Most Common Material:SANDMat2:11Other Materials:GRAVELMat3:91Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Layer:3Plug ID:1006690289Layer:5.7Plug To:7.6Plug To:7.6Plug To:7.6Plug ID:1006690289Layer:3Plug To:7.6Plug To:7.6Plug To:7.6Plug To:7.6Plug ID:1006690289Layer:3Plug To:7.6Plug To:7.6Plug Dpeth UOM:m							
Mat2:11Other Materials:GRAVELMat3:91Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Plug ID:1006690289Layer:3Plug From:5.7Plug To:7.6Plug ID:1006690289Layer:5.7Plug To:7.6Plug ID:1006690289Layer:5.7Plug To:7.6Plug ID:1006690288		əl·					
Mat3:91Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Plug ID:1006690289Layer:3Plug From:5.7Plug To:7.6Plug Depth UOM:mPlug ID:1006690289Image: Plug To:7.6Plug ID:1006690289Plug To:7.6Plug ID:1006690288							
Other Materials:WATER-BEARINGFormation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Plug ID:1006690289Layer:3Plug From:5.7Plug To:7.6Plug Depth UOM:mPlug ID:1006690289Layer:3Plug ID:1006690289Layer:5.7Plug To:7.6Plug Depth UOM:mPlug ID:1006690288							
Formation Top Depth:4.6Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing Record1006690289Plug ID:1006690289Layer:3Plug From:5.7Plug To:7.6Plug Depth UOM:mPlug ID:1006690288							
Formation End Depth:7.6Formation End Depth UOM:mAnnular Space/Abandonment Sealing RecordPlug ID:1006690289Layer:3Plug From:5.7Plug To:7.6Plug Depth UOM:mPlug ID:1006690288							
Formation End Depth UOM: m Annular Space/Abandonment							
Sealing Record Plug ID: 1006690289 Layer: 3 Plug From: 5.7 Plug To: 7.6 Plug Depth UOM: m Plug ID: 1006690288							
Layer: 3 Plug From: 5.7 Plug To: 7.6 Plug Depth UOM: m Plug ID: 1006690288		onment					
Plug From: 5.7 Plug To: 7.6 Plug Depth UOM: m Plug ID: 1006690288	-		1006690289				
Plug To: 7.6 Plug Depth UOM: m Plug ID: 1006690288	Layer:						
Plug Depth UOM: m Plug ID: 1006690288							
Layer: 2							
	Layer:		2				
erisinfo.com Environmental Risk Information Services Order No: 2018082							

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From: Plug To: Plug Depth U	ОМ:	.15 5.7 m			
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ОМ:	1006690287 1 0 .15 m			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	truction Code:	1006690286 2 Rotary (Convent.) HSA			
<u>Pipe Informat</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		1006690278 0			
Construction	<u>Record - Casing</u>				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diamo Casing Diamo Casing Depth	eter: eter UOM:	1006690283 1 5 PLASTIC 7 6.1 5.1 cm m			
Construction	<u>Record - Screen</u>				
Screen ID: Layer: Slot: Screen Top D Screen End D Screen Mater Screen Depth Screen Diame	Depth: ial: n UOM: eter UOM:	1006690284 1 .01 6.1 7.6 5 m cm 6.1			
Water Details	1				
Water ID: Layer: Kind Code: Kind: Water Found	Depth:	1006690282			
Water Found		m			
<u>Hole Diamete</u>	<u>er</u>				
Hole ID:		1006690281			
37	erisinfo.com Env	vironmental Risk Info	rmation Service	S	Order No: 20180824203

·····	lumber o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Diameter:		2	21				
Depth From:		C)				
Depth To:		7	.6				
Hole Depth UOM	:	n	n				
Hole Diameter UC		c	m				
10 1 0	of 1		SSE/54.9	334.9/-3.72			
<u></u> /0			002/04.0	JJ 4 .J / -J./Z	Guelph ON		WW
Well ID:		7285695			Data Entry Status:		
Construction Dat					Data Src:		
Primary Water Us	se:	Test Hole			Date Received:	4/27/2017	
Sec. Water Use:					Selected Flag:	Yes	
Final Well Status	:: N	Monitoring	and Test Hole		Abandonment Rec:		
Water Type:					Contractor:	7320	
Casing Material:					Form Version:	7	
Audit No:	Z	Z256382			Owner:		
Tag:	1	A219998			Street Name:	190 ARKELL RD	
Construction Me	thod:				County:	WELLINGTON	
Elevation (m):					Municipality:	PUSLINCH TOWNSHIP	
Elevation Reliabi	ility:				Site Info:		
Depth to Bedrock	k:				Lot:		
Well Depth:					Concession:		
Overburden/Bedi	rock:				Concession Name:		
Pump Rate:					Easting NAD83:		
Static Water Leve	el:				Northing NAD83:		
Flowing (Y/N):					Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy:							
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc:		100638473 21-MAR-17			Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	335.04 17 565207 UTM83 4818841 4 margin of error : 30 m - 100 m wwr	
Location Source	Data						
Improvement Loc		urco.					
Improvement Loc							
Source Revision							
Supplier Comme							
Overburden and Materials Interval							
Formation ID:			006690368				
Layer:		2					
Color:		6					
			BROWN				
			28				
		ç	SAND				
Mat1: Most Common M	laterial:						
General Color: Mat1: Most Common M Mat2:	laterial:	1	1				
Mat1: Most Common M Mat2: Other Materials:	laterial:	1 C	GRAVEL				
Mat1: Most Common M Mat2: Other Materials: Mat3:	laterial:	1 (g	GRAVEL 1				
Mat1: Most Common M Mat2: Other Materials: Mat3: Other Materials:		1 (9 V	GRAVEL 11 VATER-BEARING				
Mat1: Most Common M Mat2:	epth:	1 C 9 V 4	GRAVEL 1				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation E	nd Depth UOM:	m			
Formation ID):	1006690367			
Layer:		1			
Color: General Colo	Nr.	6 BROWN			
Mat1:	л.	28			
Most Commo	on Material:	SAND			
Mat2:		11			
Other Materia	als:	GRAVEL			
Mat3: Other Materia					
Formation Te		0			
Formation E	nd Depth:	4.6			
	nd Depth UOM:	m			
<u>Annular Spa</u> Sealing Reco	ce/Abandonment ord				
Plug ID:		1006690375			
Layer:		1			
Plug From:		0			
Plug To:	1014	.15			
Plug Depth L	JOM:	m			
Plug ID:		1006690376			
Layer:		2			
Plug From: Plug To:		.15 5.7			
Plug Depth L	IOM·	5.7 M			
r lug Deptil e					
Plug ID:		1006690377			
Layer:		3			
Plug From: Plug To:		5.7 7.6			
Plug Depth L	JOM:	m			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons	struction ID:	1006690374			
	struction Code:	2			
Method Cons Other Metho	struction: d Construction:	Rotary (Convent.) HSA			
<u>Pipe Informa</u>	tion				
-		1006690366			
Pipe ID: Casing No:		0			
Comment:		0			
Alt Name:					
<u>Constructior</u>	n Record - Casing				
Casing ID:		1006690371			
Layer:		1			
Material:	* Mataul-1	5			
Open Hole of Depth From:	r Material:	PLASTIC 7			
Depth From: Depth To:		<i>1</i> 6.1			
Casing Diam	eter:	5.1			
Casing Diam		cm			

	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Casing Depth U	IOM:	m				
Construction Re	ecord - Scree	<u>n</u>				
Screen ID:		1006690372				
Layer:		1				
Slot:		.01				
Screen Top Dep		6.1				
Screen End Dep		7.6				
Screen Material		5				
Screen Depth U		m				
Screen Diamete Screen Diamete		cm 6.1				
Water Details						
		400000070				
Water ID:		1006690370				
Layer: Kind Code:		1 8				
Kind:		o Untested				
Water Found De	eoth:	Ontobiod				
Water Found De		m				
Hole Diameter						
Hole ID:		1006690369				
Diameter:		21				
Depth From:		0				
Depth To:		7.6				
Hole Depth UOI		m				
Hole Diameter U		cm				
<u>11</u> 1	of 1	SE/62.6	337.9 / -0.72	25 coutts court Guelph ON		SPI
_			337.9 / -0.72	Guelph ON		SPI
		SE/62.6 0-9UCQJF	337.9 / -0.72			SPI
Ref No: Site No:	086 NA		337.9 / -0.72	Guelph ON Discharger Report:		SP
Ref No: Site No: Incident Dt:	086 NA	0-9UCQJF	337.9 / -0.72	Guelph ON Discharger Report: Material Group:		SPI
— Site No: Incident Dt: Year: Incident Cause:	086 NA 3/3/	0-9UCQJF	337.9/-0.72	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type:		SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event:	086 NA 3/3/ : Lea	0-9UCQJF 2015	337.9/-0.72	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse:		SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co	086 NA 3/3/ : Lea ode: 15	0-9UCQJF 2015 k/Break	337.9/-0.72	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name:	residential <unofficial></unofficial>	SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Na	086 NA 3/3/ : Lea ode: 15 ame: HYI	0-9UCQJF 2015	337.9/-0.72	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address:	residential <unofficial> 25 coutts court</unofficial>	SPI
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Na Contaminant Li	086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1:	0-9UCQJF 2015 k/Break	337.9/-0.72	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office:		SP
Ref No: Site No: Incident Dt: Year: Incident Event: Contaminant Co Contaminant Na Contaminant Li Contaminant Li	086 NA 3/3/ : Lea ode: 15 ame: HY[imit 1: irreq 1:	0-9UCQJF 2015 k/Break	337.9/-0.72	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site County/District:		SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Na Contaminant Li Contaminant Li Contam Limit Fi	086 NA 3/3/ : Lea ode: 15 ame: HY[imit 1: ireq 1: N No 1:	0-9UCQJF 2015 k/Break		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office:		SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Na Contaminant Ui Contaminant Ui Contaminant Qu Environment Im	086 NA 3/3/ : Lea ode: 15 ame: HY[mit1: imit1: ireq1: N No 1: ty: 0 ot npact:	0-9UCQJF 2015 k/Break DRAULIC OIL		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site County/District: Site Postal Code:		SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Na Contaminant Na Contaminant Li Contaminant Fi Contaminant Qi Environment Im Nature of Impac	086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1: ireq 1: N No 1: ty: 0 ot npact: ct: Lan	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site Address: Site County/District: Site Postal Code: Site Region: Site Municipality: Site Lot:	25 coutts court	SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Li Contam Limit Fi Contaminant Qu Contaminant Qu Environment Im Nature of Impao Receiving Medi	086 NA 3/3/ : Lea ode: 15 ame: HYI ame: HYI imit 1: irreq 1: N No 1: ty: 0 ot apact: ct: Lan um:	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site Address: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Municipality: Site Lot: Site Conc:	25 coutts court Guelph	SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Li Contaminant Qi Contaminant Qi Contaminant Qi Environment Im Nature of Impao Receiving Medi Receiving Env:	086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1: ireq 1: N No 1: ty: 0 ot npact: ct: Lan ium:	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Municipality: Site Lot: Site Conc: Northing:	25 coutts court Guelph 4818765	SP
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Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Li Contaminant Ui Contaminant Qu Environment Im Nature of Impao Receiving Medi Receiving Env: Health/Env Con MOE Response	086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1: irreq 1: N No 1: ty: 0 ot npact: ct: Lan ium: seeq: s: N	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Region: Site Region: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu:	25 coutts court Guelph 4818765	SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Li Contaminant Ui Contaminant Qu Environment Im Nature of Impao Receiving Medi Receiving Env: Health/Env Con MOE Response Dt MOE Arvl on	086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1: irreq 1: N No 1: ty: 0 ot npact: ct: Lan um: seq: sc: N	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Region: Site Region: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth:	25 coutts court Guelph 4818765	SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Co Contaminant Li Contaminant UI Contaminant Co Contaminant UI Contaminant Co Contaminant Co Co Contaminant Co Co Co Co Co Co Co Co Co Co Co Co Co C	086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1: irreq 1: N No 1: ty: 0 ot npact: ty: 0 ot npact: ty: Lan um: seq: Scn: Dt: 3/6/	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript d		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Region: Site Region: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu:	25 coutts court Guelph 4818765	SP
11 1 Ref No: 1 Site No: 1 Incident Dt: 1 Year: 1 Incident Cause: 1 Incident Event: 1 Contaminant Cause: 1 Contaminant Cause: 1 Contaminant Na 1 Contaminant Na 1 Contaminant Que 1 Receiving Env: 1 Health/Env Con 1 MOE Response 1 Dt MOE ArvI on 1 MOE Reported D 1 Document C 1 <t< td=""><td>086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1: ireq 1: N No 1: ty: 0 ot pact: tpact: ct: Lan ium: sseq: sseq: sseq: Scn: Dt: 3/6/ losed: 3/12</td><td>0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript d</td><td></td><td>Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Region: Site Region: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth:</td><td>25 coutts court Guelph 4818765</td><td>SP</td></t<>	086 NA 3/3/ : Lea ode: 15 ame: HYI imit 1: ireq 1: N No 1: ty: 0 ot pact: tpact: ct: Lan ium: sseq: sseq: sseq: Scn: Dt: 3/6/ losed: 3/12	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript d		Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Region: Site Region: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth:	25 coutts court Guelph 4818765	SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Cause Contaminant Na Contaminant Na Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant Contaminant O Receiving Medi Receiving Medi Receiving Medi Receiving Medi Receiving Medi Mot Response Dt MOE Reported Dt Document Contaminant Contaminant Dt Document Contaminant Con	086 NA 3/3/ : Lea ode: 15 ame: HY[imit 1: ireq 1: N No 1: ty: 0 ot pact: ty: 0 ot pact: ct: Lan ium: sseq: scn: Dt: 3/6/ losed: 3/12	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript d 2015 2/2015 Land Spills	ion	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Region: Site Region: Site Region: Site Region: Site Region: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth:	25 coutts court Guelph 4818765	SP
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Ca Contaminant Ca Contaminant Li Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant UI Contaminant Ca Environment Im Nature of Impac Receiving Medi Receiving Medi Receiving Medi Receiving Mot Receiving Mot Imot Response Dt MOE ArvI on MOE Reported Dt Document Ca Agency Involve	086 NA 3/3/ : Lea ode: 15 ame: HY[imit 1: ireq 1: N No 1: ty: 0 ot pact: ct: Lan um: seq: x: N Scn: Dt: 3/6/ losed: 3/12 doses: n:	0-9UCQJF 2015 k/Break DRAULIC OIL her - see incident descript d 2015 2/2015 Land Spills Operator/Human Er	ion	Guelph ON Discharger Report: Material Group: Client Type: Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site District Office: Site County/District: Site Region: Site Region: Site Region: Site Region: Site Region: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth:	25 coutts court Guelph 4818765	SP

	Records	r of S	Direction/ Distance (m)	Elev/Diff (m)	Site		D
<u>12</u>	1 of 1		N/71.9	335.8 / -2.79	Guelph ON		ww
Well ID:		7167860			Data Entry Status:		
Construction	Date:	1101000			Data Src:		
Primary Wate		Monitoring	J		Date Received:	8/30/2011	
Sec. Water Us					Selected Flag:	Yes	
Final Well Sta	atus:	Observatio	on Wells		Abandonment Rec: Contractor:	7238	
Water Type: Casing Mater	ial·				Form Version:	7	
Audit No:	iai.	Z130713			Owner:	1	
Tag:		A114018			Street Name:	1159 VICTORIA RD S	
Construction					County:	WELLINGTON	
Elevation (m)					Municipality:	GUELPH CITY	
Elevation Rel Depth to Bed					Site Info: Lot:		
Well Depth:	IUCK.				Concession:		
Overburden/E	Bedrock:				Concession Name:		
Pump Rate:					Easting NAD83:		
Static Water I					Northing NAD83:		
Flowing (Y/N)):				Zone:		
Flow Rate: Clear/Cloudy:	:				UTM Reliability:		
Bore Hole Inf	ormation						
Bore Hole ID:		10035564	29		Elevation:	336.15	
DP2BR:					Elevrc:	17	
Spatial Status Code OB:	S:				Zone: East83:	565167	
Code OB. Code OB Des	ic:				Org CS:	UTM83	
Open Hole:					North83:	4819326	
Cluster Kind:					UTMRC:	3	
Date Complet	ted:	26-JUN-1	1		UTMRC Desc:	margin of error : 10 - 30 m	
Remarks: Elevrc Desc:					Location Method:	wwr	
Location Sou Improvement Improvement Source Revis	Location S Location N ion Comme	Nethod:					
	iiiieiit.						
Supplier Com Overburden a	and Bedroc	<u>k</u>					
Supplier Com <u>Overburden a</u> Materials Inte	and Bedroc erval		1003962321				
Supplier Com <u>Overburden a</u> Materials Inte Formation ID:	and Bedroc erval		1003962321 1				
Supplier Com <u>Overburden a</u> Materials Inte Formation ID. Layer:	and Bedroc erval						
Supplier Com Overburden a Materials Inte Formation ID. Layer: Color:	and Bedroc erval :		1				
Supplier Com Overburden a Materials Inte Formation ID. Layer: Color: General Color Mat1:	and Bedroc erval : r:		1 8 BLACK 02				
Supplier Com Overburden a Materials Inte Formation ID. Layer: Color: General Coloo Mat1: Most Commo	and Bedroc erval : r:		1 8 BLACK				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Other Materia	and Bedroc erval : r: n Material:		1 8 BLACK 02				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID: Layer: Color: General Colo Mat1: Most Commo Mat1: Most Commo Mat2: Other Materia Mat3:	and Bedroc rrval : r: n Material: als:		1 8 BLACK 02				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia	and Bedroc rrval : r: n Material: als:		1 8 BLACK 02 TOPSOIL				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To	and Bedroc rrval : r: n Material: als: als: p Depth:		1 8 BLACK 02				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: General Color Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En	and Bedroc rrval : r: n Material: als: als: p Depth: nd Depth:		1 8 BLACK 02 TOPSOIL 0				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: General Color Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En	and Bedroc rrval : r: n Material: als: als: p Depth: nd Depth: nd Depth U(OM:	1 8 BLACK 02 TOPSOIL 0 .3				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation En Formation En Formation ID. Layer:	and Bedroc rrval : r: n Material: als: als: p Depth: nd Depth: nd Depth U(ОМ:	1 8 BLACK 02 TOPSOIL 0 .3 m 1003962322 2				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: General Colo. Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En Formation ID. Layer: Color:	and Bedroc erval : r: n Material: als: als: als: ad Depth: ad Depth: ad Depth Ud :	OM:	1 8 BLACK 02 TOPSOIL 0 .3 m 1003962322 2 6				
Supplier Com <u>Overburden a</u> <u>Materials Inte</u> Formation ID. Layer: Color: Color: General Color Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation En Formation En Formation ID. Layer:	and Bedroc erval : r: n Material: als: als: als: ad Depth: ad Depth: ad Depth Ud :	ОМ:	1 8 BLACK 02 TOPSOIL 0 .3 m 1003962322 2				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Commo Mat2:	on Material:	SAND			
Other Materia		12 STONES			
Mat3:	215.	STONES			
Other Materia	als:				
Formation To		.3			
Formation Er		3			
Formation Er	nd Depth UOM:	m			
Formation ID	:	1003962323			
Layer:		3			
Color:		6			
General Colo	r:	BROWN			
Mat1:		06 CH T			
Most Commo Mat2:	on Material:	SILT 28			
Other Materia	ale	SAND			
Mat3:		12			
Other Materia	als:	STONES			
Formation To		3			
Formation Er		4.5			
Formation Er	nd Depth UOM:	m			
<u>Annular Spaces Sealing Reco</u>	<u>ce/Abandonment</u> ord				
-		4000000004			
Plug ID:		1003962331			
Layer: Plug From:		2 .3			
Plug To:		.5			
Plug Depth U	ЮМ:	m			
Plug ID:		1003962332			
Layer:		3			
Plug From:		1			
Plug To:		4.5			
Plug Depth U	IOM:	m			
Plug ID:		1003962330			
Layer:		1			
Plug From:		0			
Plug To:		.3			
Plug Depth U	IOM:	m			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons	truction ID:	1003962329			
	struction Code:	E			
Method Cons		Auger			
Other Method	d Construction:	C C			
<u>Pipe Informa</u>	tion				
Pipe ID:		1003962320			
Casing No: Comment: Alt Name:		0			
<u>Construction</u>	Record - Casing				
Casing ID:		1003962326			
-					

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Layer: Material: Open Hole or Depth From: Depth To: Casing Diam Casing Diam Casing Depth	eter: eter UOM:		1 5 PLASTIC 0 1.5 5.1 cm m				
Construction	n Record - Se	<u>creen</u>					
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mater Screen Diam Screen Diam	Depth: rial: h UOM: peter UOM:		1003962327 1 10 1.5 4.5 5 m cm 6.4				
Water Details	<u>S</u>						
Water ID: Layer: Kind Code: Kind: Water Found	I Depth:		1003962325				
Water Found	Depth OOM		m				
Hole Diamete	<u>er</u>						
Hole ID: Diameter: Depth From: Depth To: Hole Depth U Hole Diamete	JOM:		1003962324 21 0 4.5 m cm				
<u>13</u>	1 of 1		S/75.9	334.9/-3.72	Guelph ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m), Elevation Rei Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water Flowing (Y/N, Flow Rate: Clear/Cloudy	er Use: Ise: atus: rial: n Method:): liability: drock: Bedrock: Level:)):	7285692 Test Hole Test Hole Z250516 A220009	9		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	4/27/2017 Yes 7320 7 190 ARKELL ST WELLINGTON PUSLINCH TOWNSHIP	

Bore Hole Information

Bore Hole ID: DP2BR:	1006384728	Elevation: Elevrc:	334.82
Spatial Status:		Zone:	17
Code OB:		East83:	565134
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	4818835
Cluster Kind:		UTMRC:	4
Date Completed:	14-FEB-17	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc: Location Source Date:			

Overburden and Bedrock			
Materials Interval			

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Formation ID:	1006690151
Layer:	2
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	2.1
Formation End Depth:	7.6
Formation End Depth UOM:	m
-	
Formation ID:	1006690150
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	28
Most Common Material:	SAND
Mat2:	06
Other Materials:	SILT
Mat3:	11
Other Materials:	GRAVEL

Other Materials:	GR
Formation Top Depth:	0
Formation End Depth:	2.1
Formation End Depth UOM:	m

Annular Space/Abandonment Sealing Record

Plug ID:	1006690158
Layer:	1
Plug From:	0
Plug To:	.3
Plug Depth UOM:	m
Plug ID:	1006690159
Layer:	2
Plug From:	.3
Plug To:	5.7

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug Depth U	IOM:	m			
Plug ID: Layer: Plug From: Plug To: Plug Depth U	IOM:	1006690160 3 5.7 7.6 m			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	truction Code:	1006690157 6 Boring HSA			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		1006690149 0			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole of Depth From: Depth To: Casing Diam Casing Diam Casing Depth	eter: eter UOM:	1006690154 1 5 PLASTIC 7 6.1 5.1 cm m			
Construction	Record - Screen				
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mater Screen Diam Screen Diam	Depth: rial: n UOM: eter UOM:	1006690155 1 10 6.1 7.6 5 m cm 6.1			
Water Details	i				
Water ID: Layer: Kind Code: Kind: Water Found Water Found		1006690153 1 8 Untested 2.1 m			
Hole Diamete	<u>er</u>				
Hole ID: Diameter: Depth From:		1006690152 21 0			
45	erisinfo.com Env	vironmental Risk Info	rmation Service	S	Order No: 20180824203

	Records	-	Distance (m)	. /			
Depth To:			7.6				
Hole Depth L			m				
Hole Diamete	er UOM:		cm				
14	1 of 1		SE/77.6	338.2 / -0.42	lot 6 con 8		
<u> </u>					ON		WWIS
Well ID: Construction	Data	6703602			Data Entry Status: Data Src:	1	
Primary Wate		Domestic			Data Sic. Date Received:	2/10/1970	
Sec. Water U		0			Selected Flag:	Yes	
Final Well St		Water Su	vlac		Abandonment Rec:		
Water Type:					Contractor:	2414	
Casing Mate	rial:				Form Version:	1	
Audit No:					Owner:		
Tag:					Street Name:		
Construction					County:		
Elevation (m					Municipality: Site Info:	PUSLINCH TOWNSHIP	
Elevation Re Depth to Bec					Site info: Lot:	006	
Well Depth:					Concession:	08	
Overburden/	Bedrock:				Concession Name:	CON	
Pump Rate:					Easting NAD83:		
Static Water					Northing NAD83:		
Flowing (Y/N):				Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy	-						
Bore Hole In	formation						
Bore Hole ID	:	10467737	,		Elevation:	337.8	
DP2BR:		83			Elevrc:		
Spatial Statu	s:				Zone:	17	
Code OB:		r Bedrock			East83:	565314.3	
Code OB Des Open Hole:	SC:	Deulock			Org CS: North83:	4818933	
Cluster Kind					UTMRC:	4	
Date Comple		08-JAN-7	0		UTMRC Desc:	margin of error : 30 m - 100 m	
Remarks:					Location Method:	p4	
Elevrc Desc:							
Location Sou		_					
Improvemen	t Location S	Source:					
Improvemen Source Revis							
Supplier Con		em.					
0							
<u>Overburden</u> Materials Inte		<u>n</u>					
Formation ID):		932618626				
Layer:			3				
Color: General Colo			6 BROWN				
Mat1:	<i>n</i> .		15				
Most Commo	on Material:		LIMESTONE				
Mat2:							
Other Materia	als:						
Mat3:							
Other Materia							
Formation To	op Depth:		83				
Formation El Formation El		о <i>м</i> -	124 ft				
i ormauon El		<i>.</i>					

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID):	932618625			
Layer:		2			
Color:					
General Cold	or:	05			
Mat1:		05			
Most Commo	on Material:	CLAY			
Mat2: Other Materia		12 STONES			
Mat3:	ais:	11			
Other Materia	ale	GRAVEL			
Formation To		6			
Formation E	nd Depth:	83			
	nd Depth UOM:	ft			
i onnation Ei	na Depar Com.	it.			
Formation ID):	932618624			
Layer:	-	1			
Color:					
General Colo	or:				
Mat1:		01			
Most Commo	on Material:	FILL			
Mat2:					
Other Materia	als:				
Mat3:					
Other Materia	als:				
Formation To	op Depth:	0			
Formation E	nd Depth:	6			
Formation E	nd Depth UOM:	ft			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	struction ID:	966703602			
	struction Code:	1			
Method Cons		Cable Tool			
Other Metho	d Construction:				
<u>Pipe Informa</u>	tion				
Pipe ID:		11016307			
Casing No:		1			
Comment:		I			
Alt Name:					
Construction	<u>n Record - Casing</u>				
		000700040			
Casing ID:		930760943			
Layer: Motoriol:		1			
Material:	r Motorial	1 STEEI			
Open Hole of	r waterial:	STEEL			
Depth From: Depth To:		86			
Casing Diam	otor:	80 4			
Casing Diam	eter. otor UOM·	inch			
Casing Dept		ft			
Casing ID:		930760944			
Layer:		2			
Material:		4			
Open Hole of	r Material:	OPEN HOLE			
Depth From:		-			
Depth To:		124			
Casing Diam	eter:				
Casing Diam	eter UOM:	inch			
-					

Мар Кеу	Number o Records	of Direction/ Distance (mj	Elev/Diff) (m)	Site		DB
Casing Depth	UOM:	ft				
Results of We	ell Yield Test	ling				
Pump Test ID Pump Set At: Static Level: Final Level A: Recommende Pumping Rate Recommende Levels UOM: Rate UOM: Water State A Pumping Tes	fter Pumping ed Pump Dep e: : ed Pump Rat After Test Coo After Test:	e: 8 ft GPM				
Pumping Dur Pumping Dur Flowing:	ation HR:	1 0 N				
<u>Water Details</u>	i	022056004				
Water ID: Layer: Kind Code: Kind: Water Found Water Found		933956094 1 1 FRESH 120 ft				
<u>15</u>	1 of 1	SSE/82.6	334.8 / -3.81	lot 6 con 8 ON		wwis
Well ID: Construction Primary Wate Sec. Water US Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/H Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy.	Date: er Use: [atus: [datus:] datus:	6702590 Domestic 0 Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 11/9/1962 Yes 2414 1 WELLINGTON GUELPH CITY (PUSLINCH TWP) 006 08 CON	
Bore Hole Inf	ormation					
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole:	s:	10466733 o Overburden		Elevation: Elevrc: Zone: East83: Org CS: North83:	335.98 17 565238.3 4818775	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Improvemen	eted: 24-OCT urce Date: t Location Source: t Location Method: sion Comment:	-62		UTMRC: UTMRC Desc: Location Method:	5 margin of error : 100 m - 300 m p5	
<u>Overburden a</u> <u>Materials Inte</u>	<u>and Bedrock</u> erval					
Formation ID):	932614469				
Layer:		1				
Color:						
General Cold	or:	22				
Mat1: Maat Comm	n Matarial.					
Most Commo Mat2:	on waterial:	PREVIOUSLY DUG				
Other Materia	als:					
Mat3:						
Other Materia	als:					
Formation To	op Depth:	0				
Formation E		9				
Formation E	nd Depth UOM:	ft				
Formation ID).	932614471				
Layer:		3				
Color:		2				
General Colo	or:	GREY				
Mat1:		14				
Most Commo	on Material:	HARDPAN				
Mat2: Other Materia						
Mat3:	d15.					
Other Materia	als:					
Formation To		34				
Formation E	nd Depth:	45				
Formation E	nd Depth UOM:	ft				
Formation ID).	932614470				
Layer:		2				
Color:		6				
General Colo	or:	BROWN				
Mat1:		05				
Most Commo Mat2:	on Material:	CLAY 11				
Other Materia	als	GRAVEL				
Mat3:	ai3.	ORAVEL				
Other Materia	als:					
Formation To	op Depth:	9				
Formation E		34				
Formation E	nd Depth UOM:	ft				
Formation ID):	932614473				
Layer:		5				
Color:						
General Cold	or:					
Mat1:		11				
Most Commo	on Material:	GRAVEL				
Mat2: Other Materia	ale					
Other Materia Mat3:	a13.					
	als:					
Other Materia	als:					

Color: Battine 08 Mattine 08 Most Common Material: FINE SAND Matz: 11 Matz: 11 Other Materials: GRAVEL Matz: 41 Other Materials: GRAVEL Matz: 45 Construction Top Depth: 58 Formation End Depth UOM: 1 Method of Construction & Well 1 Use 66702590 Method Construction Code: 1 Method Construction Code: 1 Other Method Construction: 2066702590 Method Construction: 2066702590 Method Construction: 2066702590 Method Construction: 2066702590 Method Construction: 20617001 Other Method Construction: 20617001 Other Method Construction: 20617001 Other Method Construction: 1001 Construction Record - Casing 2001 Construction Record - Casing 2001 Casing DianeteriA 1	Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:4General Color:BGeneral Color:BMati:BBMost Common Material:FINE SANDMat:HOther Materials:GBDamber Materials:GBFormation Top Depth:A5Formation Top Depth:BFormation Top Depth:BFormation Top Depth:BFormation Top Depth:CMethod Construction ID:BWethod Construction Code:1Method Construction Code:Cable ToolOther Method Construction:Cable ToolDepth Formation:Cable ToolConstruction Record - CasingSConstruction Record - CasingSCasing Diameter:SCasing Diam	Formation E	nd Depth:	65			
General Color: 08 Mat: 08 Most Common Meterial: FINE SAND Mat: GRAVEL Mat: GRAVEL Mat: GRAVEL Mat: GRAVEL Mat: General Materials: Cher Materials: GRAVEL Formation End Depth: 45 Formation End Depth: 58 Formation End Depth: 58 Method Construction AC: 966702590 Method Construction: Cable Tool Other Method Construction: 1 At Name: Casing ID: Scassruction Record - Casing General Cable Tool Open Hole or Material: TEL Deph Form: 2 Metaid: STEEL Deph Form: 6 Casing Dimeter: 4 Casing Dimeter: 5 Casing Dimeter: 5	Formation ID Layer:):				
Mat1: 08 Mos1 Common Miserials: FINE SAND Mat2: 11 Mat2: GRAVEL Mat3:						
Most Common Materia: FINE SAND Mat2: 11 Other Materials: GRAVEL Mat3: Other Materials: GRAVEL Mat5: Somation End Depth: 55 Formation End Depth: 55 Formation End Depth: 55 Formation End Depth: 00 Method Construction & 966702590 Method Construction Code 1 Method Construction Code 1 New Construction Record - Casing Construction Record - Ca		or:	08			
Other Materials:GRAVELMaterials:-Formation Dopbrit:53Formation End Depth:53Formation End Depth:1Method of Construction & WellItMethod Construction Code:1Method Construction ID:966702590Method Construction:Cable ToolOther Method Construction:Cable ToolOther Method Construction:Cable ToolPipe InformationCable ToolPipe Information1Pipe Information1Construction Record - Casing Comment:1Construction Record - Casing Comment:930759062Layer:2Material:1Depth from:50052Depth from:930759062Layer:1Casing Diameter:4Casing Diameter:4Casing Diameter:930759062Layer:1Depth from:1Depth from		on Material:				
Maria: Second and a second a	Mat2:	-1				
Other Materials:53Formation End Depth:53Formation End Depth (UM:1Method Construction & Well, Use1Method Construction ID:966702590Method Construction Code:1Method Construction:Cable ToolOther Method Construction:Cable ToolOther Method Construction:Cable ToolOther Method Construction:Cable ToolPipe Information11015303Construction Record - Casing Comment:11015303Construction Record - Casing Comment:930759062Layer:2Material:1Open Hole on Material:STEELDepth Fron:60Casing JDameter:4Casing JDameter:4Casing JDameter:1Advitation:1Experiment Comment:1Depth Fron:1Depth Fron: <t< td=""><td></td><td>ais:</td><td>GRAVEL</td><td></td><td></td><td></td></t<>		ais:	GRAVEL			
Formation End Depth UOM: 68 Formation End Depth UOM: 1 Method of Construction ID: 966702590 Method Construction ID: 966702590 Method Construction: Cabie Tool Wethod Construction: Cabie Tool Wethod Construction: Cabie Tool Pipe ID: 11015303 Casing No: 1 At Name: Satter Sa		als:				
Formation End Depth UOM: ft Method of Construction 8. Well se Wethod Construction 1D: 966702590 Method Construction: Cable Tool Other Method Construction: Cable Tool Other Method Construction: Cable Tool Pipe Information Pipe Information Pipe Information 11015030 Cassing No: 1 Comment: Ant Name: Construction Record - Casing Solor59062 Layer: 2 Method Construction: Solor59062 Casing No: 10 Open Hole or Material: 1 Open Hole or Material: 1 Open Hole or Material: 60 Casing Diameter: 60 Casing Diameter: 60 Casing Diameter: 61 Casing Diameter: 62 Casing Diameter: 62 Casing Diameter: 63 Casing Diameter:						
Use Method Construction ID: 96702590 Method Construction: Cable Tool Other Method Construction: Cable Tool Pipe ID: Cable Tool Pipe ID: 11015303 Casing No: 1 Comment: 1 Att Name: 1 Construction Record - Casing 1 Construction Record - Casing 930759062 Layer: 2 Material: 1 Open Hole or Material: STEEL Depth From: 60 Casing ID: 4 Casing ID: 1 Casing ID: 1 Casing ID: 60 Casing ID: 1 Casing Depth UOM: 1 Casing Depth UOM: 1						
Method Construction: Cable Tool Other Method Construction: Cable Tool Pipe Information I1015303 Cassing No: 1 Comment: A Att Name: Intervention Construction Record - Casing Intervention Casing JD: 930759062 Layer: 2 Advance Intervention Depth Form: Intervention Casing Diameter: 4 Casing Diameter: 4 Casing Diameter: Intervention Casing Diameter: 4 Casing Diameter: Intervention Casing Diameter: Intervention Casing Diameter: Intervention Casing Diameter: Intervention Casing Diameter/UOM: Intervention <	<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Construction: Cable Tool Other Method Construction: Cable Tool Pipe Information I Pipe ID: 1 Comment: 1 Comment: 1 Alt Name: I Construction Record - Casing I Casing ID: 930759062 Layer: 2 Material: 1 Open Hole or Material: STEEL Depth Fron: 60 Casing ID: 930759061 Layer: 4 Casing Diameter UOM: inch	Method Cons	struction ID:	966702590			
Other Method Construction: Pipe ID: 11015303 Cassing No: 1 Comment:						
Pipe ID:11015303Casing No:1Comment:1Alt Name:1Construction Record - Casing930759062Layer:2Material:1Open Hole or Material:STEELDepth From:60Casing Diameter:4Casing Diameter:4Casing Diameter:4Casing Diameter:930759061Layer:1Material:1Open Hole or Material:930759061Layer:1Material:1Open Hole or Material:930759061Layer:1Material:1Open Hole or Material:5Casing Diameter UOM:inchCasing Diameter:5Casing Diameter:5Casing Diameter:6Casing Diameter:5Casing Diameter:5Casing Diameter:5Casing Diameter:1Casing Diameter:5Casing Diameter:5Casing Diameter:5Casing Diameter:1Casing Diameter:5Casing Diameter:5Casing Diameter:5Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Diameter:			Cable 1001			
Casing No: 1 Comment: Alt Name: Att Name:	<u>Pipe Informa</u>	<u>tion</u>				
Construction Record - Casing Alt Name: Casing ID: 930759062 Layor: 2 Material: 1 Open Hole or Material: STEEL Depth From: 60 Casing Diameter: 4 Casing Diameter: 4 Casing Diameter: 4 Casing Diameter: 1 Casing Depth UOM: tt Casing Depth VOM: t Casing Diameter: C Depth From: 5 Casing Diameter: C Depth From: 5 Casing Diameter: C C Casing Diameter: C C Casing Diameter: C C C Casing Diameter: C	Pipe ID:		11015303			
Alt Name: Construction Record - Casing Casing ID: 930759062 Layer: 2 Material: 1 Open Hole or Material: STEEL Depth From: 60 Casing Diameter: 4 Casing Diameter: 930759061 Layer: 1 Material: 930759061 Layer: 1 Open Hole or Material: 5 Depth From: Depth From: Depth From: 5 Casing Diameter: 5 Casing Diameter: </td <td>Casing No:</td> <td></td> <td>1</td> <td></td> <td></td> <td></td>	Casing No:		1			
Casing ID: 930759062 Layer: 2 Material: 1 Open Hole or Material: STEEL Depth From: 60 Casing Diameter: 4 Casing Diameter: 930759061 Layer: 1 Material: - Open Hole or Material: - Depth From: - Casing Diameter:	Comment: Alt Name:					
Layer:2Material:1Open Hole or Material:STEELDepth From:	<u>Construction</u>	Record - Casing				
Material:1Open Hole or Material:STEEL.Depth From:-Depth To:60Casing Diameter:4Casing Diameter UOM:inchCasing Depth UOM:tt-Casing ID:930759061Layer:1Material:-Open Hole or Material:-Depth From:-Depth From:-Depth To:5Casing Diameter: UOM:inchCasing Diameter:-Casing Diameter: UOM:inchCasing Diameter: UOM:thCasing Diameter: UOM:thCasing Diameter: UOM:inchCasing Diameter: UOM:thCasing Depth UOM:thTable: Vield Testing996702590Pump Set At:thStatic Level:16Final Level After Pumping:20	Casing ID:		930759062			
Open Hole or Material:STEELDepth From:IDepth To:60Casing Diameter:4Casing Diameter UOM:inchCasing Depth UOM:tCasing Depth UOM:1Casing Diameter UOM:930759061Layer:1Open Hole or Material:Open Hole or Material:Opent Hole or Material:Depth From:EDepth From:Casing Diameter:Casing Depth UOM:ItCasing Depth UOM:ItItItItItItItItItIt <tr< td=""><td>Layer:</td><td></td><td></td><td></td><td></td><td></td></tr<>	Layer:					
Depth From:0Depth To:60Casing Diameter UOM:inchCasing Jiameter UOM:inchCasing JD:930759061Layer:1Material:930759061Open Hole or Material:930759061Depth From:5Depth From:5Casing Diameter UOM:inchCasing Diameter:5Casing Diameter:6Casing Diameter:5Casing Diameter:6Casing Diameter:6Casing Depth UOM:ftPump Test ID:996702590Pump Set At:16Static Level:16Final Level After Pumping:20		r Material:				
Casing Diameter:4Casing Diameter UOM:inchCasing Depth UOM:ftCasing ID:930759061Layer:1Material:930759061Open Hole or Material:930759061Depth From:930759061Casing Diameter:5Casing Diameter:5Casing Diameter:6Casing Diameter: UOM:inchCasing Diameter:6Pump Test ID:996702590Pump Set At:16Static Level:16Final Level After Pumping:20	Depth From:		0			
Casing Diameter UOM:inch ftCasing Depth UOM:inchCasing ID:930759061Layer:1Material:9Open Hole or Material:5Depth From:5Casing Diameter:5Casing Diameter:5Casing Diameter:1Casing Diameter:1Casing Diameter:9Casing Diameter:5Casing Diameter:1Casing Diameter:1Casing Diameter:1Casing Depth UOM:1The diameter:1Casing Depth UOM:1Static Level:996702590Pump Set At:16Final Level After Pumping:20		- 4				
Casing Depth UOM:ftCasing ID:930759061Layer:1Material:1Open Hole or Material:5Depth From:5Casing Diameter:5Casing Diameter:5Casing Diameter UOM:inchCasing Depth UOM:ftPump Test ID:Pump Test ID:996702590Pump Set At:16Static Level:16Static Level:20	Casing Diam Casing Diam	eter: eter UOM:				
Layer:1Material:-Open Hole or Material:-Depth From:-Depth To:5Casing Diameter:-Casing Diameter UOM:inchCasing Depth UOM:ftResults of Well Yield TestingPump Test ID:996702590Pump Set At:-Static Level:16Final Level After Pumping:20			ft			
Layer:1Material:-Open Hole or Material:-Depth From:-Depth To:5Casing Diameter:-Casing Diameter UOM:inchCasing Depth UOM:ftResults of Well Yield TestingPump Test ID:996702590Pump Set At:-Static Level:16Final Level After Pumping:20	Casina ID:		030750061			
Material:Open Hole or Material:Depth From:Depth To:5Casing Diameter:Casing Diameter UOM:inchCasing Depth UOM:ttResults of Well Yield TestingPump Test ID:996702590Pump Set At:16Static Level:16Final Level After Pumping:20						
Depth From: 5 Depth To: 5 Casing Diameter: inch Casing Diameter UOM: inch Casing Depth UOM: ft Results of Well Yield Testing Pump Test ID: 996702590 Pump Set At: 5 Static Level: 16 Final Level After Pumping: 20	Material:					
Depth To: 5 Casing Diameter: inch Casing Diameter UOM: inch Casing Depth UOM: ft Results of Well Yield Testing Pump Test ID: 996702590 Pump Set At: 5 Static Level: 16 Final Level After Pumping: 20						
Casing Diameter: inch Casing Diameter UOM: inch Casing Depth UOM: ft Results of Well Yield Testing 996702590 Pump Test ID: 996702590 Pump Set At: 5 Static Level: 16 Final Level After Pumping: 20			5			
Casing Depth UOM: ft Results of Well Yield Testing Pump Test ID: 996702590 Pump Set At: Static Level: 16 Final Level After Pumping: 20	Casing Diam					
Pump Test ID:996702590Pump Set At:9Static Level:16Final Level After Pumping:20	Casing Diam Casing Dept	eter UOM: h UOM:				
Pump Set At: Static Level: 16 Final Level After Pumping: 20	<u>Results of W</u>	ell Yield Testing				
Pump Set At: Static Level: 16 Final Level After Pumping: 20	Pump Test IL	D:	996702590			
Final Level After Pumping: 20	Pump Set At	:				

Pumping Rate: 10 Flowing Rate: 10 Recommended Pump Rate: 8 Levels UOM: ft Rate UOM: GPM Water State After Test Code: 1 Water State After Test: CLEAR Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: N Water Details Vater ID: Water: 1 Water Found Depth: 65 Water Found Depth: 65 Water Found Depth UOM: tt	Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Recommended Pump Rate:8Levels UOM:ftRate UOM:GPMWater State After Test Code:1Water State After Test:CLEARPumping Test Method:1Pumping Duration HR:2Pumping Duration MIN:0Flowing:NWater DetailsWater ID:933954930Layer:1Kind:FRESHWater Found Depth:65Water Found Depth:65Water Found Depth:65			10			
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 Vater ID: Water ID: 933954930 Layer: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth: 65 Water Found Depth UOM: t			8			
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 N Water ID: 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft	Levels UOM:		ft			
Water State After Test: CLEAR Pumping Test Method: 1 Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: N Water Details Vater Details Water ID: 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: tt	Rate UOM:		GPM			
Pumping Test Method: 1 Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: N Water Details N Water ID: 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: t	Water State	After Test Code:	1			
Pumping Duration HR: 2 Pumping Duration MIN: 0 Flowing: N Water Details 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft	Water State	After Test:	CLEAR			
Pumping Duration MIN: 0 Flowing: N Water Details Vater ID: Water ID: 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft	Pumping Tes	st Method:	1			
Pumping Duration MIN: 0 Flowing: N Water Details 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft	Pumping Du	ration HR:	2			
Water Details Water ID: 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8/-3.81			0			
Water ID: 933954930 Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8/-3.81	Flowing:		Ν			
Layer: 1 Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8/-3.81	Water Details	<u>s</u>				
Kind Code: 1 Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8 / -3.81	Water ID:		933954930			
Kind: FRESH Water Found Depth: 65 Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8 / -3.81 W////	Layer:		1			
Water Found Depth: 65 Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8 / -3.81 W/W	Kind Code:		1			
Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8 / -3.81	Kind:		FRESH			
Water Found Depth UOM: ft 16 1 of 1 SSE/88.4 334.8 / -3.81	Water Found	I Depth:	65			
			ft			
	<u>16</u>	1 of 1	SSE/88.4	334.8 / -3.81	Guelph ON	WWIS

		Gueiph ON	
Well ID: Construction Date:	7285693	Data Entry Status: Data Src:	
	Test Hole	Data Site. Date Received:	4/27/2017
Primary Water Use:	Test Hole		
Sec. Water Use:	Testilit	Selected Flag:	Yes
Final Well Status:	Test Hole	Abandonment Rec:	
Water Type:		Contractor:	7320
Casing Material:		Form Version:	7
Audit No:	Z250515	Owner:	
Tag:	A220008	Street Name:	190 ARKELL ST
Construction Method:		County:	WELLINGTON
Elevation (m):		Municipality:	PUSLINCH TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		e nii Konabiityi	
Bore Hole Information			

Bore Hole ID: DP2BR:	1006384731	Elevation: Elevrc:	335.68
Spatial Status:		Zone:	17
Code OB:		East83:	565221
Code OB Desc:		Org CS:	UTM83
Open Hole:		North83:	4818783
Cluster Kind:		UTMRC:	4
Date Completed:	14-FEB-17	UTMRC Desc:	margin of error : 30 m - 100 m
Remarks:		Location Method:	wwr
Elevrc Desc: Location Source Date:			

Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Overburden a</u> <u>Materials Inte</u>					
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En	:: n Material: ls: ls: p Depth:	1006690235 1 6 BROWN 28 SAND 11 GRAVEL 77 LOOSE 0 3.1 m			
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En	:: n Material: ls: ls: p Depth:	1006690236 2 6 BROWN 28 SAND 11 GRAVEL 3.1 7.6 m			
<u>Annular Spac</u> Sealing Reco	<u>e/Abandonment</u> r <u>d</u>				
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ОМ:	1006690245 3 5.7 7.6 m			
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ОМ:	1006690244 2 .3 5.7 m			
Plug ID: Layer: Plug From: Plug To: Plug Depth U	ОМ:	1006690243 1 0 .3 m			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons	truction Code:	1006690242 6 Boring HSA			

Pipe Information

_

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe ID: Casing No: Comment: Alt Name:		1006690234 0			
<u>Constructior</u>	n Record - Casing				
Casing ID: Layer: Material:		1006690239 1 5			

material.	0
Open Hole or Material:	PLASTIC
Depth From:	7
Depth To:	6.1
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1006690240
Layer:	1
Slot:	10
Screen Top Depth:	6.1
Screen End Depth:	7.6
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.1

Water Details

Water ID:	1006690238
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	3.1
Water Found Depth UOM:	m

Hole Diameter

Hole ID: Diameter: Depth From:	1006690237 21 0
Depth To:	7.6
Hole Depth UOM:	m
Hole Diameter UOM:	cm

<u>17</u> 1 of 1	SE	/97.9	337.9 / -0.72	lot 6 con 8 GUELPH ON		wwis
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability:	7211048 0 Z172130			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info:	11/8/2013 Yes 2663 7 246 ARKELL RD WELLINGTON PUSLINCH TOWNSHIP	

	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Depth to Bedr	ock:			Lot:	006	
Well Depth:				Concession:	08	
Overburden/B	ledrock:			Concession Name:	CON	
Pump Rate:				Easting NAD83:		
Static Water L	.evel:			Northing NAD83:		
Flowing (Y/N):				Zone:		
Flow Rate:				UTM Reliability:		
Clear/Cloudy:				o nii Kenabinty.		
Bore Hole Info	ormation					
Bore Hole ID:	1004630	819		Elevation:	337.67	
DP2BR:				Elevrc:		
Spatial Status	:			Zone:	17	
Code OB:				East83:	565360	
Code OB Dese	c:			Org CS:	UTM83	
Open Hole:				North83:	4818738	
Cluster Kind:				UTMRC:	4	
Date Complete	ed: 23-AUG-	-13		UTMRC Desc:	margin of error : 30 m - 100 m	
Remarks:	20700			Location Method:	wwr	
Elevrc Desc:				Location method.		
Location Sour	rce Date:					
	Location Source:					
	Location Method: ion Comment:					
Supplier Com	ment.					
Annular Space Sealing Recor	<u>e/Abandonment</u> r <u>d</u>					
Plug ID:		1004889960				
Lovor		1				
Layer.						
		0				
Plug From:						
Layer: Plug From: Plug To: Plug Depth U0	OM:	0 6 ft				
Plug From: Plug To: Plug Depth U(ОМ:	6 ft				
Plug From: Plug To: Plug Depth U(Plug ID:	ОМ:	6 ft 1004889961				
Plug From: Plug To: Plug Depth U(Plug ID: Layer:	ОМ:	6 ft 1004889961 2				
Plug From: Plug To: Plug Depth U(Plug ID: Layer: Plug From:	ЭМ:	6 ft 1004889961				
Plug From: Plug To: Plug Depth UC Plug ID: Layer: Plug From: Plug To:		6 ft 1004889961 2				
Plug From: Plug To: Plug Depth U(Plug ID: Layer: Plug From: Plug To: Plug Depth U(ОМ:	6 ft 1004889961 2 -6				
Plug From: Plug To: Plug Depth U(Plug ID: Layer: Plug From: Plug To: Plug Depth U(<u>Method of Con</u>		6 ft 1004889961 2 -6				
Plug From: Plug To: Plug Depth U(Plug ID: Layer: Plug From: Plug To: Plug Depth U(OM: nstruction & Well	6 ft 1004889961 2 -6				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const	OM: nstruction & Well	6 ft 1004889961 2 -6 ft				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const	OM: <u>nstruction & Well</u> truction ID: truction Code:	6 ft 1004889961 2 -6 ft				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Method Const	OM: <u>nstruction & Well</u> truction ID: truction Code:	6 ft 1004889961 2 -6 ft				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Other Method	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Method Const Other Method <u>Pipe Informati</u>	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Other Method Pipe Informati	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug From: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Other Method Pipe Informati Pipe ID: Casing No:	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Method Const	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug From: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Method Const Other Method Pipe Informati Pipe ID: Casing No: Comment: Alt Name:	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug From: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Method Const Other Method Pipe Informati Pipe ID: Casing No: Comment: Alt Name: <u>Construction</u>	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959 1004889953 0				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug To: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Method Const Other Method Pipe Informati Pipe ID: Casing No: Comment: Alt Name: Construction	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959				
Plug From: Plug To: Plug Depth UC Layer: Plug From: Plug From: Plug Depth UC <u>Method of Con</u> <u>Use</u> Method Const Method Const Other Method Pipe Informati Pipe ID: Casing No: Comment: Alt Name: <u>Construction</u>	DM: <u>nstruction & Well</u> truction ID: truction Code: truction: Construction:	6 ft 1004889961 2 -6 ft 1004889959 1004889953 0				

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Open Hole or Depth From: Depth To: Casing Diam Casing Diam Casing Depth	eter: eter UOM:		inch ft				
Construction	n Record - S	<u>creen</u>					
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mater	Depth:		1004889958				
Screen Depti Screen Diam Screen Diam	h UOM: eter UOM:		ft inch				
Water Details	5						
Water ID: Layer: Kind Code: Kind:			1004889956				
Water Found Water Found		1:	ft				
Hole Diamete	<u>er</u>						
Hole ID: Diameter: Depth From:			1004889955				
Depth To: Hole Depth U Hole Diamete			ft inch				
<u>18</u>	1 of 1		ESE/101.3	339.9 / 1.28	GUELPH ON		WWIS
Well ID: Construction Primary Wate Sec. Water U	er Use: lse:	7163099			Data Entry Status: Data Src: Date Received: Selected Flag:	5/13/2011 Yes	
Final Well Sta Water Type: Casing Mater Audit No:		Test Hole			Abandonment Rec: Contractor: Form Version: Owner:	7238 7	
Tag: Construction Elevation (m) Elevation Re Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water): liability: lrock: Bedrock: Level:	A109401			Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83:	246 ARKELL RD WELLINGTON GUELPH CITY	
Flowing (Y/N) Flow Rate: Clear/Cloudy	-				Zone: UTM Reliability:		

Bore Hole Information

• •	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
	d: 25-APR			Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC: UTMRC Desc: Location Method:	338.91 17 565336 UTM83 4818945 3 margin of error : 10 - 30 m wwr	
Source Revision Supplier Comm	n Comment:					
<u>Overburden and</u> <u>Materials Interv</u>						
Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Other Materials Mat3: Other Materials Formation Top Formation End Formation End Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2:	: Depth: Depth: Depth UOM:	1003821494 1 6 BROWN 13 BOULDERS 11 GRAVEL 73 HARD 0 3.05 m 1003821495 2 6 BROWN 05 CLAY 11				
Mat2: Other Materials Mat3: Other Materials Formation Top Formation End Formation End <u>Annular Space/</u> Sealing Record	: Depth: Depth: Depth UOM: (Abandonment)	GRAVEL 73 HARD 3.05 6.1 m				
Plug ID: Layer: Plug From: Plug To: Plug Depth UOI		1003821502 1 0 2.44 m				
<u>Method of Cons</u> <u>Use</u>	struction & Well					
Method Constru Method Constru Method Constru	uction Code:	1003821500 E Auger				

Other Method Construction:

Pipe Information

Pipe ID:	1003821493
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1003821498 1
Layer: Material:	5
Open Hole or Material: Depth From:	PLASTIC 0
Depth To:	3.05
Casing Diameter:	5.1
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	1003821499
Layer:	1
Slot:	10
Screen Top Depth:	3.05
Screen End Depth:	6.1
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	6.4

Water Details

Water ID:	1003821497
Layer:	
Kind Code:	
Kind:	
Water Found Depth:	
Water Found Depth UOM:	m

Hole Diameter

Hole ID: Diameter: Depth From: Depth To: Hole Depth UOM:	1003821496 21 0 6.1 m		
Hole Diameter UOM:	cm		

<u>19</u> 1 of 1	NNE/118.5	334.8 / -3.77	lot 5 con 8 ON		WWIS
Well ID:	6702582		Data Entry Status:		
Construction Date:			Data Src:	1	
Primary Water Use:	Livestock		Date Received:	10/21/1966	
Sec. Water Use:	Domestic		Selected Flag:	Yes	
Final Well Status:	Water Supply		Abandonment Rec:		
Water Type:			Contractor:	2414	
Casing Material:			Form Version:	1	

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Audit No:				Owner:		
Tag:				Street Name:		
Construction	Method:			County:	WELLINGTON	
Elevation (m)				Municipality:	PUSLINCH TOWNSHIP	
Elevation Reli				Site Info:		
Depth to Bedi				Lot:	005	
Well Depth:	OCA.			Concession:	08	
	Podrock			Concession Name:	CON	
Overburden/E	searock:				CON	
Pump Rate:				Easting NAD83:		
Static Water L				Northing NAD83:		
Flowing (Y/N)	:			Zone:		
Flow Rate:				UTM Reliability:		
Clear/Cloudy:						
Bore Hole Infe	ormation					
Bore Hole ID:	104	166725		Elevation:	335.15	
DP2BR:	57			Elevrc:		
Spatial Status	-			Zone:	17	
Code OB:	r.			East83:	565198.3	
Code OB Des		drock		Org CS:	000100.0	
	C. Dec	LIOCK		North83:	4819368	
Open Hole:						
Cluster Kind:		007.00		UTMRC:	5	
Date Complet	ea: 07-	OCT-66		UTMRC Desc:	margin of error : 100 m - 300 m	
Remarks:				Location Method:	p5	
Elevrc Desc:	_					
Location Sou						
Improvement	Location Sourd Location Metho ion Comment: ment:					
Overburden a Materials Inte						
Formation ID:	,	932614431				
Layer:		2				
Color:		6				
General Color	r:	BROWN				
Mat1:		05				
Most Commo	n Material:	CLAY				
Mat2:		11				
Other Materia	ls [.]	GRAVEL				
Mat3:		CIVILE				
Mats. Other Materia	le ·					
		36				
Formation To		57				
Formation En	d Depth: d Depth UOM:	57 ft				
Formation ID:		932614434				
Layer:		5				
Color:		2				
General Color	r:	GREY				
Mat1:		15				
Most Commo	n Material:	LIMESTONE				
Mat2: Other Materia	le:					
Other Materia Mat3:	15.					
Other Materia	ls:					
Formation To		135				
Formation En		150				
	d Depth UOM:	ft				
Formation ID:		932614433				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		4			
Color: General Colo	. .	8 BLACK			
Mat1:	1.	15			
Most Commo	n Material:	LIMESTONE			
Mat2:	in matorian				
Other Materia	als:				
Mat3:					
Other Materia					
Formation To		98			
Formation En		135			
Formation En	nd Depth UOM:	ft			
Formation ID	:	932614430			
Layer:		1			
Color:					
General Colo	r:				
Mat1:		23			
Most Commo	n Material:	PREVIOUSLY DUG			
Mat2: Other Materia					
Other Materia Mat3:	115.				
Other Materia	ale.				
Formation To		0			
Formation Er		36			
	nd Depth UOM:	ft			
Formation ID		932614432			
Layer:		3			
Color:		6			
General Colo	r:	BROWN			
Mat1:		15			
Most Commo	n Material:	LIMESTONE			
Mat2:					
Other Materia Mat3:	als:				
Other Materia	ale.				
Formation To		57			
Formation En	nd Depth:	98			
	nd Depth UOM:	ft			
	onstruction & Well				
<u>Use</u>					
Method Cons		966702582			
	truction Code:	1			
Method Cons Other Method	truction: Construction:	Cable Tool			
<u>Pipe Informat</u>	tion				
Bine ID-		11015205			
Pipe ID: Casing No:		11015295 1			
Comment:		I			
Alt Name:					
<u>Construction</u>	Record - Casing				
Casing ID:		930759046			
Layer:		2			
Material:		1			
Open Hole or	Material:	STEEL			
Depth From:					

Мар Кеу	Number Record		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth To:			65				
Casing Diam			5				
Casing Diam Casing Dept			inch ft				
Casing ID:			930759045				
Layer:			1				
Material:							
Open Hole o Depth From:							
Depth To:			6				
Casing Diam	eter:						
Casing Diam Casing Dept			inch ft				
Casing ID:			930759047				
Layer:			3				
Material:			4				
Open Hole o Depth From:			OPEN HOLE				
Depth To:			150				
Casing Diam			5				
Casing Diam			inch				
Casing Dept	h UOM:		ft				
<u>Results of W</u>	/ell Yield Te	sting					
Pump Test II Pump Set At			996702582				
Static Level:			32				
Final Level A	After Pumpi	ng:	70				
Recommend	led Pump D		50				
Pumping Ra Flowing Rate			15				
Recommend		ate [.]	15				
Levels UOM			ft				
Rate UOM:			GPM				
Water State		Code:	1				
Water State			CLEAR				
Pumping Tes			1				
Pumping Du			1				
Pumping Du	ration MIN:		30 N				
Flowing:			IN .				
Water Detail	<u>s</u>						
Water ID:			933954922				
Layer:			1				
Kind Code:			1				
Kind:			FRESH				
Water Found			145				
Water Found	I Depth UOI	И:	ft				
<u>20</u>	1 of 2		ESE/138.8	342.6 / 3.99	14 AMOS DR, GUELP ON	Н	PINC
Incident ID:					Health Impact:		
Incident No:		1602706			Environment Impact:		
Type:			line Incident		Property Damage:	No	
Status Code		Pipeline	Damage Reason Est		Service Interupt:	X	
Fuel Occurre	ence Tp:				Enforce Policy:	Yes	
Fuel Type: Tank Status:		RC Esta	blished		Public Relation:		
Tank Status:			DISTRU		Pipeline System:		

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE	
Task No:		5415812			Depth:			
Spills Action					Pipe Material:			
Method Deta		E-mail			PSIG:			
Fuel Catego	•	Natural Gas			Attribute Category:	FS-Perform P-line Inc Invest		
Date of Occ		/ / _	_		Regualtor Location:			
Occurrence	Start	2015/03/2	5					
Date:	_							
Operation T								
Pipeline Typ								
Regulator T	ype:							
Summary:			14 AMOS DR, GU		HII - 1/2"			
Reported By	y:		Jeremy Miller - UN	ION GAS				
Affiliation:	_							
Occurrence								
Damage Rea	ason:		Excavation practic	es not sufficient				
Votes:								
20	2 of 2		ESE/138.8	242 6 / 2 00	Union Gas Limited			
20	2012		ESE/130.0	342.6 / 3.99			SPL	
					14 Amos Dr Guolph ON			
					Guelph ON			
Ref No:		2642-9UV	'PW3		Discharger Report:			
Site No:		NA			Material Group:			
ncident Dt:		3/23/2015			Client Type:			
Year:					Sector Type:			
ncident Ca	use:	Leak/Brea	ık		Source Type:			
ncident Eve		200.02100			Nearest Watercourse:			
Contaminan		35			Site Name:	Residential <unofficial></unofficial>		
Contaminan			GAS (METHANE))	Site Address:	14 Amos Dr		
Contaminan			(Site District Office:			
Contam Lim					Site County/District:			
Contaminan	•				Site Postal Code:			
Contaminan		0 other - s	ee incident descrip	ntion	Site Region:			
Environmen	•	o other o			Site Municipality:	Guelph		
Nature of Im	-	Air			Site Lot:	Odelph		
Receiving N	•	7311			Site Conc:			
Receiving N								
Health/Env					Northing: Easting:			
MOE Respo	•	Ν			Site Geo Ref Accu:			
Dt MOE Respo		IN .			Site Geo Ref Meth:			
		3/23/2015						
MOE Report Dt Documer		0/20/2010			Site Map Datum:			
Agency Invo								
0 2			TSSA - Fuel Safet	Rranch - Hydrocc	arbon Fuel Release/Snill			
SAC Action Class: Incident Reason:		TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill Operator/Human Error						
Incident Sui					on going- Should be done by	14:00		
<u>21</u>	1 of 1		SSE/143.3	334.8 / -3.75	lot 6 con 8 ON		wwis	
Well ID:		6703579			Data Entry Status:			
Constructio	n Date:				Data Src:	1		

Well ID: Construction Date:	6703579	Data Entry Status: Data Src:	1
Primary Water Use:	Domestic	Date Received:	10/22/1969
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2414
Casing Material:		Form Version:	1
Audit No:		Owner:	
Tag:		Street Name:	
Construction Method:		County:	WELLINGTON
Elevation (m):		Municipality:	PUSLINCH TOWNSHIP
Elevation Reliability:		Site Info:	

Order No: 20180824203

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Depth to Bedi Well Depth: Overburden/E Pump Rate: Static Water L Flowing (Y/N) Flow Rate: Clear/Cloudy:	Bedrock: Level: I:				Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	006 08 CON	
Bore Hole Infe	ormation						
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des	5:	10467714 70 r Bedrock			Elevation: Elevrc: Zone: East83: Org CS:	335.74 17 565194.3	
Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc:		27-SEP-6	9		North83: UTMRC: UTMRC Desc: Location Method:	4818733 4 margin of error : 30 m - 100 m p4	
Location Sou Improvement Improvement Source Revis Supplier Com	Location S Location I ion Comm	lethod:					
<u>Overburden a</u> <u>Materials Inte</u>		<u>k</u>					
Formation ID: Layer: Color: General Color Mat1:			932618536 6 6 BROWN 26				
Most Commo Mat2: Other Materia Mat3: Other Materia	nls: nls:		ROCK 70				
Formation To Formation En Formation En	d Depth:		93 ft				
Formation ID: Layer: Color: General Color Mat1: Most Commo Mat2: Other Materia Mat3:	r: n Material: Ils:		932618535 5 6 BROWN 05 CLAY 11 GRAVEL				
Other Materia Formation To Formation En Formation En	p Depth: d Depth:		55 70 ft				
Formation ID: Layer: Color: General Coloi			932618531 1				
Mat1: Most Commo			23 PREVIOUSLY DUG	i			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat2:	-				
Other Materi Mat3:	als:				
Mats: Other Materi	ale				
Formation Te		0			
Formation E		9			
	nd Depth UOM:	ft			
Formation ID):	932618533			
Layer:		3			
Color:		6			
General Colo	or:	BROWN			
Mat1:		09			
Most Commo	on Material:	MEDIUM SAND			
Mat2: Other Materi					
Mat3:	ais.				
Other Materi	als:				
Formation To		15			
Formation E	nd Depth:	25			
Formation E	nd Depth UOM:	ft			
Formation ID);	932618532			
Layer:		2			
Color:		6			
General Cold	or:	BROWN			
Mat1:		05			
Most Commo	on Material:	CLAY 12			
Mat2: Other Materi	ale	STONES			
Mat3:	ai3.	OTONEO			
Other Materi	als:				
Formation To		9			
Formation E	nd Depth:	15			
Formation E	nd Depth UOM:	ft			
Formation ID):	932618534			
Layer:		4			
Color:		6			
General Cold	or:	BROWN			
Mat1:		05			
Most Commo	on Material:	CLAY 09			
Mat2: Other Materi	ale	MEDIUM SAND			
Mat3:	ais.	11			
Other Materi	als:	GRAVEL			
Formation To	op Depth:	25			
Formation E	nd Depth:	55			
Formation E	nd Depth UOM:	ft			
	onstruction & Well				
<u>Use</u>					
Method Con	struction ID:	966703579			
	struction Code:	1			
Method Cons		Cable Tool			
Other Metho	d Construction:				
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		11016284			
Casing No:		1			
Comment:					
Alt Name:					

Construction Record - Casing

Casing ID: Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	930760898 1 1 STEEL 72 4 inch ft
Casing ID: Layer: Material: Open Hole or Material:	930760899 2 4 OPEN HOLE
Depth From: Depth To: Casing Diameter: Casing Diameter UOM: Casing Depth UOM:	93 inch ft

Results of Well Yield Testing

Pump Test ID:	996703579
Pump Set At: Static Level:	6
Final Level After Pumping:	15
Recommended Pump Depth:	30
Pumping Rate:	10
Flowing Rate:	
Recommended Pump Rate:	10
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	Ν

Draw Down & Recovery

Pump Test Detail ID:	934604748
Test Type:	Recovery
Test Duration:	30
Test Level:	6
Test Level UOM:	ft
Pump Test Detail ID:	934345758
Test Type:	Recovery
Test Duration:	15
Test Level:	6
Test Level UOM:	ft
Pump Test Detail ID:	934858518
Test Type:	Recovery
Test Duration:	45
Test Level:	6
Test Level UOM:	ft
Pump Test Detail ID:	935123311

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Test Type: Test Duration: Test Level: Test Level UO		Recovery 60 6 ft				
Water Details						
Water ID: Layer: Kind Code: Kind: Water Found I Water Found I		933956070 1 1 FRESH 93 ft				
22	1 of 1	ESE/145.9	342.6 / 3.99	GUELPH ON		WWK
Well ID: Construction I Primary Water Sec. Water Us Final Well Stat Water Type: Casing Materi Audit No: Tag: Construction I Elevation Reli Depth to Bedr Well Depth: Overburden/B Pump Rate: Static Water L Flowing (Y/N): Flow Rate: Clear/Cloudy: Bore Hole Info	Date: y Use: Tes tus: Tes al: A10 Method: ability: rock: evel:	3100 t Hole t Hole 23619 99402		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	5/13/2011 Yes 7238 7 246 ARKELL RD WELLINGTON GUELPH CITY	
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Desc Open Hole: Cluster Kind: Date Complete Remarks: Elevrc Desc: Location Sour Improvement	100 : c: ed: 25-/ rce Date: Location Sourc Location Metho fon Comment:			Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	342.11 17 565385 UTM83 4818960 3 margin of error : 10 - 30 m wwr	
<u>Overburden al</u> Materials Inter						
Formation ID: Layer: Color:		1003821505 2 6				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
General Colo	or:	BROWN			
Mat1:		05			
Most Commo	on Material:	CLAY			
Mat2: Other Materia		11 GRAVEL			
Mat3:	d15.	73			
Other Materia	ale	HARD			
Formation To		2.44			
Formation Er		5.18			
	nd Depth UOM:	m			
Formation ID):	1003821504			
Layer:		1			
Color:		6			
General Colo	or:	BROWN			
Mat1:		13			
Most Commo	on Material:	BOULDERS			
Mat2:		11			
Other Materia	als:	GRAVEL			
Mat3:		73			
Other Materia		HARD			
Formation To		0			
Formation Er Formation Er	nd Depth. nd Depth UOM:	2.44 m			
<u>Annular Spac</u> Sealing Reco	<u>ce/Abandonment</u> ord				
Plug ID:		1003821513			
Layer:		1			
Plug From:		0			
Plug To:		1.22			
Plug Depth U	IOM:	m			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons	struction ID:	1003821511			
Method Cons	struction Code:	E			
Method Cons	struction:	Auger			
Other Method	d Construction:				
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		1003821503			
Casing No:		0			
Comment:		~			
Alt Name:					
<u>Construction</u>	n Record - Casing				
Casing ID:		1003821508			
Layer:		1			
Material:		5			
Open Hole or	r Material:	PLASTIC			
Depth From:		0			
Depth To:		1.52			
Casing Diam		5.1			
Casing Diam	eter UOM:	cm			
Casing Dept	h UOM:	m			

Construction Record - Screen

66

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mater Screen Diam Screen Diam Water Details Water ID: Layer: Kind Code: Kind:	Depth: rial: h UOM: eter UOM: eter:		1003821509 1 1.52 4.57 5 m cm 6.4				
Water Found Water Found		1:	m				
Hole Diamete Hole ID: Diameter: Depth From: Depth To: Hole Depth U Hole Diamete	IOM:		1003821506 21 0 5.18 m cm				
<u>23</u>	1 of 1		ESE/148.0	345.3 / 6.70	lot 6 con 8 GUELPH ON		WWIS
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rei Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water Flowing (Y/N Flow Rate: Clear/Cloudy	er Use: se: atus: rial: Method: : liability: lrock: Bedrock: Level:):	7211047 0 Z172129			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	11/8/2013 Yes 2663 7 246 ARKELL RD WELLINGTON PUSLINCH TOWNSHIP 006 08 CON	
Bore Hole In DP2BR: Spatial Statu Code OB: Code OB Des Open Hole: Cluster Kind:	: s: sc:	1004630	816		Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC:	344.08 17 565398 UTM83 4818983 5	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Improvemen	urce Date: t Location Source: t Location Method: sion Comment:	-13		UTMRC Desc: Location Method:	margin of error : 100 m - 300 m gis	
<u>Annular Spa</u> Sealing Reco	<u>ce/Abandonment</u> ord					
Plug ID: Layer: Plug From: Plug To: Blug Dooth I	1014	1004889951 1 0 6				
Plug Depth U Plug ID: Layer: Plug From: Plug To: Plug Depth U		m 1004889952 2 -6 12 m				
<u>Method of Co Use</u>	onstruction & Well					
Method Con	struction Code:	1004889950				
<u>Pipe Informa</u>	<u>ition</u>					
Pipe ID: Casing No: Comment: Alt Name:		1004889944 0				
<u>Construction</u>	<u>n Record - Casing</u>					
Casing ID: Layer: Material: Open Hole o Depth From: Depth To: Casing Diam		1004889948				
Casing Diam Casing Diam Casing Dept	eter UOM:	cm m				
<u>Construction</u>	<u>n Record - Screen</u>					
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mate	Depth:	1004889949				
Screen Mate Screen Dept Screen Diam Screen Diam	h UOM: neter UOM:	m cm				

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	D
Water Details						
Water ID: Layer: Kind Code: Kind:	5 //		1004889947			
Vater Found I Vater Found I		И:	m			
lole Diameter	r					
Hole ID: Diameter: Depth From: Depth To:			1004889946			
Hole Depth UC Hole Diameter			m cm			
<u>24</u>	1 of 1		SE/148.4	338.8 / 0.24	GUELPH ON	
Well ID: Construction I Primary Water Sec. Water Us Final Well Stat Water Type: Casing Materia Audit No: Tag: Construction I Elevation Relia Depth to Bedr Well Depth: Dverburden/B Pump Rate: Static Water L Flowing (Y/N): Flow Rate: Clear/Cloudy:	r Use: se: tus: al: Method: ability: rock: Bedrock: .evel:	6604906 Observatio Z38209 A034610	on Wells		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	10/24/2005 Yes 6607 3 VICTORIA GARDENS PHASE 2, N & S OF BARD BLVD WELLINGTON GUELPH CITY BLOCK 108 & 107 PLAN 61M-108
Bore Hole Info DP2BR: Spatial Status Code OB: Code OB Desc Open Hole: Cluster Kind: Date Complet Remarks: Elevrc Desc: Location Sour Improvement I Source Revisi Supplier Com	:: c: ed: rce Date: Location S Location M ion Comme	Nethod:	en		Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC: UTMRC Desc: Location Method:	338.5 17 565453 UTM83 4818775 4 margin of error : 30 m - 100 m wwr

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Overburden a Materials Inte					
Formation ID Layer:	2	933034562 1			
Color: General Colo	r-	6 BROWN			
Mat1:		06			
Most Commo Mat2:	on Material:	SILT 65			
Matz. Other Materia Mat3:	als:	DARK-COLOURED			
Other Materia		0			
Formation To Formation Er	nd Depth:	.15			
	nd Depth UOM:	m			
Formation ID Layer:	2	933034564 3			
Color: General Colo					
Mat1:	ir:	28			
Most Commo	on Material:	SAND			
Mat2: Other Materia	als:	11 GRAVEL			
Mat3:					
Other Materia Formation To		.7			
Formation Er	nd Depth:	5.9			
Formation Er	nd Depth UOM:	m			
Formation ID	2	933034563			
Layer: Color:		2			
General Colo	or:				
Mat1: Most Commo	n Matariali	06 SILT			
Mat2:	ni malenai.	28			
Other Materia Mat3:		SAND			
Other Materia Formation To		.15			
Formation Er	nd Depth:	.7			
Formation Er	nd Depth UOM:	m			
<u>Annular Spaces Sealing Reco</u>	ce/Abandonment ord				
Plug ID: Layer:		933279474 1			
Plug From:		0			
Plug To: Plug Depth U	IOM:	.7 m			
Plug ID:		933279475			
Layer: Plug From:		2 .7			
Plug To:		4			
Plug Depth U	IOM:	m			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	struction ID:	966604906			

Map Key	Number o Records	f Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Method Const Method Const Other Method	ruction:	Boring				
Pipe Informati	<u>on</u>					
Pipe ID: Casing No: Comment: Alt Name:		11341844 1				
Construction	Record - Cas	ing				
Casing ID: Layer: Material: Open Hole or I Depth From: Depth To: Casing Diame Casing Diame Casing Depth	ter: ter UOM:	930871697 1 5 PLASTIC 76 4.4 5.1 cm m				
Construction I	Record - Scr	<u>een</u>				
Screen ID: Layer: Slot: Screen Top De Screen End De Screen Materia Screen Depth Screen Diames	epth: al: UOM: ter UOM:	933415192 1 10 4.4 5.9 5 m cm 6.4				
Water Details						
Water ID: Layer: Kind Code: Kind: Water Found I Water Found I		934066558 1 4 m				
Hole Diameter						
Hole ID: Diameter: Depth From: Depth To: Hole Depth UC Hole Diameter	DM: UOM:	11547831 21 0 5.9 m cm				
<u>25</u>	1 of 1	SSE/152.2	337.6 / -1.03	lot 7 con 8 GUELPH ON		WWIS
Well ID: Construction I Primary Water Sec. Water Us Final Well Stat	Date: [·] Use: e:	715351 bandoned-Other		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	6/14/2005 Yes Yes	
		Environmental Risk In				Order No: 20180824203

Order No: 20180824203

Re	umber of ecords	Distance (m)	(m)			
Water Type: Casing Material: Audit No: Tag: Construction Meti Elevation Reliabil Depth to Bedrock Well Depth: Dverburden/Bedro Pump Rate: Static Water Leve Flowing (Y/N): Flow Rate: Clear/Cloudy:	lity: :: ock:			Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	2663 3 171 ARKEL ROAD WELLINGTON GUELPH CITY 007 08	
Bore Hole Informa	ation					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed:	11327137 No format 01-JUN-09	ion data		Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC:	336.59 17 565336 UTM83 4818672 4 margin of error : 30 m - 100 m	
Elevrc Desc: Location Source I Improvement Loc Improvement Loc Source Revision (Supplier Comment Annular Space/At	ation Source: ation Method: Comment: nt:					
Elevrc Desc: Location Source I Improvement Loc Improvement Loc Source Revision (Supplier Commen Annular Space/At Sealing Record	ation Source: ation Method: Comment: nt: bandonment	933270548				
Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Commen <u>Annular Space/At</u> <u>Sealing Record</u> Plug ID: Layer:	ation Source: ation Method: Comment: nt: bandonment	1				
Remarks: Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Commen <u>Annular Space/At</u> <u>Sealing Record</u> Plug ID: Layer: Plug From: Plug From:	eation Source: eation Method: Comment: nt: bandonment	1 -6				
Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Commen <u>Annular Space/At</u> <u>Sealing Record</u> Plug ID: Layer: Plug From: Plug To:	ation Source: ation Method: Comment: nt: bandonment	1				
Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Commen <u>Annular Space/At</u> <u>Sealing Record</u> Plug ID: Layer:	ration Source: ration Method: Comment: nt: bandonment	1 -6 75				
Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Commen <u>Annular Space/Ak</u> <u>Sealing Record</u> Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: <u>Method of Constr</u>	ration Source: ration Method: Comment: nt: bandonment bandonment tion ID: tion ID: tion Code: tion:	1 -6 75				
Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Comment Supplier Comment Annular Space/Alt Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Method of Construct Method Construct Method Construct Method Construct	ration Source: ration Method: Comment: nt: bandonment bandonment tion ID: tion ID: tion Code: tion:	1 -6 75 m				
Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Comment Annular Space/At Sealing Record Plug ID: Layer: Plug From: Plug To: Plug Depth UOM: Method of Construct Method Construct Method Construct	eation Source: Eation Method: Comment: Int: bandonment bandonment tion ID: tion Code: tion: nstruction:	1 -6 75 m				
Elevrc Desc: Location Source I Improvement Loc Source Revision (Supplier Comment Annular Space/At Sealing Record Plug ID: Layer: Plug From: Plug To: Plug To: Plug Depth UOM: Method of Construct Method Construct Method Construct Method Construct Method Construct Other Method Cor Pipe Information Pipe ID: Casing No: Comment:	ation Source: cation Method: Comment: nt: bandonment bandonment tion ID: tion Code: tion: nstruction:	1 -6 75 m 966715351 11341992	337.9/-0.72	lot 7 con 8 ON		

	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Construction					Data Src:	1	
Primary Wate	r Use:	Not Used			Date Received:	7/3/2002	
Sec. Water Us	se:				Selected Flag:	Yes	
Final Well Sta	tus:	Abandone	d-Other		Abandonment Rec:		
Water Type:					Contractor:	2663	
Casing Mater	ial:				Form Version:	1	
Audit No:		235169			Owner:		
Tag:					Street Name:		
Construction	Method:				County:	WELLINGTON	
Elevation (m)					Municipality:	PUSLINCH TOWNSHIP	
Elevation Rel					Site Info:		
					Lot:	007	
Depth to Bed	rock:						
Well Depth:					Concession:	08	
Overburden/E	Bedrock:				Concession Name:	CON	
Pump Rate:					Easting NAD83:		
Static Water L	Level:				Northing NAD83:		
Flowing (Y/N)	:				Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy:	:				······		
Bore Hole Infe	ormation						
Bore Hole ID:		10536336			Elevation:	336.82	
DP2BR:					Elevrc:		
Spatial Status	5:				Zone:	17	
Code OB:					East83:	565360.6	
Code OB Des	c.	No formati	on data		Org CS:		
Open Hole:		No Iomau	on data		North83:	4818676	
•							
Cluster Kind:					UTMRC:	5	
Date Complet Remarks:	ted:	26-JUN-02	2		UTMRC Desc: Location Method:	margin of error : 100 m - 300 m gis	
Elevrc Desc:							
Location Sou	rce Date:						
Improvement		Source:					
	LOCALION						
Improvement							
Source Revis		ent:					
		ent:					
Source Revis Supplier Com	nment:						
Source Revis	nment:						
Source Revis. Supplier Com <u>Method of Co</u> <u>Use</u>	nment:	& Well	966714128				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons	nment: Instruction truction ID:	<u>& Well</u>	966714128				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons	nment: <u>instruction</u> truction ID: truction Co	<u>& Well</u> : ode:	C				
Source Revis. Supplier Com <u>Method of Co</u> <u>Use</u>	nment: Instruction truction ID: truction Co truction:	<u>& Well</u> : (ode: (
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Method Cons Other Method	nment: nstruction truction ID: truction Co truction: I Construct	<u>& Well</u> : (ode: (C				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method Pipe Informat	nment: nstruction truction ID: truction Co truction: I Construct	<u>& Well</u> ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;) Not Known				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Method Cons Other Method <u>Pipe Informat</u> Pipe ID:	nment: nstruction truction ID: truction Co truction: I Construct	<u>& Well</u> ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;) Not Known 11084906				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method <u>Pipe Informat</u> Pipe ID: Casing No:	nment: nstruction truction ID: truction Co truction: I Construct	<u>& Well</u> ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;) Not Known				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method <u>Pipe Informat</u> Pipe ID: Casing No: Comment:	nment: nstruction truction ID: truction Co truction: I Construct	<u>& Well</u> ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;) Not Known 11084906				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method <u>Pipe Informat</u> Pipe ID: Casing No:	nment: nstruction truction ID: truction Co truction: I Construct	<u>& Well</u> ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;) Not Known 11084906				
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method <u>Pipe Informat</u> Pipe ID: Casing No: Comment:	nment: nstruction truction ID: truction Co truction: I Construct	<u>& Well</u> ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;) Not Known 11084906	345.6 / 6.97	lot 6 con 8		
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method Pipe Informat Pipe ID: Casing No: Comment: Alt Name: <u>27</u>	nment: nstruction ID: truction Co truction: I Construct	<u>& Well</u> ode: () ion:) Not Known 11084906 1	345.6 / 6.97	ON		wwis
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method Pipe Informat Pipe ID: Casing No: Comment: Alt Name: <u>27</u> Well ID:	nment: nstruction ID: truction Co truction: I Construct tion 1 of 1	<u>& Well</u> ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ; ;) Not Known 11084906 1	345.6 / 6.97	ON Data Entry Status:		WWIS
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method Pipe Informat Pipe ID: Casing No: Comment: Alt Name: <u>27</u> Well ID: Construction	nment: nstruction ID: truction ID: truction Co truction: I Construct Construct tion 1 of 1 Date:	<u>& Well</u> ode: () ion:) Not Known 11084906 1	345.6 / 6.97	ON Data Entry Status: Data Src:	1	ŴŴĬŜ
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method Pipe Informat Pipe ID: Casing No: Comment: Alt Name: <u>27</u> Well ID:	nment: nstruction ID: truction ID: truction Co truction: I Construct Construct tion 1 of 1 Date:	<u>& Well</u> ode: () ion:) Not Known 11084906 1	345.6 / 6.97	ON Data Entry Status:	1 11/16/1965	WWIS
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method Pipe Informat Pipe ID: Casing No: Comment: Alt Name: <u>27</u> Well ID: Construction	nment: nstruction ID: truction Co truction: I Construct Construct tion 1 of 1 Date: or Use:	<u>& Well</u> ode: () ion:) Not Known 11084906 1	345.6 / 6.97	ON Data Entry Status: Data Src:		WWIS
Source Revis Supplier Com <u>Method of Co</u> <u>Use</u> Method Cons Method Cons Other Method Pipe Informat Pipe ID: Casing No: Comment: Alt Name: <u>27</u> Well ID: Construction Primary Wate	nment: <u>instruction</u> truction ID: truction Co truction: I Construct Construct tion 1 of 1 Date: or Use: se:	<u>& Well</u> ode: () ion: 6702589 Livestock	0 Not Known 11084906 1 E/163.5	345.6 / 6.97	ON Data Entry Status: Data Src: Date Received:	11/16/1965	ŴŴĬS

	umber of ecords	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Casing Material: Audit No: Tag: Construction Met Elevation (m): Elevation Reliabil Depth to Bedrock Well Depth: Overburden/Bedr Pump Rate: Static Water Leve Flowing (Y/N): Flow Rate: Clear/Cloudy:	ity: :: ock:			Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 WELLINGTON GUELPH CITY (PUSLINCH TWP) 006 08 CON	
Bore Hole Inform	ation					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Improvement Loc Source Revision Supplier Comment Overburden and I	ation Source: ation Method: Comment: nt: <u>Bedrock</u>			Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	346.16 17 565445.3 4819012 5 margin of error : 100 m - 300 m p5	
<u>Materials Interval</u> Formation ID:		932614463				
Layer: Color: General Color: Mat1: Most Common Mat2: Other Materials: Mat3: Other Materials: Formation Top De Formation End De Formation End De Formation ID: Layer: Color: General Color: Mat1: Most Common Mat2: Other Materials:	epth: epth: epth UOM: aterial:	02 TOPSOIL 01 1 ft 932614464 2 6 BROWN 05 CLAY 12 STONES				
Other Materials: Mat3: Other Materials: Formation Top De Formation End De Formation End De	epth: epth:	1 35 ft				

• •	lumber of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932614465			
Layer:		3			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common M	laterial:	CLAY			
Mat2:		12 STONES			
Other Materials: Mat3:		STONES			
Other Materials:					
Formation Top D	enth [.]	35			
Formation End D		75			
Formation End D		ft			
Formation ID:		932614466			
Layer:		4			
Color:					
General Color:		00			
Mat1: Most Common N	latorial:	09 MEDIUM SAND			
Mat2:	ialei iai.				
Other Materials:					
Mat3:					
Other Materials:					
Formation Top D	epth:	75			
Formation End D	Depth:	80			
Formation End D		ft			
Formation ID:		932614468			
Layer:		6			
Color:		6			
General Color:		BROWN			
Mat1:		15			
Most Common M	laterial:	LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top D		90			
Formation End D		120			
Formation End D	epth UOM:	ft			
Formation ID:		932614467			
Layer:		5			
Color:		2			
General Color:		GREY			
Mat1:		05			
Most Common M	laterial:	CLAY			
Mat2: Other Materials:					
Mat3:					
Other Materials:					
Formation Top D	enth [.]	80			
Formation End D	Depth:	90			
Formation End D		ft			
<u>Method of Const</u> <u>Use</u>	ruction & Well				
	adia m 10	000700500			
Method Construe		966702589			
Method Construe Method Construe		1 Cable Tool			
Other Method Construct					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pipe Informa	<u>tion</u>				
Pipe ID:		11015302			
Casing No:		1			
Comment:					
Alt Name:					

Construction Record - Casing

Casing ID: Layer: Material:	930759060 2 4
Open Hole or Material: Depth From:	OPEN HOLE
Depth To:	120
Casing Diameter:	4
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID: Laver:	930759059 1
Casing ID: Layer: Material:	
Layer:	1
Layer: Material:	1 1
Layer: Material: Open Hole or Material:	1 1
Layer: Material: Open Hole or Material: Depth From:	1 1 STEEL
Layer: Material: Open Hole or Material: Depth From: Depth To:	1 1 STEEL 95

Results of Well Yield Testing

Pump Test ID:	996702589
Pump Set At:	45
Static Level:	45
Final Level After Pumping:	75
Recommended Pump Depth:	80
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	6
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	Ν

Water Details

Water ID: Layer: Kind Code Kind: Water Fou Water Fou		933954929 1 1 FRESH 120 ft				
<u>28</u>	1 of 1	SSE/167.4	336.8 / -1.75	lot 7 con 8 ON		WWIS
Well ID: Construct	-	11291		Data Entry Status: Data Src:	1	

	iber of ords	Direction/ Distance (m)	Elev/Diff (m)	Site		I
Primary Water Use:	Domestic			Date Received:	10/7/1993	
Sec. Water Use:	0			Selected Flag:	Yes	
Final Well Status:	Water Sup	oply		Abandonment Rec:		
Water Type:				Contractor:	2663	
Casing Material:				Form Version:	1	
Audit No:	124315			Owner:		
Tag:				Street Name:		
Construction Metho	d:			County:	WELLINGTON	
Elevation (m):				Municipality:	PUSLINCH TOWNSHIP	
Elevation Reliability	:			Site Info:		
Depth to Bedrock:				Lot:	007	
Well Depth:				Concession:	08	
Overburden/Bedroc	k:			Concession Name:	CON	
Pump Rate:				Easting NAD83:		
Static Water Level:				Northing NAD83:		
Flowing (Y/N):				Zone:		
Flow Rate:				UTM Reliability:		
Clear/Cloudy:						
Bore Hole Informatio	<u>on</u>					
Bore Hole ID:	10475125	i		Elevation:	336.33	
DP2BR:				Elevrc:	17	
Spatial Status:				Zone:	17	
Code OB:	0			East83:	565322.3	
Code OB Desc:	Overburde	en		Org CS:	4040055	
Open Hole:				North83:	4818655	
Cluster Kind:		0		UTMRC:	5	
Date Completed:	22-SEP-9	3		UTMRC Desc:	margin of error : 100 m - 300 m	
Remarks:				Location Method:	gps	
Elevrc Desc:						
Location Source Dat Improvement Locati Improvement Locati Source Revision Co	on Source: on Method:					
Improvement Locati Improvement Locati Source Revision Co. Supplier Comment:	on Source: on Method: mment:					
Improvement Locati Improvement Locati Source Revision Co Supplier Comment: Overburden and Bed	on Source: on Method: mment:					
Improvement Locati Improvement Locati Source Revision Co	ion Source: ion Method: mment: drock	932651879				
Improvement Locati Improvement Locati Source Revision Co Supplier Comment: <u>Overburden and Bea</u> <u>Materials Interval</u> Formation ID: Layer:	ion Source: ion Method: mment: drock	3				
Improvement Locati Improvement Locati Source Revision Co Supplier Comment: <u>Overburden and Bea</u> <u>Materials Interval</u> Formation ID: Layer: Color:	ion Source: ion Method: mment: drock	3 2				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color:	ion Source: ion Method: mment: drock	3 2 GREY				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1:	ion Source: ion Method: mment: drock	3 2 GREY 05				
mprovement Locati mprovement Locati Source Revision Co Supplier Comment: <u>Overburden and Beo</u> <u>Materials Interval</u> Formation ID: ayer: Color: General Color: Mat1: Most Common Mate	ion Source: ion Method: mment: drock drock	3 2 GREY 05 CLAY				
mprovement Locati mprovement Locati Source Revision Co Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: .ayer: Color: General Color: Mat1: Most Common Mate Mat2:	ion Source: ion Method: mment: drock drock	3 2 GREY 05 CLAY 28				
mprovement Locati mprovement Locati Source Revision Co Supplier Comment: <u>Overburden and Bed</u> <u>Aaterials Interval</u> Formation ID: .ayer: Color: General Color: Mat1: Most Common Mate Mat2: Dther Materials:	ion Source: ion Method: mment: drock drock	3 2 GREY 05 CLAY 28 SAND				
mprovement Locati mprovement Locati Source Revision Co Supplier Comment: <u>Overburden and Bed</u> <u>Aaterials Interval</u> Formation ID: .ayer: Color: General Color: Mat1: Most Common Mate Mat2: Dther Materials: Mat3:	ion Source: ion Method: mment: drock drock	3 2 GREY 05 CLAY 28 SAND 11				
mprovement Locati mprovement Locati Source Revision Co Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dther Materials: Other Materials:	ion Source: ion Method: mment: drock drock	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL				
Improvement Locati Improvement Locati Source Revision Co Supplier Comment: <u>Overburden and Bee</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Tother Materials: Formation Top Dept	ion Source: ion Method: mment: drock drock rial: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20				
mprovement Locati mprovement Locati Source Revision Co Supplier Comment: <u>Overburden and Bee</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dither Materials: Tother Materials: Formation Top Dept Formation End Dept	ion Source: ion Method: mment: drock drock rial: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL				
Improvement Locati Improvement Locati Source Revision Co Supplier Comment: <u>Overburden and Bee</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dther Materials: Tother Materials: Formation Top Dept Formation End Dept	ion Source: ion Method: mment: drock drock rial: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dept Formation End Dept Formation End Dept	ion Source: ion Method: mment: drock drock rial: h: h: th: th:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Seneral Color: Mat2: Dither Materials: Formation Top Dept Formation End Dept Formation ID: Layer:	ion Source: ion Method: mment: drock drock rial: h: h: th: th:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dept Formation End Dept Formation ID: Layer: Color:	ion Source: ion Method: mment: drock drock rial: h: h: th: th:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dither Materials: Formation End Dept Formation End Dept Formation ID: Layer: Color: Color: General Color:	ion Source: ion Method: mment: drock drock rial: h: h: h: h: h: h: UOM:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880 4				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dept Formation End Dept Formation ID: Layer: Color: General Color: Mat1:	ion Source: ion Method: mment: drock drock rial: h: h: h: h: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880 4 31				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bea</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dept Formation End Dept Formation End Dept Formation ID: Layer: Color: General Color: Mat1: Most Common Mate	ion Source: ion Method: mment: drock drock rial: h: h: h: h: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880 4				
Improvement Locati Improvement Locati Source Revision Co Supplier Comment: <u>Overburden and Bed</u> Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dither Materials: Tother Materials: Softher Materials: Formation Top Dept Formation End Dept Formation End Dept Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2:	ion Source: ion Method: mment: drock drock rial: h: h: h: h: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880 4 31				
Improvement Locati Improvement Locati Source Revision Col Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dept Formation End Dept Formation End Dept Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials:	ion Source: ion Method: mment: drock drock rial: h: h: h: h: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880 4 31				
mprovement Locati mprovement Locati Source Revision Co Supplier Comment: <u>Overburden and Bed</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dther Materials: Formation End Dept Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dther Materials: Mat3:	ion Source: ion Method: mment: drock drock rial: h: h: h: h: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880 4 31				
Improvement Locati Improvement Locati Source Revision Co Supplier Comment: <u>Overburden and Bed</u> Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Dither Materials: Tother Materials: Softher Materials: Formation Top Dept Formation End Dept Formation End Dept Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2:	ion Source: ion Method: mment: drock drock rial: h: h: h: h: h:	3 2 GREY 05 CLAY 28 SAND 11 GRAVEL 20 65 ft 932651880 4 31				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation To	op Depth:	65			
Formation E		75 "			
Formation El	nd Depth UOM:	ft			
Formation ID	:	932651878			
Layer:		2			
Color:					
General Colo Mat1:	or:	10			
Most Commo	on Material:	COARSE SAND			
Mat2:		31			
Other Materia	als:	COARSE GRAVEL			
Mat3:					
Other Materia Formation To		3			
Formation E		20			
Formation E	nd Depth UOM:	ft			
	-				
Formation ID	:	932651877			
Layer: Color:		1			
General Colo	or:				
Mat1:		01			
Most Commo	on Material:	FILL			
Mat2:					
Other Materia Mat3:	als:				
Other Materia	als:				
Formation To		0			
Formation Er	nd Depth:	3			
Formation E	nd Depth UOM:	ft			
<u>Annular Space</u> Sealing Reco	ce/Abandonment ord				
Plug ID:		933210343			
Layer:		1			
Plug From:		0			
Plug To:	10M	20			
Plug Depth U	IOM:	ft			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons		966711291			
Method Cons Method Cons	struction Code:	4 Rotary (Air)			
	d Construction:	Rolary (All)			
<u>Pipe Informa</u>	tion				
Pipe ID:		11023695			
Casing No: Comment: Alt Name:		1			
Construction	Record - Casing				
Casing ID:		930773855			
Casing ID: Layer:		930773855			
Material:		1			
Open Hole of	r Material:	STEEL			
	r Material:				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Depth From:					
Depth To:		63			
Casing Diam					
Casing Diam		inch			
Casing Depti	h UOM:	ft			
Casing ID:		930773856			
Layer:		2			
Material:		4			
Open Hole of	r Material:	OPEN HOLE			
Depth From:					
Depth To:		75			
Casing Diam	eter:	-			
Casing Diam		inch			
Casing Dept		ft			
Results of W	ell Yield Testing				
Pump Test IL	D:	996711291			
Pump Set At					
Static Level:		18			
	fter Pumping:	18			
	ed Pump Depth:	50			
Pumping Rat		20			
Flowing Rate					
Recommend	ed Pump Rate:	20			
Levels UOM:		ft			
Rate UOM:		GPM			
	After Test Code:	1			
Water State		CLEAR			
Pumping Tes		1			
Pumping Du		1			
Pumping Du		0			
Flowing:		N			
Draw Down &	& Recovery				
Pump Test D	etail ID:	934874504			
Test Type:		Recovery			
Test Duration	n:	45			
Test Level:		18			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	934348742			
Test Type:		Recovery			
Test Duration	n:	15			
Test Level:		18			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	935135034			
Test Type:		Recovery			
Test Duration	n:	60			
Test Level:		18			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	934613477			
Test Type:		Recovery			
Test Duration	n:	30			
Test Level:		18			
Test Level U	OM:	ft			

Water Details

Map Key	Number Records			Site		D
Nater ID:		933965204				
.ayer:		2				
Kind Code:		1				
Kind:		FRESH				
Nater Found		75				
Nater Found	Depth UOM	<i>l:</i> ft				
Nater ID:		933965203				
ayer:		1				
Kind Code:		1				
Kind:		FRESH				
Nater Found	Depth:	65				
Nater Found	Depth UOM	l: ft				
<u>29</u>	1 of 1	S/176.9	335.2 / -3.39			wwi
				Guelph ON		
Nell ID:	Deta	7188310		Data Entry Status:		
Construction		Mandhad		Data Src:	0/07/0040	
Primary Wate		Monitoring		Date Received:	9/27/2012	
Sec. Water Us		Observation M/ II		Selected Flag:	Yes	
Final Well Sta	atus:	Observation Wells		Abandonment Rec:	0007	
Nater Type:				Contractor:	6607	
Casing Mater	ial:	74 47000		Form Version:	7	
Audit No:		Z147899		Owner:		
Tag:		A134137		Street Name:	176 ARKELL RD	
Construction				County:	WELLINGTON	
Elevation (m)				Municipality:	PUSLINCH TOWNSHIP	
Elevation Rel				Site Info:		
Depth to Bed	rock:			Lot:		
Well Depth: Overburden/E	Dodrook			Concession:		
	Searock:			Concession Name:		
Pump Rate:				Easting NAD83:		
Static Water I				Northing NAD83: Zone:		
Flowing (Y/N) Flow Rate:						
Clear/Cloudy	:			UTM Reliability:		
Bore Hole Inf	ormation					
		1004400044			225.00	
Bore Hole ID:		1004168811		Elevation:	335.28	
DP2BR:				Elevrc:	17	
Spatial Status Code OB:	5:			Zone:	17	
Code OB: Code OB Des				East83:	565173	
зоае ОВ Des Open Hole:				Org CS: North83:	UTM83 4818707	
Dpen Hole: Cluster Kind:				UTMRC:	4818707	
Date Complet		05-SEP-12		UTMRC: UTMRC Desc:	4 margin of error : 30 m - 100 m	
Remarks:				Location Method:	wwr	
Elevrc Desc:				Location Method.		
Location Sou	rce Date					
Improvement		ource:				
Improvement						
Source Revis						
Supplier Com						
-						
<u>Overburden a</u> Materials Inte		<u>r</u>				
Formation ID:	:	1004465655				
Layer:		2				
Color:						
	r.					
General Colo						

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		28			
Most Commo	on Material:	SAND			
Mat2:		11			
Other Materia Mat3:	als:	GRAVEL			
Other Materia					
Formation To		2			
Formation E		10			
Formation E	nd Depth UOM:	ft			
Formation ID):	1004465656			
Layer:		3			
Color:					
General Colo	or:	00			
Mat1:		28 SAND			
Most Commo Mat2:	on Materiai:	SAND			
Other Materia	als:				
Mat3:					
Other Materia	als:				
Formation To	op Depth:	10			
Formation E		17.5			
Formation E	nd Depth UOM:	ft			
Formation ID):	1004465654			
Layer:		1			
Color:		6			
General Colo	or:	BROWN			
Mat1:	•• • • •	06 011 T			
Most Commo	on Material:	SILT			
Mat2:	-1-	01			
Other Materia Mat3:	als:	FILL			
Other Materia	ale				
Formation To		0			
Formation E		2			
	nd Depth UOM:	ft			
<u>Annular Spa</u> Sealing Reco	<u>ce/Abandonment</u> ord				
Plug ID:		1004465663			
Layer:		1			
Plug From:		0			
Plug To:		6.5			
Plug Depth U	IOM:	ft			
Plug ID:		1004465664			
Layer:		2			
Plug From:		6.5			
Plug To:		17.5			
Plug Depth L	JOM:	ft			
<u>Method of Co Use</u>	onstruction & Well				
Method Cons	struction ID:	1004465662			
Method Cons	struction Code:	6			
Method Cons	struction:	Boring			
Other Metho	d Construction:				

Method Construction: Other Method Construction:

Pipe Information

Мар Кеу	Number Records	of Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Pipe ID: Casing No: Comment: Alt Name:		1004465653 0				
<u>Construction</u>	n Record - Ca	ising				
Casing ID: Layer: Material: Open Hole o Depth From: Depth To: Casing Diam Casing Diam Casing Dept	eter: eter UOM:	1004465659 1 5 PLASTIC 0 7.5 5.1 inch ft				
<u>Construction</u>	n Record - Sc	reen				
Screen ID: Layer: Slot: Screen Top I Screen End I Screen Mate Screen Dept Screen Diam Screen Diam	Depth: rial: h UOM: neter UOM:	1004465660 1 10 7.8 17.5 5 ft inch 6.4				
Water Details	<u>s</u>					
Water ID: Layer: Kind Code: Kind: Water Found Water Found		1004465658 1 10 : ft				
Hole Diamete	<u>er</u>					
Hole ID: Diameter: Depth From: Depth To: Hole Depth U Hole Diamete	JOM:	1004465657 8 0 17.5 ft inch				
<u>30</u>	1 of 1	NNE/182.6	334.0 / -4.57	lot 5 con 8 Guelph ON		wwis
Well ID: Construction Primary Wate Sec. Water U Final Well St Water Type:	n Date: er Use: Ise: fatus:	7275559 Abandoned-Other		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	11/24/2016 Yes Yes 7556	

Sec. water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability:

82

Z243726

A031808

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Order No: 20180824203

7556

1159 VICTORIA RD S

PUSLINCH TOWNSHIP

WELLINGTON

7

Contractor: Form Version:

Street Name:

Municipality:

Owner:

County:

Site Info:

	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site		D
Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water I Flowing (Y/N Flow Rate: Clear/Cloudy	Bedrock: Level:):			Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	005 08 CON	
Bore Hole Inf	formation					
Bore Hole ID: DP2BR: Spatial Statu: Code OB: Code OB Des Open Hole:	s:	687		Elevation: Elevrc: Zone: East83: Org CS: North83:	334.46 17 565202 UTM83 4819433	
Cluster Kind: Date Comple Remarks: Elevrc Desc:	ted: 11-OCT-	16		UTMRC: UTMRC Desc: Location Method:	4 margin of error : 30 m - 100 m wwr	
Improvement Source Revis Supplier Con	and Bedrock					
<u>vaterials inte</u> Formation ID Layer: Color: General Colo Vat1: Vost Commo	r:	1006442800				
Mat2: Other Materia Mat3: Other Materia Formation To Formation Er Formation Er	als: op Depth:	ft				
<u>Annular Spac</u> Sealing Reco	<u>ce/Abandonment</u> ord					
Plug ID:		1006442807 2				
Layer: Plug From:						
Layer: Plug From: Plug To: Plug Depth U Plug ID: Layer: Plug From: Plug To:	IOM:	ft 1006442806 1				

Method of Construction & Well Use

Мар Кеу	Number o Records	of	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Method Cons Method Cons Method Cons Other Method	struction Coc		1006442805				
<u>Pipe Informa</u>	<u>tion</u>						
Pipe ID: Casing No: Comment: Alt Name:			1006442799 0				
Construction	Record - Ca	nsing					
Casing ID: Layer: Material: Open Hole or Depth From: Depth To:			1006442803				
Casing Diam Casing Diam Casing Depth	eter UOM:		inch ft				
<u>Construction</u>	Record - Sc	reen					
Screen ID: Layer: Slot: Screen Top I Screen End I	Depth:		1006442804				
Screen Mater Screen Depti Screen Diam Screen Diam	n UOM: eter UOM:		ft inch				
<u>Water Details</u> Water ID: Layer: Kind Code:	Ĩ		1006442802				
Kind: Water Found Water Found		:	ft				
<u>Hole Diamete</u> Hole ID: Diameter: Depth From: Depth To:	er		1006442801				
Hole Depth U Hole Diamete			ft inch				
<u>31</u>	1 of 1		WNW/183.6	333.6 / -5.03	Guelph ON		WWIS
Well ID: Construction Primary Wate Sec. Water U	Date: er Use:	7236307 Monitorin	g		Data Entry Status: Data Src: Date Received: Selected Flag:	1/26/2015 Yes	

Order No: 20180824203

	Number of Records	f	<i>Direction/</i> <i>Distance (m)</i>	Elev/Diff (m)	Site	
Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/I Pump Rate: Static Water Flowing (Y/N) Flow Rate: Clear/Cloudy	rial: A Method: Iability: Irock: Bedrock: Level:):	0bservation 198665 174318	Wells		Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	7238 7 1159 VICTORIA RD SOUTH WELLINGTON GUELPH CITY
Bore Hole Inf	ormation					
Bore Hole ID: DP2BR: Spatial Statu: Code OB: Code OB Des Open Hole: Cluster Kind: Date Comple Remarks:	s: sc:	005293638			Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc:	333.37 17 564798 UTM83 4819136 4 margin of error : 30 m - 100 m
Elevrc Desc: Location Sou Improvement Improvement Source Revis Supplier Con	rrce Date: t Location Sou t Location Met sion Comment nment:	thod:			Location Method:	wwr
Elevrc Desc: Location Sou Improvement Improvement	Irce Date: t Location Sou t Location Met sion Comment nment: and Bedrock	thod:			Location Method:	wwr
Elevrc Desc: Location Sou Improvement Source Revis Supplier Con <u>Overburden a</u> <u>Materials Inte</u> Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation Tc Formation Er	Irce Date: t Location Sou t Location Met sion Comment inment: and Bedrock erval erval r: on Material: als: als: op Depth:	thod: t: 10 1 6 BF 28 SA SA 0 18	AND		Location Method:	WWF
Elevrc Desc: Location Sou Improvement Source Revis Supplier Con <u>Overburden a</u> <u>Materials Inte</u> Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Formation To Formation Er Formation Er	Irce Date: t Location Sou t Location Met sion Comment nment: and Bedrock erval cr: and Bedrock erval cr: and Bedrock and Bedrock and Bedrock and Bedrock and Bedrock and Bedrock ce/Abandonmeter and Depth UOM	<i>thod:</i> <i>t:</i> 10 1 6 BF 28 SA 8 <i>f</i> 18 <i>f</i> : <i>f</i> t	ROWN		Location Method:	WWF
Elevrc Desc: Location Sou Improvement Source Revis Supplier Con <u>Overburden a</u> <u>Materials Inte</u> Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Formation To Formation Er Formation Er Formation Er	Irce Date: I Location Sol Location Met Sion Comment Sion Comment and Bedrock arval Critical Sintherital: als: Sintherital: als: Sintherital: als: Sintherital: als: Sintherital: Critical Sintherital: Sintheri	<i>thod:</i> <i>t:</i> 10 1 6 BF 28 S/ 8 <i>f</i> <i>t</i> <i>t</i> <i>t</i>	ROWN		Location Method:	WWF

DB

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Plug From: Plug To: Plug Depth U	ЮМ:	1 8 ft			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	struction Code:	1005509934 2 Rotary (Convent.)			
Pipe Informa	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		1005509927 0			
Construction	Record - Casing				
Casing ID: Layer: Material: Open Hole or Depth From: Depth To: Casing Diame Casing Diame Casing Depth	eter: eter UOM:	1005509931 1 5 PLASTIC 0 8 2 inch ft			
<u>Construction</u>	Record - Screen				
Screen ID: Layer: Slot: Screen Top L Screen End L Screen Mater Screen Diame Screen Diame	Depth: rial: n UOM: eter UOM:	1005509932 1 10 8 18 5 ft inch 2			
Water Details	2				
Water ID: Layer: Kind Code: Kind: Water Found Water Found	Depth: Depth UOM:	1005509930 ft			
Hole Diamete	<u>er</u>				
Hole ID: Diameter: Depth From: Depth To: Hole Depth U Hole Diamete	IOM:	1005509929 8 0 18 ft inch			

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
<u>32</u>	1 of 1		ESE/183.9	346.0 / 7.40	The Corporation of th 264 Arkell Rd Part of 1 and 2 of Reference Guelph ON N1H 3A1	Lot 6, Concession 8, Parts	ECA
Approval No: Approval Dat Status: Record Type. Link Source: Approval Typ Project Type: Address: Full Address. Full PDF Link	te: : : :	8749-985 2013-05- Approved ECA IDS	31 I ECA-MUNICIPAL A MUNICIPAL AND F 264 Arkell Rd Part o	RIVATE SEWAG			
<u>33</u>	1 of 6		ESE/184.2	346.0 / 7.40	The Corporation of th 246 Arkell Rd Part of 1 and 2 of Reference Guelph ON N1H 3A1	Lot 6, Concession 8, Parts	ECA
Approval No: Approval Dat Status: Record Type: Link Source: Approval Typ Project Type: Address: Full Address. Full PDF Link	te: : : :	1049-9AI 2013-08- Approved ECA IDS	20 I ECA-MUNICIPAL A MUNICIPAL AND F 246 Arkell Rd Part o	RIVATE SEWAG			
<u>33</u>	2 of 6		ESE/184.2	346.0 / 7.40	246 Arkell Rd Guelph ON N1L 1E6		EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code: Report Type: Report Date: Report Reque Nearest Inter Previous Site Additional Int	ested by: section: Mame:	18-MAR-	ort (Rural)		Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	05-MAR-13 2.1 acres ON .01 2 0 0	
<u>33</u>	3 of 6		ESE/184.2	346.0 / 7.40	246 Arkell Rd Guelph ON N1L 1E6		EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code: Report Type: Report Date: Report Reque		238147 20130303 75327 131 C 23CAN RSC Rep 13-MAR-	ort (Rural)	d.	Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	05-MAR-13 0.2 acres ON .3 2 0 0	

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Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Nearest Inte Previous Sit Additional Ir	e Name:		Fire Insur. Maps and	d/or Site Plans			
<u>33</u>	4 of 6		ESE/184.2	346.0 / 7.40	246 Arkell Road Guelph ON N1L 1E6		EHS
Order ID: Order No: Customer ID Company ID Status: Report Code Report Type Report Date. Report Requ Nearest Inte Previous Sit Additional In	: : vested by: rsection: e Name:	181457 2010122 75327 131 C 3CAN Standard 12/29/20	I Report		Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	12/21/2010 5:02:32 PM ON 0.25 2 -80.191334 43.520305	
<u>33</u>	5 of 6		ESE/184.2	346.0 / 7.40	246 ARKELL ROAD, C 1E6 Guelph ON	GUELPH, ONTARIO N1L	RSC
Reg No: RA No: RSC Type: Curr Properi District Offic Date Submit Date Ack: Date Return Restoration Soil Type: Criteria: CPU Issued	ee: ted: ed: Type:	Agricultu	District Office		Cert Date: Cert Prop Use No: Intended Prop Use: Nm of Qual. Person: Stratified (Y/N): Audit (Y/N): Entire Leg Prop. (Y/N): Accuracy Estimate: Telephone: Fax: Email:	Residential Marian Molodecki	
1686: Asmt Roll No Prop. ID No: Property Mu Mailing Add Latitude & L UTM Coordin	nicipal Addr ress: .atitude:	'ess:	23 08 010 011 0104 71505 0684 LT 246 ARKELL ROAD		ARIO N1L 1E6		
Consultant: Filing Owner Legal Desc: Measuremen Applicable S RSC PDF:	nt Method:		Victoria Wood (Arke https://www.lrcsde.lu DS-E-FILE.pdf		SWebPublic/pub/viewDocume	ent?attachmentId=24362&fileName	=BROWNFIEL
<u>Details</u> Document H Document T Document N Document L	ype: ame:		Supporting Docume Phase 2 Conceptua Phase Two Concep https://www.lrcsde.lu Conceptual+Site+M	l Site Model tual Site Model.p rc.gov.on.ca/BFIS		ent?attachmentId=24355&fileName	=Phase+Two+
Document H Document T Document N	ype:		Supporting Docume Area(s) of Potential Areas of Potential E	Environmental C			

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
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Document Ty				and Past Property U	se		
Document Na			Table of Current a				
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Document He			Supporting Docum				
Document Ty Document Na			Legal Description		escription of the property		
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Document Li					WebPublic/pub/viewDocume	ent?attachmentId=24359&fileNam	e=Transfer+De
Document He			Supporting Docum				
Document Ty Document Na			Certificate of Statu	us nvaleriote com_201	20710 002027 pdf		
Document Li			https://www.lrcsde		WebPublic/pub/viewDocume	ent?attachmentId=24354&fileNam	e=administrator
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Order No:		20120821014		Lot/Building Size:		
Customer ID Company ID		39567 50665		Municipality: Client Prov/State:	ON	
Status:	•	C		Search Radius (km):	.25	
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Report Type		Standard Select Report		X:	-80.193745	
Report Date:		24-AUG-12		Y:	43.518442	
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Report Date: Report Requested by: Nearest Intersection: Previous Site Name: Additional Info Ordered:

LVM Inc.

Well ID: Construction Date: Primary Water Use: Sec. Water Use:	6713994	Data Entry Status: Data Src: Date Received: Selected Flag:	1 2/11/2002 Yes
Final Well Status: Water Type:	Abandoned-Other	Abandonment Rec: Contractor:	2663
Casing Material:		Form Version:	1
Audit No: Tag:	235121	Owner: Street Name:	
Construction Method:		County:	WELLINGTON PUSLINCH TOWNSHIP
Elevation (m): Elevation Reliability:		Municipality: Site Info:	
Depth to Bedrock: Well Depth:		Lot: Concession:	005 08
Verburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:		Concession Name: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	CON

Bore Hole Information

Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc:	1052852 Improve No form 08-NOV	ation data	Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	334.57 17 565175 N83 4819440 3 margin of error : 10 - 30 m
Location Source Date: Improvement Location Improvement Location Source Revision Comm Supplier Comment: <u>Method of Construction</u>	Method: ent:	features).approx using RD names	changed. Reasonably sur	e well location matches sketch map (similar ccuracy assumed as worst case using GIS at a
<u>Use</u> Method Construction IE Method Construction C Method Construction: Other Method Construc	ode:	966713994 0 Not Known		
<u>Pipe Information</u> Pipe ID: Casing No: Comment: Alt Name:		11077099 1		

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<u>36</u>	1 of 2	S/196.8	334.9 / -3.72	The Corporation of th 164 Arkell Rd Guelph ON N1H 3A1	e City of Guelph	ECA
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<u>36</u>	2 of 2	S/196.8	334.9 / -3.72	City of Guelph 164 Arkell Road Guelph ON		SPL
Ref No: Site No: Incident Dt: Year: Incident Caus Incident Even Contaminant Contamin Contaminant Contaminant Contaminant Conta	nt: Code: Name: Limit 1: t Freq 1: UN No 1: Qty: Impact: oact: edium: vv: onseq: se: on Scn: ed Dt: Closed: ved: Class: son:	0325-ANCMS4 6/14/2017 Leak/Break 15 OIL (PETROLEUM BAS n/a 0 other - see incident de Land 2 - Minor Environment 6/15/2017 Unknown / N/ C of Guelph:	escription	Discharger Report: Material Group: Client Type: Sector Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Municipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:	Municipal Government Miscellaneous Industrial Other Burke Well - Spill Site <unofficial> 164 Arkell Road Guelph County of Wellington West Central Guelph</unofficial>	
<u>37</u>	1 of 16	N/198.1	334.8 / -3.81	1159 Victoria Road So Guelph ON N1L 1B3	outh	EHS
Order ID: Order No: Customer ID: Company ID: Status: Report Code: Report Type: Report Date: Report Reques Nearest Inters Previous Site	ested by: section:		s Engineering South and Arkell Road	Date Received: Lot/Building Size: Municipality: Client Prov/State: Search Radius (km): Large Radius: X: Y:	5/30/2011 11:37:20 AM County of Wellington ON 0.25 0.25 -80.195388 43.531231	

Nearest Intersection: Previous Site Name: Additional Info Ordered:

Fire Insur. Maps and/or Site Plans; Aerial Photos

Plasmics, Guigad OV Order ID: 190922 Order No: 20110980013 Constamor ID: 63837 Constamor ID: 50865 Status: C Comport Toda: 4CAN Beport Toda: 0.25 Report Requested by: LVM Inc. Natarase Intersection: Previous Site Name: 37 3 of 16 N'198.1 34.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FS1 Example Parent Facility Type: Gasoline Status: Corrosion Protection: Painted Tank Tank Type: Single Wall Horizontal AST Instance No: 11642795 Instance No: 11642816 Corrosion Protect	Мар Кеу	Number Records		Elev/Diff) (m)	Site		DI
Order Ko: 20110609013 Lorbaulding State: Constancer ID: 5387 Constancer ID: 5387 Report Code: 42AN Manifelapting: Client ProvState: 0.75 Report Code: 42AN Report Code: 0.172011 Y: Previous Site Name: LVM Inc. Additional Info Ordered: 11642795 Cont Name: 11642795 Instance No: 11642795 Cont Name: Singland Horizonia AST Parent Fracility Type: FS Liquid Fuel Tank Status: Active Socorsion Protection: Fs Liquid Fuel Tank Far Marchait: Singland Fuel Couldet - Self Serve Feartifity Type: FS Liquid Fuel Tank Status: Active Gapacity: 1304.8/-3	<u>37</u>	2 of 16	N/198.1	334.8 / -3.81			EHS
Company ID: 50665 Client Prov/State: ON Report Tope: CAN Search Redux (km): 0.25 Report Tope: Sustimation Redux (km): 0.25 Report Date: Bu/17/2011 Y: 40.195501 Report Date: Bu/17/2011 Y: 43.531231 Report Date: Bu/17/2011 Y: 43.531231 Waarest Intersection: Fear Status: 0.25 Nearest Intersection: Fear Status: Fear Additional Info Ordered: If 842795 Status: GUELPH ON NIL 183 Instance No: 11642795 Status: Active Capacity: Casoline Status: Active Capacity: Casoline Status: Active Capacity: State: Protection: Painted 31 4 of 16 N198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FS1 Instance No: 11642816 Status: Active Status: Active Status: Active Status: Active Status: Active Status: Active	Order No:		20110809013		Lot/Building Size:	8/9/2011 10:55:36 Al	Μ
Status: C Search Radius (km): 0.25 Report Type: Custom Report X: -80.195501 Report Type: Custom Report X: -80.195501 Report Type: Custom Report X: -80.195501 Report Requested by: L/M Inc. Y: 43.531231 Report Nere: BYZ011 Y: Y: 43.531231 Instance No: 11642795 GueLPH ON NIL 183 FS1 Status: Active Gapacity: 2200 Gapacity: Status: Active Status: Active Status: Status Status: FS1 Liquid Fuel Tank FS1 Status: Active Status Status Gapacity: FS1 Liquid Fuel Tank FS1 Status: Active Gapacit						ON	
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Corn Name: FS Liquid Fuel Tank Instance Type: Gasoline Status: Active Corrosion Protection: Painted Tank Material: Stell VIUL Parent Facility Type: Facility Type: FS Liquid Fuel Tank Type: FS Liquid Fuel Tank The Arme: Instance No: 11642816 Cont Name: Corrosion Protection: Painted Tank Material: Stell Corrosion Protection: Painted Tank Material: Stell Corrosion Protection: Painted Tank Material: Stell Corrosion Protection: Painted Tank Type: Stell Corrosion Protection: Painted Tank Type: Stell Soft 16 N/198.1 334.8/-3.81					GUELPH ON NIL 183	3	
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Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Instail Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 4 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FS1 Instance No: 11642816 GUELPH ON N1L 1B3 GUELPH ON N1L 1B3 FS1 Instance No: 11642816 Guelent on N1L 1B3 GUELPH ON N1L 1B3 FS1 Corrosion Protection: Painted FS1 Guelent on N1L 1B3 FS1 Status: Active Capacity: 1360 Corrosion Protection: Painted Tank Material: Steel Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuel Safety Private Fuel Outlet - Self Serve FS1 GUELPH ON N1L 1B3 FS1 GUELPH ON N1L 1B3 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST T159 VICTORIA RD S GUELPH ON N1L 1B3 FS1 GUELPH ON N1L 1B3 License Issue Date: 8/3/2001 GUELPH ON N1L 1B3 GUELPH ON N1L 1B3 GUELPH ON N1L 1B3 Licensed Tank							
Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 4 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON NiL 1B3 FS1 Instance No: 11642816 FS1 GUELPH ON NiL 1B3 FS1 Instance No: 11642816 FS1 GUELPH ON NiL 1B3 FS1 Instance Type: FS1 Liquid Fuel Tank FS1 FS1 Instance Type: FS1 Liquid Fuel Tank FS1 FS1 Status: Active Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted FS1 FS1 FS1 Tank Material: Steel Single Wall Horizontal AST FS1 Install Year: NULL Parent Facility Type: FS1 Liquid Fuel Tank 31 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FS1 32 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FS1 32 5 of 16 N/198.1 334.8 / -3.81<							
Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve 37 4 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FS1 37 4 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FS1 1159 VICTORIA RD S GUELPH ON N11 1B3 GUELPH ON N11 1B3 FS1 Instance No: 11642816 Gueleph ON N11 1B3 FS1 Cont Name: Instance Type: FS Liquid Fuel Tank FS1 Instance Type: PS Liquid Fuel Tank FS1 Gapacity: 1360 Status: Active Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted Tank Type: FUELS Safety Private Fuel Outlet - Self Serve FS1 Install Year: NULL Parent Facility Type: FS1 Liquid Fuel Tank FS1 11stall Year: NULL Parent Facility Type: FS1 Liquid Fuel Tank FS1 31 5 of 16 N/198.1 334.8/-3.81 VICTORIA PARK GOLF CLUB WEST FS1 32 5 of 16 N/198.1 334.8/-3.81 VICTORIA PARK GOLF CLUB WEST FS1 <t< td=""><td>Tank Type:</td><td></td><td>-</td><td>ontal AST</td><td></td><td></td><td></td></t<>	Tank Type:		-	ontal AST			
Facility Type: FS Liquid Fuel Tank 37 4 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON N1L 1B3 FS1 Instance No: 11642816 FS1 FS1 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Diesel Status: Active Capacity: 1360 Tank Material: Steel Steel Corrosion Protection: Painted Tank Type: FS Liquid Fuel Tank Parent Facility Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST Its VICTORIA PARK GOLF CLUB WEST GUELPH ON N1L 1B3 FS1 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST GUELPH ON N1L 1B3 FS1 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST GUELPH ON N1L 1B3 FS1 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST GUELPH ON N1L 1B3 FS1 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLU		_	-				
1159 VICTORIA RD S GUELPH ON N1L 1B3 For GUELPH ON N1L 1B3 Instance No: 11642816 Cont Name: Instance Type: Instance Type: FS Liquid Fuel Tank Fuel Type: Diesel Status: Active Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted Tank Material: Steel Corrosion Protection: Painted Tank Yaterial: Steel Corrosion Protection: Painted Tank Yaterial: Steel Corrosion Protection: Painted Tank Yaterial: Steel Single Wall Horizontal AST Install Year: NULL Parent Facility Type: FS Liquid Fuel Tank 31 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST 32 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON N1L 1B3 License Issue Date: 8/3/2001 Tank Status: Licensed Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Private Fuel Outlet	Facility Type:				ir Serve		
Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Diesel Status: Active Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON N1L 1B3 License Issue Date: 8/3/2001 Sidensed Tank Status: Licensed Tank Status: Licensed Tank Status: AS Of: August 2007 Operation Type: Private Fuel Outlet Private Fuel Outlet	<u>37</u>	4 of 16	N/198.1	334.8 / -3.81	1159 VICTORIA RD S		FST
Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Diesel Status: Active Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON N1L 1B3 License Issue Date: 8/3/2001 Sidensed Tank Status: Licensed Tank Status: Licensed Tank Status: AS Of: August 2007 Operation Type: Private Fuel Outlet Private Fuel Outlet	Instance No:		11642816				
Fuel Type: Diesel Status: Active Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST Jitsp Victoria RD S GUELPH ON N1L 1B3 FST License Issue Date: 8/3/2001 August 2007 Tank Status: Licensed August 2007 Operation Type: Private Fuel Outlet Field Outlet			11012010				
Status: Active Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST Jack Jack Status: License Issue Date: 8/3/2001 Status: Licensed Tank Status: Licensed Tank Status: Licensed Tank Status: Private Fuel Outlet Parentin Type: Private Fuel Outlet Parent Fuel Outlet Parent Fuel Outlet Parent Fuel Outlet		e:	FS Liquid Fuel Ta	ink			
Capacity: 1360 Tank Material: Steel Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST License Issue Date: 8/3/2001 S/3/2001 Tank Status: Licensed Tank Status: Licensed Licensed FST Tank Status: Private Fuel Outlet FST							
Tank Material: Steel Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST 159 VICTORIA PARK GOLF CLUB WEST Integration FST Steel FST License Issue Date: 8/3/2001 B/3/2001 Tank Status: Licensed Tank Status: Licensed August 2007 Private Fuel Outlet Operation Type: Private Fuel Outlet File Outlet							
Corrosion Protection: Painted Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON N1L 1B3 FST License Issue Date: 8/3/2001 Licensed 8/3/2001 Licensed Licensed Tank Status: Licensed Private Fuel Outlet Tank Status: Licensed Private Fuel Outlet Private Fuel Outlet							
Tank Type: Single Wall Horizontal AST Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST 159 VICTORIA PARK GOLF CLUB WEST FST Integration of the serve							
Install Year: NULL Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST Install Year: Install Year: Install Year: FST 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST FST License Issue Date: 8/3/2001 Install Year: Icensed Install Year: FST Licensed Licensed August 2007 Private Fuel Outlet FST	Tank Type:			ontal AST			
Facility Type: FS Liquid Fuel Tank 37 5 of 16 N/198.1 334.8 / -3.81 VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON N1L 1B3 FST License Issue Date: 8/3/2001 8/3/2001 Icensed Tank Status: Licensed August 2007 Operation Type: Private Fuel Outlet Private Fuel Outlet			5				
License Issue Date: 8/3/2001 Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Private Fuel Outlet	Parent Facility Facility Type:				If Serve		
Tank Status: Licensed Tank Status As Of: August 2007 Operation Type: Private Fuel Outlet	<u>37</u>	5 of 16	N/198.1	334.8 / -3.81	1159 VICTORIA RD S		FSTI
Tank Status As Of: August 2007 Operation Type: Private Fuel Outlet		Date:					
Operation Type: Private Fuel Outlet							
				at			
erisinfo.com Environmental Risk Information Services Order No: 2018082420	03					010	der No: 2018082420

erisinfo.com | Environmental Risk Information Services

Мар Кеу	Numbe Record		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Details</u> Status: Year of Insta			Active			
Corrosion Pr Capacity: Tank Fuel Ty			2200 Liquid Fuel Single V	Vall AST - Gasolin	e	
Status: Year of Insta Corrosion Pr			Active			
Capacity: Tank Fuel Ty	pe:		1360 Liquid Fuel Single V	Vall AST - Diesel		
<u>37</u>	6 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST 1159 VICTORIA RD S GUELPH ON N1L 1B3	FSTH
License Issue Tank Status: Tank Status Operation Ty Facility Type	As Of: pe:		8/3/2001 Licensed December 2008 Private Fuel Outlet Gasoline Station - S	Self Serve		
<u>Details</u> Status: Year of Insta Corrosion Pr Capacity:			Active 2200			
Tank Fuel Ty	pe:		Liquid Fuel Single V	Vall AST - Gasolin	e	
Status: Year of Insta Corrosion Pr Capacity: Tank Fuel Ty	otection:		Active 1360 Liquid Fuel Single V	Vall AST - Diesel		
	<i>р</i> с.					
<u>37</u>	7 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	GEN
Generator No Status:	o.:	ON09092	201		PO Box No.: Country:	
Approval Yea Contam. Fac	ility:	06,07,08			Choice of Contact: Co Admin:	
MHSW Facili SIC Code: SIC Descripti	-	713910	Golf Courses and C	country Clubs	Phone No. Admin:	
<u>Details</u> Waste Code: Waste Descri			213 PETROLEUM DIST	ILLATES		
Waste Code: Waste Descri			252 WASTE OILS & LU	BRICANTS		
<u>37</u>	8 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST DIODORO INVESTMENTS 1159 Victoria Road	GEN

Order No: 20180824203

	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	DB
					South GUELPH ON N1L 1B3	
Generator No.:		ON09092	201		PO Box No.:	
Status: Approval Years Contam. Facility MHSW Facility:	ty:	2009			Country: Choice of Contact: Co Admin: Phone No. Admin:	
SIC Code: SIC Description	n:	713910	Golf Courses and C	Country Clubs		
<u>Details</u> Waste Code: Waste Descript	tion:		213 PETROLEUM DIST	TILLATES		
Waste Code: Waste Descript	tion:		252 WASTE OILS & LU	IBRICANTS		
<u> </u>	9 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	GEN
Generator No.: Status:		ON09092	201		PO Box No.:	
Approval Years Contam. Facilit MHSW Facility:	ty:	2010			Country: Choice of Contact: Co Admin: Phone No. Admin:	
SIC Code: SIC Description		713910	Golf Courses and C	Country Clubs		
<u>Details</u> Waste Code: Waste Descript	tion:		213 PETROLEUM DIST	TILLATES		
Waste Code: Waste Descript	tion:		252 WASTE OILS & LU	IBRICANTS		
<u>37</u> 1	10 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	GEN
Generator No.: Status:		ON09092	201		PO Box No.: Country:	
Approval Years Contam. Facilit MHSW Facility:	ty:	2012			Country. Choice of Contact: Co Admin: Phone No. Admin:	
SIC Code: SIC Description		713910	Golf Courses and C	Country Clubs		
<u>Details</u> Waste Code: Waste Descript	tion:		213 PETROLEUM DIST	TILLATES		
Waste Code: Waste Description:			252 WASTE OILS & LU	IBRICANTS		

Map Key Numb Recor				Elev/Diff (m)	Site	DE
<u>37</u>	11 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST DIODORO INVESTMENTS 1159 Victoria Road South GUELPH ON N1L 1B3	GEN
Generator No	o. <i>:</i>	ON0909	201		PO Box No.:	
Status: Approval Yea Contam. Fac	ility:	2011			Country: Choice of Contact: Co Admin: Phone No. Admin:	
MHSW Facili SIC Code: SIC Descript	•	713910	Golf Courses and C	Country Clubs	Phone No. Admin.	
<u>Details</u> Waste Code: Waste Descr			213 PETROLEUM DIST	TILLATES		
Waste Code: Waste Descr			252 WASTE OILS & LU	IBRICANTS		
<u>37</u>	12 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST DIODORO INVESTMENTS R.R. #21159 Victoria Road South GUELPH ON N1L 1B3	GEN
Generator No	o. <i>:</i>	ON0909201			PO Box No.:	
Status: Approval Yea Contam. Fac MHSW Facili SIC Code: SIC Descript	ility: ity:	02,03,04			Country: Choice of Contact: Co Admin: Phone No. Admin:	
<u>Details</u> Waste Code: Waste Description:			213 PETROLEUM DIST	TILLATES		
Waste Code: Waste Descr			252 WASTE OILS & LU	IBRICANTS		
<u>37</u>	13 of 16		N/198.1	334.8 / -3.81	VICTORIA PARK GOLF CLUB WEST DIODORO INVESTMENTS R.R. #2 1159 Victoria Road South GUELPH ON N1L 1B3	GEN
Generator No.:		ON0909201			PO Box No.:	
Status: Approval Yea Contam. Fac MHSW Facili	ility:	05			Country: Choice of Contact: Co Admin: Phone No. Admin:	
MHSW Facility: SIC Code: SIC Description:		713910 Golf Courses and Country Clubs			r none no. Admini.	
<u>Details</u> Waste Code: Waste Descr			213 PETROLEUM DIST	TILLATES		
Waste Code: Waste Description:			252			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>37</u>	14 of 16	N/198.1	334.8/-3.81	Victoria Park Village Inc. Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH ON	рттw
EBR Registi Ministry Ref Notice Type Notice Date Proposal Da Year: Proponent A Instrument Location Ot	f. No.: 2: ate: Address: Type:	012-7633 3060-A9EHZG Instrument Decision October 13, 2016 May 13, 2016 2016 410 Industrial Drive (OWRA s. 34) - Per	, Milton Ontario, Ca	anada L9T 5A6	

Location:

Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH

<u>37</u>	15 of 16	N/198.1	334.8 / -3.81	Victoria Park Village Inc. 1159 Victoria Road South Lot 5, Concession 8 City of Guelph, County of Wellington CITY OF GUELPH ON	PTTW
EBR Registry No.: Ministry Ref. No.: Notice Type: Notice Date: Proposal Date: Year: Proponent Address: Instrument Type: Location Other:				anada L9T 5A6	
Location:					
1159 Victo	ria Road South Lot	5, Concession 8 City of	Guelph, County of We	ellington CITY OF GUELPH	

37 16 of 16	N/198.1	334.8 / -3.81	Victoria Park Village Inc. Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH ON	РТТЖ
EBR Registry No.: Ministry Ref. No.: Notice Type: Notice Date: Proposal Date: Year: Proponent Address: Instrument Type: Location Other:		rive, Milton Ontario, Ca	anada L9T 5A6) - Permit to Take Water	

Map Key	Number of	Direction/	Elev/Diff	Site	
	Records	Distance (m)	(m)		

Location:

Property of Victoria Park Village Inc. 1159 Victoria Road South, Lot: 5, Concession: 8, Geographic Township of Puslinch, City of Guelph, County of Wellington CITY OF GUELPH

38 1 of 1	E/201.2	344.9 / 6.28	lot 6 con 8 ON		WWIS
Well ID: Construction Date: Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:	6704984 Test Hole		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	1 2/25/1974 Yes 2336 1 WELLINGTON PUSLINCH TOWNSHIP 006 08 CON	
Bore Hole Information					
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date: Improvement Location S Improvement Location I Source Revision Comm Supplier Comment:	Method:		Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	345.42 17 565495.3 4819023 4 margin of error : 30 m - 100 m p4	
<u>Overburden and Bedroo Materials Interval</u>	<u>:k</u>				
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth:	932624409 5 6 BROWN 05 CLAY 12 STONES 19				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation El Formation El	nd Depth: nd Depth UOM:	20 ft			
Formation ID):	932624407			
Layer:		3			
Color:		6			
General Colo	or:	BROWN			
Mat1: Most Commo	n Matorial:	11 GRAVEL			
Mat2:	ni maleriai.	13			
Other Materia	als:	BOULDERS			
Mat3:					
Other Materia	als:				
Formation To		9			
Formation E		13			
Formation E	nd Depth UOM:	ft			
Formation ID):	932624406			
Layer:	-	2			
Color:		6			
General Cold	or:	BROWN			
Mat1:		28			
Most Commo	on Material:	SAND			
Mat2:		11 GRAVEL			
Other Materia Mat3:	ais:	05			
Other Materia	als	CLAY			
Formation To		1			
Formation E		9			
	nd Depth UOM:	ft			
Formation ID).	932624408			
Layer:		4			
Color:		6			
General Cold	or:	BROWN			
Mat1:		28			
Most Commo	on Material:	SAND			
Mat2:		11			
Other Materia	als:	GRAVEL			
Mat3: Other Materia		05 CLAY			
Formation To		13			
Formation E		19			
	nd Depth UOM:	ft			
	-				
Formation ID):	932624405			
Layer:		1			
Color:					
General Colo Mat1:	Dr:	BROWN 02			
Most Commo	on Material	TOPSOIL			
Mat2:					
Other Materia	als:				
Mat3:					
Other Materia					
Formation To		0			
Formation E		1			
Formation E	nd Depth UOM:	ft			
	onstruction & Well				
<u>Use</u>					
Method Cons	struction ID:	966704984			
Method Cons	struction Code:	1			
Method Cons	struction:	Cable Tool			

Map Key Numb Recor		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Other Method Constru	uction:					
Pipe Information						
Pipe ID: Casing No: Comment: Alt Name:		11017656 1				
Construction Record	- Casing					
Casing ID:		930763330				
Layer:		1				
Material:		1				
Open Hole or Materia	1:	STEEL				
Depth From:		20				
Depth To: Casing Diameter:		20 5				
Casing Diameter UON	<i>n</i> .	inch				
Casing Depth UOM:		ft				
Results of Well Yield	<u>Testing</u>					
Pump Test ID:		996704984				
Pump Set At:						
Static Level:		8				
Final Level After Pum	ping:					
Recommended Pump						
Pumping Rate:						
Flowing Rate:						
Recommended Pump	Rate:					
Levels UOM:		ft				
Rate UOM: Water State After Tes	t Cada:	GPM 2				
Water State After Tes		CLOUDY				
Pumping Test Method		2				
Pumping Duration HR		0				
Pumping Duration MI		5				
Flowing:		Ν				
Draw Down & Recove	ry					
Pump Test Detail ID:		935135868				
Test Type:		Recovery				
Test Duration:		60				
Test Level:		8				
Test Level UOM:		ft				
<u>39</u> 1 of 1		S/201.8	334.9 / -3.72	lot 6 con 8 ON		wwis
Well ID:	670498	35		Data Entry Status:		
Construction Date:				Data Src:	1	
Primary Water Use:				Date Received:	2/25/1974	
Sec. Water Use:	Test H			Selected Flag:	Yes	
Final Well Status: Water Type:	i est H	UIE		Abandonment Rec: Contractor:	2336	
Casing Material:				Form Version:	1	
Audit No:				Owner:	•	
Tag:				Street Name:		
Construction Method				County:	WELLINGTON	
Elevation (m):				Municipality:	PUSLINCH TOWNSHIP	
100 erisinfo	.com Env	vironmental Risk Info	ormation Service	es	Order No: 20	180824203

Map Key Nun Rec	ords	Direction/ Distance (m)	Elev/Diff (m)	Site		DE
Elevation Reliability Depth to Bedrock: Well Depth: Overburden/Bedroc Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	006 08 CON	
Bore Hole Informati	on					
Bore Hole ID: DP2BR:	10469087			Elevation: Elevrc:	334.99	
Spatial Status:				Zone:	17	
Code OB:	0			East83:	565140.3	
Code OB Desc:	Overburde	en		Org CS:		
Open Hole:				North83:	4818689	
Cluster Kind:				UTMRC:	4	
Date Completed:	24-JAN-74	ļ		UTMRC Desc:	margin of error : 30 m - 100 m	
Remarks:				Location Method:	p4	
Elevrc Desc:					-	
Location Source Da	te:					
Improvement Locat	ion Source:					
Improvement Locat						
Source Revision Co	omment:					
Overburden and Be						
Overburden and Be Materials Interval	<u>drock</u>	932624410				
<u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer:	<u>drock</u>	1				
<u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color:	<u>drock</u>	1 6				
<u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color:	<u>drock</u>	1 6 BROWN				
<u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: General Color: Mat1:	<u>drock</u>	1 6 BROWN 11				
Overburden and Be Materials Interval Formation ID: Layer: Color: Color: General Color: Mat1: Most Common Mate	<u>drock</u> erial:	1 6 BROWN 11 GRAVEL				
Supplier Comment: <u>Overburden and Be</u> <u>Materials Interval</u> Formation ID: Layer: Color: Color: General Color: Mat1: Most Common Mate Mat2:	<u>drock</u> erial:	1 6 BROWN 11 GRAVEL 01				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials:	<u>drock</u> erial:	1 6 BROWN 11 GRAVEL				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3:	<u>drock</u> erial:	1 6 BROWN 11 GRAVEL 01				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials:	<u>drock</u> erial:	1 6 BROWN 11 GRAVEL 01 FILL				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep	<u>drock</u> erial: th:	1 6 BROWN 11 GRAVEL 01 FILL 0				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep	<u>drock</u> erial: th:	1 6 BROWN 11 GRAVEL 01 FILL 0 4				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep	drock erial: th: th: th UOM:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep	<u>drock</u> erial: th: th: th UOM:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer:	drock erial: th: th: th UOM:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color:	drock erial: th: th: th UOM:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color:	drock erial: th: th: th UOM:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate	<u>drock</u> erial: th: th: th UOM:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials	drock erial: th: th: th UOM: erial:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY 12				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials:	drock erial: th: th: th UOM: erial:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dep Formation Top Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials:	drock erial: th: th: th UOM: erial:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY 12 STONES				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep	<u>drock</u> erial: th: th: th UOM: erial:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY 12 STONES 18				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Mate Mat2: Other Materials: Mat3: Other Materials: Formation Top Dep Formation End Dep	<u>drock</u> erial: th: th: th UOM: erial:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY 12 STONES				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation End Dep	drock erial: th: th: th: th UOM: erial: th: th: th:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY 12 STONES 18 20 ft 932624412				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation End Dep Formation End Dep Formation ID: Layer:	drock erial: th: th: th: th UOM: erial: th: th: th:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY 12 STONES 18 20 ft 932624412 3				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation End Dep Formation End Dep Formation ID: Layer: Color:	drock erial: th: th: th: th: th: th: th: th: th: th	1 6 BROWN 11 GRAVEL 01 FILL 0 4 4 ft 932624413 4 6 BROWN 05 CLAY 12 STONES 18 20 ft 932624412 3 6				
Overburden and Be Materials Interval Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation ID: Layer: Color: General Color: Mat1: Most Common Materials: Mat2: Other Materials: Formation Top Dep Formation End Dep Formation End Dep Formation End Dep Formation End Dep Formation ID: Layer:	drock erial: th: th: th UOM: erial: th: th: th:	1 6 BROWN 11 GRAVEL 01 FILL 0 4 ft 932624413 4 6 BROWN 05 CLAY 12 STONES 18 20 ft 932624412 3				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Commo Mat2: Other Materia		GRAVEL 28 SAND			
Mat3:		05			
Other Materia Formation To		CLAY 6			
Formation Er		18			
	nd Depth UOM:	ft			
Formation ID	:	932624411			
Layer: Color:		2 6			
General Colo	r.	BROWN			
Mat1:		02			
Most Commo Mat2:	on Material:	TOPSOIL			
Other Materia	als:				
Mat3: Other Materia					
Formation To		4			
Formation Er		6			
Formation Er	nd Depth UOM:	ft			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons	struction ID:	966704985			
	struction Code:	1			
Method Cons Other Method	struction: d Construction:	Cable Tool			
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID: Casing No: Comment: Alt Name:		11017657 1			
<u>Construction</u>	Record - Casing				
Casing ID:		930763331			
Layer:		1			
Material:		1			
Open Hole or Depth From:	r Wateriai:	STEEL			
Depth To:		20			
Casing Diam		5			
Casing Diam Casing Dept		inch ft			
<u>Results of We</u>	ell Yield Testing				
Pump Test ID		996704985			
Pump Set At: Static Level:		12			
Final Level A	fter Pumping: ed Pump Depth: e:	12			
Flowing Rate	:				
Recommende Levels UOM:	ed Pump Rate:	ft			
Rate UOM:		GPM			

Map Key Num Reco	ber of ords	Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Water State After Te Water State After Te Pumping Test Methe Pumping Duration H Pumping Duration M Flowing:	st: Cl od: 2 /R: 0	LOUDY				
Draw Down & Recov	<u>ery</u>					
Pump Test Detail ID Test Type: Test Duration: Test Level: Test Level UOM:						
40 1 of 1	I	WNW/215.2	334.9 / -3.72	The Corporation of th Guelph ON N1H 3A1	e City of Guelph	ECA
Approval No: Approval Date: Status: Record Type: Link Source: Approval Type: Project Type: Address: Full Address: Full PDF Link:	М	CA-MUNICIPAL A UNICIPAL AND P	RIVATE SEWAGE		Grand River Guelph Guelph -80.198 43.5229 AG5MJL-14.pdf	
41 1 of 1	Ş	SE/225.1	337.9 / -0.72	The Corporation of th Corner of Coutts Cou Guelph ON	•	SPL
Ref No: Site No: Incident Dt: Year: Incident Cause: Incident Event: Contaminant Code: Contaminant Limit 1 Contaminant Limit 7 Contaminant UN No Contaminant UN No Contaminant Qty: Environment Impact: Receiving Medium: Receiving Medium: Receiving Medium: Receiving Env: Health/Env Conseq: MOE Response: Dt MOE Arvl on Scn MOE Reported Dt: Dt Document Closed Agency Involved: SAC Action Class: Incident Reason: Incident Summarv:	: 400 L : Confirmed Soil Contam Land No Field Re: 5/11/2007 I: 7/6/2007	arges EL ination sponse		Discharger Report: Material Group: Client Type: Sector Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site County/District: Site Postal Code: Site Region: Site Region: Site Kunicipality: Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Geo Ref Meth: Site Map Datum:	Oil Other Motor Vehicle Garbage Truck <unofficial> Guelph</unofficial>	
Incident Summary:	Gi	uelph: Garbage Tr	uck Rollover, Dies	el to road		

	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		D
<u>42</u>	1 of 1		S/227.4	334.9 / -3.72	lot 6 con 8 ON		ww
Well ID:		6702585			Data Entry Status:		
Construction					Data Src:	1	
Primary Wate		Livestock			Date Received:	1/9/1952	
Sec. Water U		Domestic			Selected Flag:	Yes	
Final Well Sta	atus:	Water Sup	ply		Abandonment Rec:		
Water Type:					Contractor:	2414	
Casing Mater	'ial:				Form Version:	1	
Audit No:					Owner:		
Tag:	Mathada				Street Name:		
Construction					County: Municipality		
Elevation (m) Elevation Rel					Municipality: Site Info:	GUELPH CITY (PUSLINCH TWP)	
Depth to Bed					Lot:	006	
Well Depth:	IOCK.				Concession:	08	
Overburden/	Bedrock [.]				Concession Name:	CON	
Pump Rate:	2001001				Easting NAD83:	0011	
Static Water I	Level:				Northing NAD83:		
Flowing (Y/N)					Zone:		
Flow Rate:					UTM Reliability:		
Clear/Cloudy	:						
Bore Hole Inf	ormation						
Bore Hole ID:		10466728			Elevation:	334.3	
DP2BR:	_	102			Elevrc:	17	
Spatial Status Code OB:	5:	-			Zone: East83:	17 565065.3	
Code OB: Code OB Des		r Bedrock			Org CS:	000000.3	
Open Hole:		Deulock			North83:	4818651	
Cluster Kind:					UTMRC:	9	
Date Complet		17-SEP-5	1		UTMRC Desc:	unknown UTM	
Remarks:	ieu.				Location Method:	p9	
Elevrc Desc:					2000alon monoul	P0	
Location Sou	rce Date:						
Improvement	Location S	Source:					
Improvement Source Revis	Location I	lethod:					
Supplier Con		<i></i>					
Overburden a		<u>k</u>					
<u>Overburden a</u> Materials Inte	erval		932614447				
<u>Overburden a</u> <u>Materials Inte</u> Formation ID	erval		932614447				
<u>Overburden a</u> Materials Inte Formation ID. Layer:	erval		932614447 4				
<u>Overburden a</u> Materials Inte Formation ID. Layer: Color:	erval :						
<u>Overburden a</u> <u>Materials Inte</u> Formation ID Layer: Color: General Colo	erval :						
Overburden a Materials Inte Formation ID. Layer: Color: General Colo Mat1:	erval : r:		4				
Overburden a Materials Inte Formation ID Layer: Color: General Colo Mat1: Most Commo	erval : r:		4 14				
Overburden a Materials Inte Formation ID. Layer: Color: Color: General Colo Mat1: Most Commo Mat2:	erval : r: on Material:		4 14				
Overburden a Materials Inte Formation ID. Layer: Color: Goneral Colo Mat1: Most Commo Mat2: Other Materia	erval : r: on Material:		4 14				
Overburden a Materials Inte Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3:	<u>erval</u> : r: nn Material: als:		4 14				
Overburden a Materials Inte Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To	erval : r: n Material: als: als: op Depth:		4 14 HARDPAN 79				
Overburden a Materials Inte Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En	erval : r: on Material: als: als: op Depth: ad Depth:		4 14 HARDPAN				
Overburden a Materials Inte Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia	erval : r: on Material: als: als: p Depth: nd Depth: nd Depth U(DM:	4 14 HARDPAN 79 89				
Overburden a Materials Inter Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En Formation ID	erval : r: on Material: als: als: p Depth: nd Depth: nd Depth U(DM:	4 14 HARDPAN 79 89 ft				
Overburden a Materials Inte Formation ID. Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation ID. Formation ID. Layer: Color:	erval : n Material: als: op Depth: nd Depth: nd Depth Ud :	DM:	4 14 HARDPAN 79 89 ft 932614445				
Overburden a Materials Inte Formation ID Layer: Color: General Colo Mat1: Most Commo Mat2: Other Materia Mat3: Other Materia Formation To Formation En	erval : n Material: als: op Depth: nd Depth: nd Depth Ud :	DM:	4 14 HARDPAN 79 89 ft 932614445				

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Most Commo	on Material:	GRAVEL			
Mat2: Other Materia	als				
Mat3:					
Other Materia					
Formation To		50			
Formation Er Formation Er	nd Depth: nd Depth UOM:	65 ft			
Formation ID	:	932614446			
Layer: Color:		3 6			
General Colo	r-	BROWN			
Mat1:		05			
Most Commo	on Material:	CLAY			
Mat2:		09			
Other Materia Mat3:	als:	MEDIUM SAND			
Other Materia	als:				
Formation To		65			
Formation Er	nd Depth:	79			
Formation Er	nd Depth UOM:	ft			
Formation ID	2	932614444			
Layer: Color:		1 3			
General Colo	or:	BLUE			
Mat1:		05			
Most Commo	on Material:	CLAY			
Mat2:		13			
Other Materia Mat3:	als:	BOULDERS			
Other Materia	als:				
Formation To	op Depth:	0			
Formation Er		50			
Formation Er	nd Depth UOM:	ft			
Formation ID	2	932614449			
Layer:		6			
Color: General Colo		6 BROWN			
Mat1:	<i>.</i>	15			
Most Commo	on Material:	LIMESTONE			
Mat2:					
Other Materia	als:				
Mat3: Other Materia					
Formation To		102			
Formation E		113			
	nd Depth UOM:	ft			
Formation ID	2	932614448			
Layer:		5			
Color: General Colo					
Mat1:		09			
Most Commo	on Material:	MEDIUM SAND			
Mat2:					
Other Materia	als:				
Mat3: Other Materia	als				
Formation To		89			
Formation Er	nd Depth:	102			
Formation Er	nd Depth UOM:	ft			

966702585			
1			
Cable Tool			
11015298			
1			
930759051			
1 1			
STEEL			
SILLE			
102			
7			
inch			
ft			
930759052			
2			
OPEN HOLE			
113			
7			
inch			
ft			
996702585			
20			
29 39			
55			
6			
ft			
GPM			
1			
CLEAR 1			
2			
0			
N			
933954925			
1			
1			
FKESH			
	1 1 FRESH	1 1 FRESH	1 1

Map Key	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site	Ľ
Water Found Water Found			105 ft			
<u>43</u>	1 of 1		NNW/235.6	334.9 / -3.69	GUELPH ON	ww
Well ID: Construction Primary Wate Sec. Water Us Final Well Sta Water Type: Casing Mater, Casing Mater, Audit No: Tag: Construction	Date: er Use: se: atus: ial:	6715740 Not Used Test Hole Z39737 A031808			Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County:	5/30/2006 Yes 7238 3 1159 VICTORIA RD S WELLINGTON
Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/E Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy:	liability: rock: Bedrock: Level:):				Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	GUELPH CITY
Bore Hole Inf	ormation					
Bore Hole ID: DP2BR: Spatial Status Code OB: Code OB Des Open Hole:	s:	11558261 o Overburde	en		Elevation: Elevrc: Zone: East83: Org CS: North83:	334.6 17 565009 UTM83 4819430
Cluster Kind: Date Complet Remarks: Elevrc Desc:		27-APR-0	6		UTMRC: UTMRC Desc: Location Method:	3 margin of error : 10 - 30 m wwr
Location Sou Improvement Improvement Source Revis Supplier Com <u>Overburden a</u> <u>Materials Inte</u>	Location Se Location M ion Comme inment: and Bedrock	lethod: nt:				
Formation ID:	:		933048658			
.ayer: Color:			3 6			
General Colo Mat1:	r:		BROWN 28			
Most Commo Mat2: Other Materia Mat3:			SAND 11 GRAVEL 06			
vats: Other Materia Formation To Formation En Formation En	p Depth: d Depth:		06 SILT 1.5 3.05 m			
Simauon En	-					
Formation ID:			933048659			

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		4			
Color:		2 GREY			
General Colo Mat1:	or:	34			
Most Commo	on Material:	TILL			
Mat2:		06			
Other Materia	als:	SILT			
Mat3:	- 1-				
Other Materia Formation To		3.05			
Formation E		4.57			
	nd Depth UOM:	m			
Formation ID)-	933048656			
Layer:	-	1			
Color:		6			
General Colo	or:	BROWN			
Mat1:		02			
Most Commo	on Material:	TOPSOIL			
Mat2: Other Materia	aler	65 DARK-COLOURED			
Mat3:	ais:	DARK-COLOURED			
Other Materia	als:				
Formation To		0			
Formation Er		.3			
Formation Er	nd Depth UOM:	m			
Formation ID):	933048657			
Layer:		2			
Color:		6			
General Colo Mat1:	or:	BROWN 06			
Most Commo	on Material:	SILT			
Mat2:	in material.	11			
Other Materia	als:	GRAVEL			
Mat3:					
Other Materia		0			
Formation To Formation Er		.3 1.5			
	nd Depth UOM:	m			
	la Dopar Com				
<u>Annular Space</u> <u>Sealing Recc</u>	<u>ce/Abandonment</u> ord				
Plug ID:		933289612			
Layer:		1			
Plug From:		0			
Plug To:	10M	1.2 m			
Plug Depth U		m			
<u>Method of Co</u> <u>Use</u>	onstruction & Well				
Method Cons		966715740			
	struction Code:	6			
Method Cons	struction: d Construction:	Boring			
	a construction.				
<u>Pipe Informa</u>	<u>tion</u>				
Pipe ID:		11567868			
Casing No:		1			
Comment:					

Alt Name:

Construction Record - Casing

Casing ID: Layer:	930876887 1
Material:	5
Open Hole or Material:	PLASTIC
Depth From:	0
Depth To:	1.57
Casing Diameter:	3
Casing Diameter UOM:	cm
Casing Depth UOM:	m

Construction Record - Screen

Screen ID:	933417712
Layer:	1
Slot:	10
Screen Top Depth:	1.57
Screen End Depth:	4.57
Screen Material:	5
Screen Depth UOM:	m
Screen Diameter UOM:	cm
Screen Diameter:	

Results of Well Yield Testing

Pump Test ID: Pump Set At: Static Level: Final Level After Pumping: Recommended Pump Depth: Pumping Rate: Flowing Rate:	996715740
Recommended Pump Rate: Levels UOM: Rate UOM: Water State After Test Code:	ft GPM
Water State After Test: Pumping Test Method: Pumping Duration HR: Pumping Duration MIN: Flowing:	9 N

Hole Diameter

Hole ID:	11690360
Diameter:	15
Depth From:	0
Depth To:	4.57
Hole Depth UOM:	m
Hole Diameter UOM:	cm

<u>44</u>	1 of 1	NNW/246.6	334.2 / -4.33	lot 5 con 8 ON		WWIS
Well ID: Constructio Primary Wa Sec. Water I Final Well S	ter Use: Use:	6709380 Irrigation 0 Water Supply		Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec:	1 9/7/1988 Yes	

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Water Type: Casing Material: Audit No: Tag: Construction Method Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N):		Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83:	2336 1 WELLINGTON PUSLINCH TOWNSHIP 005 08 CON
Flow Rate: Clear/Cloudy:		Northing NAD83: Zone: UTM Reliability:	
Bore Hole Information	2		
Bore Hole ID: DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: Remarks: Elevrc Desc: Location Source Date Improvement Locatio Source Revision Com Supplier Comment:	n Source: n Method: ment:	Elevation: Elevrc: Zone: East83: Org CS: North83: UTMRC: UTMRC Desc: Location Method:	334.6 17 565013.3 4819448 5 margin of error : 100 m - 300 m gps
<u>Overburden and Bedi</u> <u>Materials Interval</u>	<u>ock</u>		
Formation ID: Layer: Color: General Color: Mat1: Most Common Materi Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth Formation End Depth Formation End Depth	12 STONES : 15 : 64		

Formation ID:	93264328
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	28
Other Materials:	SAND
Mat3:	11
Other Materials:	GRAVEL
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Formation ID:		932643288			
Layer:		4			
Color:		6			
General Color	r:	BROWN			
Mat1:		26			
Most Commo	n Material:	ROCK			
Mat2:	lo.				
Other Materia Mat3:	15:				
Other Materia	le.				
Formation To		75			
Formation En		105			
	d Depth UOM:	ft			
Formation ID:		932643287			
Layer:		3			
Color:		6			
General Color	r:	BROWN			
Mat1:		26 BOOK			
Most Common	n Material:	ROCK			
Mat2: Other Materia	le.				
Mat3:	15.				
Other Materia	ls:				
Formation To		64			
Formation En		75			
	d Depth UOM:	ft			
Formation ID:		932643289			
Layer:		5			
Color:		6			
General Color	r:	BROWN			
Mat1:	n Matarial	26 ROCK			
Most Commo Mat2:	n Materiai:	RUCK			
Other Materia	le:				
Mat3:	13.				
Other Materia	ls:				
Formation To		105			
Formation En	d Depth:	135			
	d Depth UOM:	ft			
Formation ID:		932643290			
Layer:		6			
Color:		2			
General Color	r:	GREY			
Mat1: Most Commo	n Matarial-	26 ROCK			
Most Commo Mat2:	n waterial:	RUUN			
Other Materia	ls:				
Mat3:					
Other Materia	ls:				
Formation To	p Depth:	135			
Formation En		178			
Formation En	d Depth UOM:	ft			
<u>Method of Co</u> <u>Use</u>	nstruction & Well				
Method Cons	truction ID [.]	966709380			
	truction Code:	4			
Method Cons		Rotary (Air)			
Other Method	Construction:	/			

1021803 030770383 2 4 DPEN HOLE 78 5 nch				
030770383 2 4 DPEN HOLE 178 5 nch				
930770383 2 4 DPEN HOLE 178 5 nch				
2 I DPEN HOLE 78 3 nch				
L DPEN HOLE 78 S nch				
DPEN HOLE 78 Sinch				
78 S nch				
6 nch				
6 nch				
nch				
t				
030770382				
STEEL				
65				
5				
nch				
t				
96709380				
2				
60				
300				
N				
34342640				
Recovery				
5				
31				
t				
34869977				
Recovery				
15				
30				
t				
	4 2 0 00 3PM 3LEAR 4 1 34342640 secovery 5 1 34869977 secovery 5	4 2 0 00 00 6PM 6LEAR 4 1 34342640 7ecovery 5 1 34869977 7ecovery 5 0	4 2 0 00 00 3PM 3LEAR 4 1 34342640 2ecovery 5 1 34869977 2ecovery 5 0	4 2 0 00 00 6PM 6LEAR 4 1 34342640 recovery 5 1 34869977 recovery 5

Мар Кеу	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Pump Test D	etail ID:	934617253			
Test Type:		Recovery			
Test Duration	n:	30			
Test Level:		31			
Test Level U	ОМ:	ft			
Pump Test D	etail ID:	935138224			
Test Type:		Recovery			
Test Duration	n:	60			
Test Level:		30			
Test Level U	ОМ:	ft			
Water Details	5				
Water ID:		933962765			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found		150			
Water Found	Depth UOM:	ft			
Water ID:		933962766			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found	Depth:	175			
Water Found	Depth UOM:	ft			

Unplottable Summary

Total: 16 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
AAGR		Lot 5-8 Con 5	Guelph ON	
CA	DIRK WYNEN, O/A DIRK WYNEN SERVICES	PT.LOT 6/CONC.6, RP# 61R-4245	GUELPH TWP. ON	
CA	Elora Rail Trail Sewer	Part of Lot 6, Lot 7 & Lot 8, RPlan 246	Centre Wellington ON	
CA	The Corporation of the City of Guelph	Arkell Rd (from Gordon Street to Victoria Road)	Guelph ON	
CA	TWP.	ARKELL RD. (RD.37)	PUSLINCH ON	
CA	The Corporation of the City of Guelph	Arkell Rd (from Gordon Street to Victoria Road)	Guelph ON	
NPCB	MENAGEMENT BOARD SECRETARIAT	ARKELL ROAD ARKELL RESEARCH STATION	ARKELL ON	
OPCB	MANAGEMENT BOARD SECRETARIAT	ARKELL RESEARCH STATION ARKELL ROAD	ARKELL ON	
PES	DUTCH MILL NURSERY LTD.	R.R. #2, ARKELL ROAD	GUELPH ON	
PTTW	Diodoro Investments Ltd. c/o Victoria Park Golf Club West	Lot 5, Concession 8, City of Guelph, Wellington County CITY OF GUELPH	ON	
SPL	ONTARIO HYDRO	LOT 5, MOTOR VEHICLE (OPERATING FLUID)	ERIN TOWN ON	
WWIS		lot 5	ON	
WWIS		lot 5	ON	
WWIS		lot 5 con 8	ON	
WWIS		lot 5	ON	
WWIS		lot 5	ON	

Unplottable Report

<u>Site:</u>	Lot 5-8 Con 5 Gue	elph ON	Database: AAGR
Type:			
	n/County:	Wellington	
Towns		Guelph	
	ssion::	5	
Lot::		5-8	
Size (h	na)::		
Landus	•		
Comm			
<u>Site:</u>	,	DIRK WYNEN SERVICES RP# 61R-4245 GUELPH TWP. ON	Database: CA
Certific	cate #:	8-2362-95-006	
	ation Year:	95	
lssue L		10/23/95	
	val Type:	Industrial air	
Status		Approved	
	ation Type:	· +F	
	Name::		
	Address::		
Client			
	Postal Code::		
	t Description::	WASTE OIL FURNACE MODEL CB-2000	
•	minants::	Vinylidene Chloride (Also: 1,1-Dichloroethene, Acetylene, Dicapryl Phthalate	
	ion Control::	······································	
<u>Site:</u>	Elora Rail Trail Sev		Database:
	Part of Lot 6, Lot 7	& Lot 8, RPIan 246 Centre Wellington ON	CA
	cate #:	2501-4N7PRA	
	ation Year:	00	
ssue L		8/14/00	
	val Type:	Municipal & Private sewage	
Status.		Approved	
	ation Type:	New Certificate of Approval	
	Name::	James Keating Construction Limited	
	Address::	70 Mathieson St.	
Client		Centre Wellington	
	Postal Code::	NOB 1SO	
Projec	t Description::	Installation of an underground sanitary sewer and apurtenances to service a commerc in size.	ial site being 0.966 hecta
	minants::		
	ion Control::		

Certificate #: Application Year: Issue Date: Approval Type: Status:

115

3084-7CAQT3 2008 3/7/2008 Municipal and Private Sewage Works Approved

Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control::

<u>Site:</u> TWP. ARKELL RD. (RD.37) PUSLINCH ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control:: 3-0361-85-006 85 7/10/85 Municipal sewage Approved

<u>Site:</u> The Corporation of the City of Guelph Arkell Rd (from Gordon Street to Victoria Road) Guelph ON

Certificate #: Application Year: Issue Date: Approval Type: Status: Application Type: Client Name:: Client Address:: Client City:: Client Postal Code:: Project Description:: Contaminants:: Emission Control:: 9839-7CDS44 2008 3/7/2008 Municipal and Private Sewage Works Approved

<u>Site:</u> MENAGEMENT BOARD SECRETARIAT ARKELL ROAD ARKELL RESEARCH STATION ARKELL ON

Company Code: Industry: Site Status: Transaction Date: Inspection Date: F0453 UNDEFINED

<u>Site:</u> MANAGEMENT BOARD SECRETARIAT ARKELL RESEARCH STATION ARKELL ROAD ARKELL ON

Year: Site Number: Name Owner: Additional Site Information: 2004 20292A033

Site: DUTCH MILL NURSERY LTD.

116

erisinfo.com | Environmental Risk Information Services

Database: CA

Database: CA

Database: NPCB

Database:

Database:

OPCB

R.R. #2, ARKELL ROAD GUELPH ON

Vendor

Licence No: Detail Licence No: Licence Type Code: Licence Type: Licence Class: Licence Control: Trade Name: Post Office Box: Lot: Concession: Region: District: County: Operator Box: Operator Class: Operator No: Operator Type: Operator Lot: Oper Concession: Operator Region: Operator Region: Operator District: Operator County: Oper Phone Area Cd: Ext: Oper Phone No: Proponent Ext:

<u>Site:</u> Diodoro Investments Ltd. c/o Victoria Park Golf Club West Lot 5, Concession 8, City of Guelph, Wellington County CITY OF GUELPH ON

EBR Registry No.: Ministry Ref. No.: Notice Type: Notice Date: Proposal Date: Year: Proponent Address: Instrument Type: Location Other: IA03E0575 23024722 Instrument Decision July 13, 2004 April 29, 2003 2003 1159 Victoria Road South, Guelph Ontario, N1L 1B3 (OWRA s. 34) - Permit to Take Water

Location:

Lot 5, Concession 8, City of Guelph, Wellington County CITY OF GUELPH

<u>Site:</u> ONTARIO HYDRO LOT 5, MOTOR VEHICLE (OPERATING FLUID) ERIN TOWN ON

Ref No: Site No: Incident Dt:	77068	Discharger Report: Material Group:	
Year:	10/2/1992	Client Type: Sector Type:	
Incident Cause: Incident Event: Contaminant Code: Contaminant Name: Contaminant Limit 1: Contam Limit Freq 1:	PIPE/HOSE LEAK	Sector Type: Source Type: Nearest Watercourse: Site Name: Site Address: Site District Office: Site County/District:	
Contaminant UN No 1:		Site Postal Code:	
Contaminant Qty:	CONFIRMED	Site Region:	75 405
Environment Impact: Nature of Impact: Receiving Medium:	CONFIRMED Soil contamination LAND	Site Municipality: Site Lot: Site Conc:	75405
Receiving Env: Health/Env Conseq:		Northing: Easting: Site Geo Ref Accu:	
MOE Response: Dt MOE Arvl on Scn: MOE Reported Dt:	10/2/1992	Site Geo Ref Accu. Site Geo Ref Meth: Site Map Datum:	
Dt Document Closed: Agency Involved: SAC Action Class: Incident Reason: Incident Summary:	EQUIPMENT FAILURE ONTARIO HYDRO: 4 L HYDRAULIC	OIL TO GRND DUETO BR	OKEN HOSE ON TRUCK.

<u>Site:</u>

117

Database:

Database:

Database: SPL

Order No: 20180824203

lot 5 ON

Well ID: **Construction Date:** Primary Water Use: Sec. Water Use: Final Well Status: Water Type: Casing Material: Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

Bore Hole Information

Bore Hole ID:

Spatial Status:

Code OB Desc:

DP2BR:

Code OB:

6712643 Domestic Water Supply

192865

lethod: bility: ck: drock: vel:

10476476

Bedrock

46

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

1 9/14/1998 Yes 2663 1

WELLINGTON GUELPH TOWNSHIP

005

DIV B

Elevation:Elevrc:Zone:17East83:Org CS:North83:UTMRC:9UTMRC Desc:unknown UTMLocation Method:na

Open Hole: Cluster Kind: Date Completed: 01-SEP-98 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

<u>Overburden and Bedrock</u> <u>Materials Interval</u>

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	932658195 6 6 BROWN 15 LIMESTONE 65 DARK-COLOURED 105 121 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	932658194 5 6 BROWN 15 LIMESTONE

Other Materials:	
Formation Top Depth:	95
Formation End Depth:	105
Formation End Depth UOM:	ft
Formation ID:	932658192
Layer:	3
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2: Other Materials:	11 GRAVEL
Mat3:	GRAVEL
Other Materials:	
Formation Top Depth:	40
Formation End Depth:	46
Formation End Depth UOM:	ft
Formation ID:	932658191
Layer:	2
Color: General Color:	6 BROWN
General Color: Mat1:	28
Most Common Material:	SAND
Mat2:	11
Other Materials:	GRAVEL
Mat3:	
Other Materials:	
Formation Top Depth:	3
Formation End Depth:	40
Formation End Depth UOM:	ft
Formation ID:	932658190
Layer:	1
Color:	6
General Color:	BROWN
Mat1:	05
Most Common Material:	CLAY
Mat2:	12
Other Materials:	STONES
Mat3:	
Other Materials:	0
Formation Top Depth: Formation End Depth:	0 3
Formation End Depth. Formation End Depth UOM:	5 ft
ronnadon Ena Deparoom.	n
Formation ID:	932658193
Layer:	4
Color:	6
General Color:	BROWN
Mat1:	15
Most Common Material:	LIMESTONE 75
Mat2: Other Materials:	LIGHT-COLOURED
Mat3:	
Other Materials:	
Formation Top Depth:	46
Formation End Depth:	95
Formation End Depth UOM:	ft
Annular Space/Abandonmont	
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
<u>scanny Necoru</u>	
Plug ID:	933210891
Layer:	1
Plug From:	0
Plug To:	20

Plug Depth UOM:	ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction:	966712643 4 Rotary (Air)

Pipe	Information	

Other Method Construction:

Pipe ID:	11025046
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID: Layer: Material: Open Hole or Material: Depth From:	930776264 1 1 STEEL
Depth To:	46
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID: Layer:	930776265 2
	2 4
Layer:	2
Layer: Material:	2 4 OPEN HOLE
Layer: Material: Open Hole or Material: Depth From: Depth To:	2 4 OPEN HOLE 121
Layer: Material: Open Hole or Material: Depth From: Depth To: Casing Diameter:	2 4 OPEN HOLE 121 6
Layer: Material: Open Hole or Material: Depth From: Depth To:	2 4 OPEN HOLE 121

Results of Well Yield Testing

Pump Test ID:	996712643
Pump Set At: Static Level:	53
Final Level After Pumping:	93
Recommended Pump Depth:	100
Pumping Rate:	15
Flowing Rate:	
Recommended Pump Rate:	15
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:	Ν

Draw Down & Recovery

Pump Test Detail ID:	934352796
Test Type:	Draw Down
Test Duration:	15
Test Level:	73
Test Level UOM:	ft

Pump Test Detail ID:	934869633
Test Type:	Draw Down
Test Duration:	45
Test Level:	93
Test Level UOM:	ft
Pump Test Detail ID:	934617381
Test Type:	Draw Down
Test Duration:	30
Test Level:	93
Test Level UOM:	ft
Pump Test Detail ID:	935130681
Test Type:	Draw Down
Test Duration:	60
Test Level:	93
Test Level UOM:	ft

Water Details

Water ID: Layer: Kind Code: Kind: Water Found Depth: Water Found Depth UOM:	933967102 1 FRESH 115 ft
Water ID:	933967103
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	121
Water Found Depth UOM:	ft

<u>Site:</u>

lot 5 ON

Database: WWIS

Well ID:	6712410	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Domestic	Date Received:	1/9/1998
Sec. Water Use:		Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	2336
Casing Material:		Form Version:	1
Audit No:	186158	Owner:	
Tag:		Street Name:	
Construction Method:		County:	WELLINGTON
Elevation (m):		Municipality:	PUSLINCH TOWNSHIP
Elevation Reliability:		Site Info:	
Depth to Bedrock:		Lot:	005
Well Depth:		Concession:	
Overburden/Bedrock:		Concession Name:	CON
Pump Rate:		Easting NAD83:	
Static Water Level:		Northing NAD83:	
Flowing (Y/N):		Zone:	
Flow Rate:		UTM Reliability:	
Clear/Cloudy:		e rin Konabinty i	
cioui, cioudy:			
Bore Hole Information			

Bore Hole ID:	10476243	Elevation:
DP2BR:	34	Elevrc:
Spatial Status:		Zone: 17
Code OB:	r	East83:
Code OB Desc:	Bedrock	Org CS:

Open Hole: Cluster Kind: Date Completed: 27-NOV-97 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth:	932657034 3 6 BROWN 26 ROCK 65 DARK-COLOURED
Formation End Depth: Formation End Depth UOM:	55 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3: Other Materials	932657032 1 6 BROWN 05 CLAY 12 STONES
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0 15 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	932657035 4 2 GREY 26 ROCK
<i>Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:</i>	55 80 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	932657033 2 6 BROWN 28 SAND 11 GRAVEL
Other Materials: Formation Top Depth: Formation End Depth:	15 34

North83: UTMRC: UTMRC Desc: Location Method:

9 unknown UTM na

Formation End Depth UOM:	ft
Annular Space/Abandonment Sealing Record	
-	
Plug ID:	933210764
Layer: Plug From:	1 0
Plug To:	25
Plug Depth UOM:	ft
Method of Construction & Well Use	
Method Construction ID:	966712410
Method Construction Code:	4
Method Construction: Other Method Construction:	Rotary (Air)
Pipe Information	
Pipe ID:	11024813
Casing No:	1
Comment:	
Alt Name:	
Construction Record - Casing	
Casing ID:	930775860 1
Layer: Material:	1
Material: Open Hole or Material:	STEEL
Depth From:	
Depth To:	35
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	930775861
Layer:	2
Material: Open Hole or Material:	4 OPEN HOLE
Depth From:	
Depth To:	80
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
<u>Results of Well Yield Testing</u>	
Pump Test ID:	996712410
Pump Set At:	10
Static Level: Final Level After Pumping:	10 50
Recommended Pump Depth:	70
Pumping Rate:	12
Flowing Rate:	
Recommended Pump Rate:	0
Levels UOM: Rate UOM:	ft GPM
Nato UUM.	1
Water State After Test Code	
Water State After Test Code: Water State After Test:	CLEAR
Water State After Test: Pumping Test Method:	-
Water State After Test:	-

Flowing:

Ν

Draw Down & Recovery

Pump Test Detail ID:	934351766
Test Type:	Draw Down
Test Duration:	15
Test Level:	28
Test Level UOM:	ft
Pump Test Detail ID:	934616771
Test Type:	Draw Down
Test Duration:	30
Test Level:	45
Test Level UOM:	ft
Pump Test Detail ID:	935138833
Test Type:	Draw Down
Test Duration:	60
Test Level:	50
Test Level UOM:	ft
Pump Test Detail ID:	934869024
Test Type:	Draw Down
Test Duration:	45
Test Level:	50
Test Level UOM:	ft

Water Details

Water ID:	933966759
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	75
Water Found Depth UOM:	ft

<u>Site:</u> lot 5 con 8 O	N			Database: WWIS
Well ID:	6714390	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	2/28/2003	
Sec. Water Use:		Selected Flag:	Yes	
Final Well Status:	Water Supply	Abandonment Rec		
Water Type:		Contractor:	2663	
Casing Material:		Form Version:	1	
Audit No:	247547	Owner:		
Tag:		Street Name:		
Construction Method:		County:	WELLINGTON	
Elevation (m):		Municipality:	PUSLINCH TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	005	
Well Depth:		Concession:	08	
Overburden/Bedrock:		Concession Name:	: CON	
Pump Rate:		Easting NAD83:		
Static Water Level:		Northing NAD83:		
Flowing (Y/N):		Zone:		
Flow Rate:		UTM Reliability:		
Ole en/Ole uniter		-		

Bore Hole Information

Clear/Cloudy:

Bore Hole ID:	10542235	Elevation:	
DP2BR:		Elevrc:	47
Spatial Status:		Zone:	17

Code OB: 0 Code OB Desc: Overburden **Open Hole:** Cluster Kind: Date Completed: 22-JAN-03 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment: Overburden and Bedrock Materials Interval 932921787 Formation ID: Layer: 2 Color: General Color: Mat1: 11 GRAVEL Most Common Material: Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth: 98 Formation End Depth: 100 Formation End Depth UOM: ft Formation ID: 932921786 Layer: 1 Color: 6 General Color: BROWN Mat1: 05 Most Common Material: CLAY Mat2: Other Materials: Mat3: Other Materials: 0 Formation Top Depth: 98 Formation End Depth: Formation End Depth UOM: ft Annular Space/Abandonment Sealing Record Plug ID: 933240147 Layer: 1 0 Plug From: Plug To: 20 Plug Depth UOM: ft Method of Construction & Well <u>Use</u> 966714390 Method Construction ID: Method Construction Code: 4 Method Construction: Rotary (Air) Other Method Construction: Pipe Information Pipe ID: 11090805 Casing No: 1

East83: Org CS: North83: UTMRC: 9 UTMRC Desc: unknown UTM Location Method: na

Comment: Alt Name:

Construction Record - Casing

Casing ID: Layer: Material:	930779047 1 1
Open Hole or Material: Depth From:	STEEL
Depth To:	100
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pump Test ID:	996714390
Pump Set At:	
Static Level:	49
Final Level After Pumping:	68
Recommended Pump Depth:	80
Pumping Rate:	20
Flowing Rate:	
Recommended Pump Rate:	20
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:	Ν

Draw Down & Recovery

Pump Test Detail ID:	934614157
Test Type:	Draw Down
Test Duration:	30
Test Level:	68
Test Level UOM:	ft
Pump Test Detail ID:	934350711
Test Type:	Draw Down
Test Duration:	15
Test Level:	67
Test Level UOM:	ft
Pump Test Detail ID:	935136232
Test Type:	Draw Down
Test Duration:	60
Test Level:	68
Test Level UOM:	ft
Pump Test Detail ID:	934875173
Test Type:	Draw Down
Test Duration:	45
Test Level:	68
Test Level UOM:	ft
Water Details	00 10000 11
Water ID:	934036011
Layer:	1

FRESH 100 ft

<u>Site:</u> lot 5 ON				Database: WWIS
Well ID:	6714208	Data Entry Status:		
Construction Date:		Data Src:	1	
Primary Water Use:	Domestic	Date Received:	9/9/2002	
Sec. Water Use:		Selected Flag:	Yes	
Final Well Status:	Water Supply	Abandonment Rec:		
Water Type:		Contractor:	2663	
Casing Material:		Form Version:	1	
Audit No:	247560	Owner:		
Tag:		Street Name:		
Construction Method:		County:	WELLINGTON	
Elevation (m):		Municipality:	PUSLINCH TOWNSHIP	
Elevation Reliability:		Site Info:		
Depth to Bedrock:		Lot:	005	
Well Depth:		Concession:		
Overburden/Bedrock:		Concession Name:		
Pump Rate:		Easting NAD83:		
Static Water Level:		Northing NAD83:		
Flowing (Y/N):		Zone:		
Flow Rate:		UTM Reliability:		
Clear/Cloudy:		•••••• • ••		
Bore Hole Information				
Bore Hole ID:	10536416	Elevation:		
DP2BR:	0	Elevrc:		
Spatial Status:		Zone:	17	
Code OB:	r	East83:		
Code OB Desc:	Bedrock	Org CS:		
Open Hole:		North83:		
Oliverter Kinala			0	

UTMRC:

UTMRC Desc: Location Method: 9

na

unknown UTM

Spatial Status: Code OB: Code OB Desc:	r Bedrock	
Open Hole:		
Cluster Kind:		
Date Completed:	20-AUG-02	
Remarks:		
Elevrc Desc:		
Location Source Date:		
Improvement Location	Source:	
Improvement Location Method:		
Source Revision Comment:		
Supplier Comment:		

Overburden and Bedrock Materials Interval

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	932902045 1 2 GREY 15 LIMESTONE
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0 265 ft

Method of Construction & Well Use

э:

Method Construction ID:	966714208
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	11084986
Casing No:	1
Comment:	
Alt Name:	

Results of Well Yield Testing

Pump Test ID:	996714208
Pump Set At: Static Level:	72
Final Level After Pumping:	75
Recommended Pump Depth:	150
Pumping Rate:	25
Flowing Rate:	
Recommended Pump Rate:	25
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:	Ν

Draw Down & Recovery

934357835 Draw Down 15 75 ft
935135704 Draw Down 60 75 ft
934613630 Draw Down 30 75 ft
934874649 Draw Down 45 75 ft

Water Details

Water ID:	934029900
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	265
Water Found Depth UOM:	ft

Site:

Well ID:

Water Type:

lot 5 ON

6713453 **Construction Date:** Primary Water Use: Domestic Sec. Water Use: Final Well Status: Water Supply Casing Material:

220622

Audit No: Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:

Data Entry Status: Data Src: Date Received: Selected Flag: Abandonment Rec: Contractor: Form Version: Owner: Street Name: County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

9/18/2000 Yes 2663

1

1

WELLINGTON **GUELPH TOWNSHIP**

005

Bore Hole Information	<u>on</u>		
Bore Hole ID:	10477286	Elevation:	
DP2BR:	71	Elevrc:	
Spatial Status:		Zone:	17
Code OB:	r	East83:	
Code OB Desc:	Bedrock	Org CS:	
Open Hole:		North83:	
Cluster Kind:		UTMRC:	9
Date Completed:	24-AUG-00	UTMRC Desc:	unknown UTM
Remarks:		Location Method:	na

Overburden and Bedrock Materials Interval

Elevrc Desc:

129

Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:

Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:	932662249 4 6 BROWN 15 LIMESTONE
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	100 162 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material: Mat2:	932662246 1 2 GREY 05 CLAY 12

Other Materials: Mat3:	STONES
Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	0 71 ft
Formation ID: Layer: Color: General Color: Mat1: Most Common Material:	932662248 3 2 GREY 15 LIMESTONE
Mat2: Other Materials: Mat3: Other Materials: Formation Top Depth:	72
Formation End Depth: Formation End Depth UOM:	100 ft
Formation ID: Layer: Color:	932662247 2 6
General Color: Mat1: Most Common Material: Mat2: Other Materials:	BROWN 15 LIMESTONE
Mat3: Other Materials: Formation Top Depth: Formation End Depth: Formation End Depth UOM:	71 72 ft
<u>Annular Space/Abandonment</u> <u>Sealing Record</u>	
Plug ID: Layer: Plug From: Plug To: Plug Depth UOM:	933211425 1 0 20 ft
Method of Construction & Well Use	
Method Construction ID: Method Construction Code: Method Construction: Other Method Construction:	966713453 4 Rotary (Air)
Pipe Information	
Pipe ID: Casing No: Comment: Alt Name:	11025856 1
Construction Record - Casing	
Casing ID: Layer: Material: Open Hole or Material:	930777668 1 1 STEEL

Depth From:	
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
Casing ID:	020777660
Casing ID: Layer:	930777669 2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	00
Depth To:	
Casing Diameter:	6
Casing Diameter UOM:	inch
Casing Depth UOM:	ft
<u>Results of Well Yield Testing</u>	
Bump Toot ID:	006712452
Pump Test ID: Pump Set At:	996713453
Static Level:	90
Final Level After Pumping:	115
Recommended Pump Depth:	140
Pumping Rate:	8
Flowing Rate:	
Recommended Pump Rate:	8
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1 CLEAR
Water State After Test: Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
1 0	
Flowing:	N
Flowing:	Ν
Flowing: <u>Draw Down & Recovery</u>	Ν
Draw Down & Recovery	
<u>Draw Down & Recovery</u> Pump Test Detail ID:	N 934872407 Draw Down
Draw Down & Recovery	934872407
<u>Draw Down & Recovery</u> Pump Test Detail ID: Test Type:	934872407 Draw Down
<u>Draw Down & Recovery</u> Pump Test Detail ID: Test Type: Test Duration:	934872407 Draw Down 45
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934872407 Draw Down 45 100 ft
<u>Draw Down & Recovery</u> Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID:	934872407 Draw Down 45 100 ft 934620144
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Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Type:	934872407 Draw Down 45 100 ft 934620144 Draw Down 30
Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM:	934872407 Draw Down 45 100 ft 934620144 Draw Down 30 100 ft
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Draw Down & Recovery Pump Test Detail ID: Test Type: Test Duration: Test Level: Test Level UOM: Pump Test Detail ID: Test Duration: Test Level: Test Level: Test Level: Test Duration: Test Level: Test	934872407 Draw Down 45 100 ft 934620144 Draw Down 30 100 ft 934355578 Draw Down 15 95 ft 935133462 Draw Down 60 115 ft 933968231

Kind:	FRESH
Water Found Depth:	140
Water Found Depth UOM:	ft
Water ID:	933968232
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	162
Water Found Depth UOM:	ft

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.*

Abandoned Aggregate Inventory:

Government Publication Date: Sept 2002*

Aggregate Inventory:

AGR The Ontario Ministry of Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage. Government Publication Date: Up to Sep 2017

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

Government Publication Date: 1800-Nov 2016

Abandoned Mine Information System:

Anderson's Waste Disposal Sites:

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:

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type. Government Publication Date: 1999-Jan 31, 2018

A borehole is the generalized term for any narrow shaft drilled in the ground, either vertically or horizontally. The information here includes geotechnical investigations or environmental site assessments, mineral exploration, or as a pilot hole for installing piers or underground utilities. Information is from many sources such as the Ministry of Transportation (MTO) boreholes from engineering reports and projects from the 1950 to 1990's in Southern Ontario. Boreholes from the Ontario Geological Survey (OGS) including The Urban Geology Analysis Information System (UGAIS) and the York Peel Durham Toronto (YPDT) database of the Conservation Authority Moraine Coalition. This database will include fields such as location, stratigraphy,

depth, elevation, year drilled, etc. For all water well data or oil and gas well data for Ontario please refer to WWIS and OOGW.

Certificates of Approval: 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*

Government Publication Date: 1875-Jul 2014

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Provincial

AAGR

AMIS

ANDR

AUWR

BORE

Provincial

Provincial

Private

Private

Provincial

Provincial

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.

Borehole:

Commercial Fuel Oil Tanks:

Compressed Natural Gas Stations:

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:

have been found guilty of environmental offenses in Ontario courts of law.

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here

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.

Drill Hole Database: DRI 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-Nov 30, 2017

Government Publication Date: Jan 2004-Dec 2016

Dry Cleaning Facilities: DRYCLEANERS List of dry cleaning facilities made available by Environment and Climate Change Canada. Environment and Climate Change Canada's Tetrachloroethylene (Use in Dry Cleaning and Reporting Requirements) Regulations (SOR/2003-79) are intended to reduce releases of tetrachloroethylene to the environment from dry cleaning facilities.

EASR On October 31, 2011, a smarter, faster environmental approvals system came into effect in Ontario. The EASR allows businesses to register certain activities with the ministry, rather than apply for an approval. The registry is available for common systems and processes, to which preset rules of operation can be applied. The EASR is currently available for: heating systems, standby power systems and automotive refinishing. Businesses whose activities aren't subject to the EASR may apply for an ECA (Environmental Compliance Approval), Please see our ECA database.

Government Publication Date: Oct 2011-Jul 31, 2018

record date provided here. Government Publication Date: Feb 28, 2017 Chemical Register:

This database includes information from both a one time study conducted in 1992 and private source and is a listing of facilities that manufacture or distribute chemicals. The production of these chemical substances may involve one or more chemical reactions and/or chemical separation processes (i.e. fractionation, solvent extraction, crystallization, etc.). Government Publication Date: 1999-Jan 31, 2018

List of commercial underground fuel oil tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Note: the Fuels Safety Division does not register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of commercial fuel tanks in the province. The TSSA updates information in its system on an ongoing basis; this listing is a copy of the data captured at one moment in time and is hence limited by the

Canada has a network of public access compressed natural gas (CNG) refuelling stations. These stations dispense natural gas in compressed form at 3,000 pounds per square inch (psi), the pressure which is allowed within the current Canadian codes and standards. The majority of natural gas refuelling is located at existing retail gasoline that have a separate refuelling island for natural gas. This list of stations is made available by the Canadian Natural Gas Vehicle Alliance.

Government Publication Date: Dec 2012 - Apr 2018

Inventory of Coal Gasification Plants and Coal Tar Sites:

Government Publication Date: 1989-Apr 2018 Certificates of Property Use: Provincial CPU

Government Publication Date: 1994-Jul 31, 2018

Environmental Activity and Sector Registry: Provincial

Provincial

Private

Private

Provincial

Provincial

Provincial

Federal

COAL

CONV

CFOT

CHEM

CNG

Environmental Registry:

Environmental Compliance Approval:

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.

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

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)

Government Publication Date: Oct 2011-Jul 31, 2018

Orders please refer to those individual databases. Government Publication Date: 1994-Jul 31, 2018

Environmental Effects Monitoring:

database provides information on the mill name, geographical location and sub-lethal toxicity data. Government Publication Date: 1992-2007*

ERIS Historical Searches: 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-Feb 28, 2018

Environmental Issues Inventory System:

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: **FMHE** List of locations of historical occurrences of emergency events, including those assigned to the Ministry of Natural Resources by Order-In-Council (OIC) under the Emergency Management and Civil Protection Act, as well as events where MNR provided requested emergency response assistance. Many of these events will have involved community evacuations, significant structural loss, and/or involvement of MNR emergency response staff. These events fall into one of ten (10) type categories: Dam Failure; Drought / Low Water; Erosion; Flood; Forest Fire; Soil and Bedrock Instability; Petroleum Resource Center Event, EMO Requested Assistance, Continuity of Operations Event, Other Requested Assistance. EMHE record details are reproduced by ERIS under License with the Ontario Ministry of Natural Resources © Queen's Printer for Ontario, 2017. Government Publication Date: Dec 31, 2016

List of TSSA Expired Facilities: FXP List of facilities and tanks - for which there was once a registration - no longer registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed from the ground are included in the expired facilities inventory held by the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here. Government Publication Date: Feb 28, 2017

Federal Convictions: 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*

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Federal

Provincial

Provincial

Provincial

EBR

ECA

EEM

Federal

Private

Federal

FIIS

Provincial

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.

List of greenhouse gas emissions from large facilities made available by Environment Canada. Greenhouse gas emissions in kilotonnes of carbon

TSSA Historic Incidents: Provincial HINC List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The 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, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

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*

Government Publication Date: 2006-June 2009*

The Federal Contaminated Sites Inventory includes information on known federal contaminated sites under the custodianship of departments, agencies and consolidated Crown corporations as well as those that are being or have been investigated to determine whether they have contamination arising from past use that could pose a risk to human health or the environment. The inventory also includes non-federal contaminated sites for which the Government of Canada has accepted some or all financial responsibility. It does not include sites where contamination has been caused by, and which are under the control of, enterprise Crown corporations, private individuals, firms or other levels of government. Government Publication Date: Jun 2000-May 2018

Fisheries & Oceans Fuel Tanks: 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.

Provincial Fuel Storage Tank: FST

Government Publication Date: 1964-Sep 2017

List of registered private and retail fuel storage tanks made available by the Fuels Safety Program of the Technical Standards & Safety Authority (TSSA). Ontario Regulation 213/01 of the Technical Standards and Safety Act (2000) requires that all underground tanks be registered with the TSSA. Notes: the Fuels Safety Division did not register private fuel underground/aboveground storage tanks prior to January of 1990, or furnace oil tanks prior to May 1, 2002; nor does the Division register waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel storage tanks/tank facilities in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks. Public records of private fuel storage tanks are only available since the registration became effective in September 1989. This information is now collected by the Technical Standards and Safety Authority.

Government Publication Date: Pre-Jan 2010*

Government Publication Date: Feb 28, 2017

Fuel Storage Tank - Historic:

Contaminated Sites on Federal Land:

Ontario Regulation 347 Waste Generators Summary:

Government Publication Date: 1986-December 31, 2017

Greenhouse Gas Emissions from Large Facilities:

dioxide equivalents (kt CO2 eq). Government Publication Date: 2013-Dec 2016

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Federal

Federal

Provincial

Provincial

Federal

FCS

GEN

GHG

FSTH

Order No: 20180824203

TSSA Incidents:

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the 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. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

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: 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*

Environmental Penalty Annual Report: This database contains data from Ontario's annual environmental penalty report published by the Ministry of the Environment and Climate Change. These reports provide information on environmental penalties for land or water violations issued to companies in one of the nine industrial sectors covered by the Municipal Industrial Strategy for Abatement (MISA) regulations.

Government Publication Date: Jan 1, 2011 - Dec 31, 2017

Mineral Occurrences:

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

point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Jan 2018 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.

source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that

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*

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, 2016

Non-Compliance Reports:

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National Defense & Canadian Forces Fuel Tanks:

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*

Provincial **MISA PENALTY**

Provincial

Provincial

Federal



INC

LIMO

Provincial

Provincial

Private

MNR

NCPL

NDFT

National Defense & Canadian Forces Spills:

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-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites: Federal NDWD The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status. Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Locations of pipeline incidents from 2008 to present, made available by the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction. Government Publication Date: 2008-Mar 31, 2018

National Energy Board Wells: **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):

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:

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:

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

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-April 30, 2018

Ontario Oil and Gas Wells: 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-May 2018

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect

Private

Provincial

NDSP

NEBI

NFFS

NPCB

NPRI

OGW

Federal

Federal

Federal

Federal

Federal The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified

Federal

comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances.

erisinfo.com | Environmental Risk Information Services

erisinfo.com | Environmental Risk Information Services

Inventory of PCB Storage Sites:

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

Canadian Pulp and Paper:

Government Publication Date: 1994-Jul 31, 2018

and the products that they produce. Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

The Ontario Ministry of the Environment and Climate Change maintains a database of licensed operators and vendors of registered pesticides.

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

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

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

quantities; 2) major and minor sites storing liquid or solid waste; and 3) a waste storage inventory.

conformity with Act for waste disposal sites, (EPA s. 136) - Order for performance of environmental measures.

Parks Canada Fuel Storage Tanks:

Government Publication Date: 1920-Jan 2005*

Government Publication Date: 1988-Mar 2018

Pesticide Register:

TSSA Pipeline Incidents:

Orders:

List of pipeline incidents (strikes, leaks, spills) made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of pipeline incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here. Government Publication Date: Feb 28, 2017

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:

139

Private and Retail Fuel Storage Tanks:

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-Jul 31, 2018

Ontario Regulation 347 Waste Receivers Summary: Part V of the Ontario Environmental Protection Act ("EPA") regulates the disposal of regulated waste through an operating waste management system or a waste disposal site operated or used pursuant to the terms and conditions of a Certificate of Approval or a Provisional Certificate of Approval. Regulation 347 of the Ontario EPA defines a waste receiving site as any site or facility to which waste is transferred by a waste carrier. A receiver of regulated waste is required to register the waste receiving facility. This database represents registered receivers of regulated wastes, identified by registration number, company name and address, and includes receivers of waste such as: landfills, incinerators, transfer stations, PCB storage sites, sludge farms and water pollution control plants. This information is a summary of all years from 1986 including the most currently available data. Government Publication Date: 1986-2016

Provincial 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

Private

PCFT Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites.

OPCB

ORD

PAP

PES

PINC

PRT

PTTW

Provincial

Federal

Provincial

Provincial

Provincial

Provincial

RFC

erisinfo.com | Environmental Risk Information Services

variance from this code requirement.

Government Publication Date: Feb 28, 2017

140

requirements related to site assessment and clean up.

Government Publication Date: 1997-Sept 2001, Oct 2004-Apr 2018

RSCs filed after July 1, 2011 will also be included as part of the new (O.Reg. 511/09).

Scott's Manufacturing Directory:

are included in this database.

Ontario Spills:

Retail Fuel Storage Tanks:

or propane storage tanks.

Government Publication Date: 1992-Mar 2011*

Government Publication Date: 1999-Jan 31, 2018

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-May 2018

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

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

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-Dec 31, 2016

Anderson's Storage Tanks:

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*

Federal Transport Canada Fuel Storage Tanks: 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.

TSSA Variances for Abandonment of Underground Storage Tanks: VAR List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a

Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of tank variances in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: 1970-Aug 2017

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

Private

Provincial

Provincial

Private

Private

cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site

RSC

RST

SCT

SPL

the most comprehensive database of Canadian manufacturers available. Information concerning a company's address, plant size, and main products

Provincial

TANK

Waste Disposal Sites - MOE CA Inventory:

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: Oct 2011-Jul 31, 2018

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

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:

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: Dec 31, 2017

Provincial

WWIS

WDSH

141

WDS

Provincial

Provincial

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.

<u>Map Key:</u> 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.'

<u>Unplottables:</u> 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.