Geotechnical Engineering

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Phase I - Environmental Site Assessment

1015-1045 Dairy Drive Ottawa, Ontario

Prepared For

TBROS Limited

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Report: PE5609-1



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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by TBROS Limited to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 1015-1045 Dairy Drive, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land. During the development of the adjacent property to the north in the 1990's, it was reported that the topsoil was stripped from the land and stockpiled on the Phase I Property. Based on the nature of the material, its native origins, as well as observations made during a previous geotechnical investigation, this imported soil is not considered to pose an environmental concern to the Phase I Property.

The surrounding lands within the Phase I Study Area have historically been developed for a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the historical use of the neighbouring properties.

Presently, the Phase I Property is vacant and consists largely of grassland with occasional trees. No environmental concerns were identified with respect to the current use of the Phase I Property.

The surrounding lands within the vicinity of the Phase I Property consist mainly of a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the current use of the neighbouring properties.

Based on the findings of this assessment, it is our opinion that a Phase II – Environmental Site Assessment will not be required for the Phase I Property.

Recommendations

As previously noted, there is a significant volume of fill material present on the Phase I Property. If this soil is removed from the site during future site development, it will be subject to testing and other aspects of Ontario Regulation 406/19. Any future site development should try to achieve a zero balance cut/fill ratio, however, if this is not considered feasible then it is recommended that a soil quality testing program be carried out. More information on this subject can be provided upon request.



1.0 INTRODUCTION

At the request of TBROS Limited, Paterson Group (Paterson) conducted a Phase I – Environmental Site Assessment (Phase I ESA) for 1015-1045 Dairy Drive, in the City of Ottawa, Ontario. Henceforth, this property shall be referred to as 'The Phase I Property'. The purpose of this Phase I ESA was to research the past and current use of the Phase I Property and Study Area as well as to identify any environmental concerns with the potential to have impacted the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Alex Shafran, of TBROS Limited. Mr. Shafran can be contacted via telephone at 905-667-4892.

This report has been prepared specifically and solely for the above noted project which is described herein. It contains all our findings and results of the environmental conditions at this site.

This Phase I ESA report has been prepared in general accordance with Ontario Regulation 153/04, as amended under the Environmental Protection Act, and also complies with the requirements of CSA Z768-01 (reaffirmed 2016). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information, as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies, and was limited within the scope-of-work, time, and budget of the project herein.



2.0 PROPERTY INFORMATION

Address: 1015-1045 Dairy Drive, Ottawa, Ontario;

Legal Description: Part of Lot 29, Concession 1 (Old Survey Front),

Formerly the Township of Cumberland, in the City of

Ottawa, Ontario.

Location: The Phase I Property is located on the north side of

the intersection of Dairy Drive and Old Montreal Road, in the City of Ottawa, Ontario. Refer to Figure

1 – Key Plan, appended to this report.

Latitude and Longitude: 45° 29' 35" N, 75° 28' 25" W.

Site Description:

Configuration: Irregular.

Site Area: 2.51 hectares (approximate).

Zoning: IL – Light Industrial Zone.

Current Use: The Phase I Property is currently vacant.

Services: The Phase I Property is located within a municipally

serviced area.



3.0 SCOPE OF INVESTIGATION

fol	follows:				
	Determine the historical activities on the Phase I Property and Study Area by conducting a review of readily available records, reports, photographs, plans, mapping, databases, and regulatory agencies;				
	Investigate the existing conditions present at the Phase I Property and Study Area by conducting site reconnaissance;				
	Conduct interviews with persons knowledgeable of current and historic operations on the subject property and, if warranted, neighbouring properties;				
	Present the results of our findings in a comprehensive report in general accordance with the requirements of Ontario Regulation 269/11 amending O.Reg. 153/04 made under the Environmental Protection Act and in compliance with the requirements of CSA Z768-01 (reaffirmed 2016);				
	Provide a preliminary environmental site evaluation based on our findings;				
	Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.				

The scope of work for this Phase I - Environmental Site Assessment was as



4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250 m was deemed appropriate for defining the study area for this assignment, henceforth referred to as 'The Phase I Study Area'. Properties located outside of the Phase I Study Area are not considered to have had the potential to impact the Phase I Property, based on their significant distances away from the site.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land.

City of Ottawa Street Directories

City of Ottawa street directories, from 1992 to 2010, were reviewed for the general area of the Phase I Property as part of this assessment.

A review of the directories did not identify any listings for the Phase I Property during the time period reviewed.

The surrounding lands have historically been listed as a combination of commercial, light industrial, and residential properties. Potentially contaminating activities (PCAs) identified in the directories for properties located within the Phase I Study Area are summarized below in Table 1:

Table 1 City Directories	- PCAs Identified Within Phase I	Study Area	
Address	Potentially Contaminating Activity (Years Listed)	Distance / Orientation from Site	Area of Potential Environmental Concern (Y / N)
Old Montreal Road			
996 Old Montreal Rd.	Ace Body Shop (1992-2010)	85 m South	N

Based on its separation distance, the off-site PCA identified in the directories is not considered to pose an environmental concern to the Phase I Property.



Fire Insurance Plans

Fire insurance plans (FIPs) are not available for the general area of the Phase I Property.

4.2 Environmental Source Information

National Pollutant Release Inventory

A search of the National Pollutant Release Inventory (NPRI) database was conducted as part of this assessment. This federally managed database provides various reports and tracking information relating to the release of solid, liquid, or gaseous pollutants from industrial facilities into the natural environment.

A search of this database did not identify any pollutant release records pertaining to the Phase I Property or for any properties situated within the Phase I Study Area.

Ontario PCB Waste Storage Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "Ontario Inventory of PCB Storage Sites, April 1995" was reviewed as part of this assessment. This document identifies all recorded active and closed PCB waste storage sites situated in the Province of Ontario.

A review of this document did not identify any former PCB waste storage sites situated on the Phase I Property.

One former PCB waste storage site was identified at 1001 Dairy Drive, the adjacent property to the north. This property was registered under the occupation of 'Ault Foods Ltd.', a food distribution facility, and is listed as a minor waste storage site, containing less than one liquid tonne of PCB waste material. Based on the limited reported quantities of PCB waste materials, a separation distance of approximately 75 m between the facility building and the shared property line with the Phase I Property, as well as its inferred down-gradient orientation with respect to anticipated groundwater flow, this former PCB waste storage site is not considered to have had the potential to impact the Phase I Property.



MECP Waste Disposal Site Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "Waste Disposal Site Inventory in Ontario, 1991" was reviewed as part of this assessment. This document includes all recorded active and closed waste disposal sites, industrial manufactured gas plants, and coal tar distillation plants situated in the Province of Ontario.

A review of this document did not identify any former waste disposal sites situated on the Phase I Property or within the Phase I Study Area.

MECP Coal Gasification Plant Inventory

The Ontario Ministry of Environment, Conservation and Parks document entitled, "Municipal Coal Gasification Plant Site Inventory, 1991" was reviewed as part of this assessment. This document provides a reference to the locations of former plants with respect to the Phase I Property.

A review of this document did not identify any former coal gasification plants located on the Phase I Property or within the Phase I Study Area.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment.

A review of the registry did not identify any Records of Site Condition (RSCs) filed for the Phase I Property or for any properties situated within the Phase I Study Area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information office for information with respect to records concerning environmental incidents, orders, offences, spills, discharges of contaminants, or inspections maintained by the MECP for the Phase I Property or any of the neighbouring properties.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.



MECP Submissions

A request was submitted to the MECP Freedom of Information office for information with respect to reports related to environmental conditions for the Phase I Property.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.

MECP Instruments

A request was submitted to the MECP Freedom of Information office for information with respect to certificates of approval, permits to take water, certificates of property use, or any other similar MECP issued instruments for the Phase I Property.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.

MECP Waste Management Records

A request was submitted to the MECP Freedom of Information office for information with respect to waste management records for the Phase I Property.

The response from the MECP indicated that no relevant records were identified pertaining to the Phase I Property.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically, as part of this assessment, to inquire about current and former fuel storage tanks, spills, and historical incidents for the Phase I Property as well as the neighbouring properties.

The response from the TSSA indicated that no records were identified pertaining to the Phase I Property or for any of the neighbouring properties in the Phase I Study Area.

A copy of the correspondence with the TSSA is included in Appendix 2.



OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for areas of natural and scientific interest (ANSI) situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website.

A review of the available mapping information did not identify any ANSI sites situated on the Phase I Property or within the Phase I Study Area.

City of Ottawa Old Landfill Sites

The document prepared by Golder Associates entitled, "Old Landfill Management Strategy, Phase I - Identification of Sites, City of Ottawa", was reviewed as part of this assessment. This document identifies the details and locations of all recorded active and closed landfill sites situated in the City of Ottawa.

A review of this document did not identify any active or closed landfill sites situated on the Phase I Property or within the Phase I Study Area.

City of Ottawa Historical Land Use Inventory (HLUI) Database

As part of this assessment, a requisition form was submitted to the City of Ottawa to request information from the City's Historical Land Use Inventory (HLUI) database for any environmental records pertaining to the Phase I Property as well as any properties situated within the Phase I Study Area.

The response from the City of Ottawa indicated that no relevant records were identified pertaining to the Phase I Property.

A copy of the submission request has been included in Appendix 2.

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated February 7, 2022, was acquired and reviewed as part of this assessment. This report provides a compilation of various provincial and federal environmental related records pertaining to any properties situated within the Phase I Study Area.

The complete ERIS report has been included in Appendix 2.



□ On-Site Records:

The ERIS report identified one record associated with the Phase I Property. This record pertains to an historical ERIS database search, which was previously carried out for the site in February 2013.

A review of this record did not identify any potential environmental concerns associated with the Phase I Property.

□ Off-Site Records:

The ERIS report identified 63 records associated with the properties situated within the Phase I Study Area. The majority of these records pertain to various domestic water wells installed for properties within the surrounding area. A review of these record did not identify any potential environmental concerns associated with the Phase I Property.

Several waste generator summary records were identified for both 1001 and 1010 Dairy Drive, the commercial properties located adjacent to the north and across the street to the west of the Phase I Property, respectively. Based on the nature of the waste products, the quantities generated, as well as the downgradient orientation of these properties with respect to anticipated groundwater flow, none of these waste materials are considered to have the potential to impact the Phase I Property.

The remaining off-site records identified in the ERIS report are listed for properties which are situated at a significant distance away, or are situated in a down-gradient or cross-gradient orientation, with respect to anticipated groundwater flow, and thus are not considered to pose an environmental concern to the Phase I Property.

Previous Engineering Reports

Prior to conducting this assessment, the following reports were reviewed:

"Phase I Environmental Site Assessment, 1045 Dairy Drive, Ottawa, Ontario", prepared by Pinchin Environmental Ltd., dated March 2013.

According to the historical research completed as part of the assessment, the Phase I Property had never been formally developed and had historically existed as either agricultural or vacant land. A review of aerial photographs from the 1990's identified areas of potential land disturbance on the Phase I Property, believed to be associated with the development of the property adjacent to the north.



Additional historical sources indicated that topsoil material was stripped from the adjacent property to the north at the time of development and stockpiled on the Phase I Property. Based on the nature of the material, as well as its native origins from the local area, this imported soil was deemed unlikely to result in any potential subsurface impact to the Phase I Property. No environmental concerns were identified with respect to the historical use of the Phase I Property.

An inspection of the Phase I Property was carried out as part of the assessment to investigate the existing conditions of the site. At the time of the site inspection, the Phase I Property was observed to be vacant and covered with grassland, shrubs, and occasional trees. No environmental concerns were identified with respect to the existing conditions of the Phase I Property.

Based on the findings of the assessment, no further environmental work was recommended.

□ "Subsurface Investigation Report, 1045 Dairy Drive, Ottawa, Ontario", prepared by Yuri Mendez Engineering, dated February 2019.

As part of the geotechnical subsurface investigation, four boreholes (BH1-BH4) were advanced throughout the Phase I Property to an average depth of approximately 5.5 m below the existing ground surface.

In general, the subsurface strata consisted of a thin layer of topsoil, underlain by brown silty clay which turned grey at depths of approximately 4.5 m below the existing ground surface. This silty clay layer was assumed to function as the local near-surface aquifer, with the water table generally encountered at depths ranging from approximately 2.9 m to 5.2 m below the existing ground surface. A dynamic cone penetration test (DCPT) was also carried out at BH4, which extended to a depth of approximately 31.0 m below the existing ground surface and was terminated on inferred bedrock.

A significant amount of fill material was encountered within the centre of the Phase I Property which, according to the borehole logs from BH3 and BH4, consisted mainly of dark grey clay. As previously discussed above, this fill material is considered to be excess topsoil stripped from the adjacent property to the north during its development in the 1990's and stockpiled on the Phase I Property. Based on the nature of the material, the lack of any deleterious substances encountered, as well as its native origins from the local area, this imported soil is not considered to result in any potential subsurface impact to the Phase I Property.



4.3 Physical Setting Sources

Aerial Photographs

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library and reviewed in approximate ten year intervals, beginning with the earliest available photograph.

Based on a review of these photographs, the following observations have been made:

1921	The Phase I Property and the surrounding lands appear to be vacant and used for agricultural purposes at this time. Old Montreal Road can be seen adjacent to the south of the Phase I Property.
1949	(Poor Scale) No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph.
1960	No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph.
1976	No significant changes are apparent with respect to the Phase I Property since the time of the previous photograph. Residential dwellings can be seen to the east and south of the Phase I Property.
1991	No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous photograph.
2002	The Phase I Property no longer appears to be used for agricultural purposes at this time, and a large mound of fill material appears to be present in the centre of the site. The adjacent property to the north appears to be occupied with the existing food distribution facility, while the adjacent property to the west appears to be under construction with the existing food processing facility.
2011	No significant changes are apparent with respect to the Phase I Property or the surrounding lands since the time of the previous

photograph.



2019

No significant changes are apparent with respect to the Phase I Property since the time of the previous photograph, though several gravel fill piles can be seen placed in the southwestern corner of the site. Dairy Drive can be seen adjacent to the west of the Phase I Property. The Phase I Property and the surrounding lands appear in this photograph as they do today.

Copies of the aerial photographs selected for review are included in Appendix 1.

Water Bodies

No water bodies are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is Cardinal Creek, located approximately 45 m to the east, which flows in a northerly direction towards the Ottawa River, located approximately 1.0 km to the north.

Geological Maps

Geological mapping information for the Phase I Property was obtained from The Geological Survey of Canada – Urban Geology of the National Capital Area and reviewed as part of this assessment.

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of interbedded limestone and shale of the Gull River Formation, whereas the surficial geology consists of offshore marine sediments (erosional terraces) with an overburden ranging in thickness from approximately 15 m to 25 m.

Topographic Maps

A topographic map of the Phase I Property was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as part of this assessment.

The topographic map indicates that the general elevation of the Phase I Property is approximately 60 m above sea level, while the regional topography within the greater area is depicted as sloping downwards to the north, in the general direction of the Ottawa River.

An illustration of the referenced topographic map is presented on *'Figure 2 – Topographic Map'*, appended to this report.



Physiographic Maps

A physiographic map was obtained from the Natural Resources Canada – The Atlas of Canada website and reviewed as a part of this assessment.

According to the publication and available mapping information, the Phase I Property is situated within the St. Lawrence Lowlands. According to the description provided: "...the lowlands are plain-like areas that were affected by the Pleistocene glaciations and are therefore covered by surficial deposits and other features associated with the ice sheets." The Phase I Property is specifically located within the Central St. Lawrence Lowland area, which is rarely more than 150 m above sea level.

MECP Water Well Records

A search of the MECP Well Records website was conducted as part of this assessment. This database provides information for all recorded water wells installed within the Province of Ontario.

A search of the database identified 31 well records situated within the Phase I Study Area. These records pertain to wells installed between 1949 and 2017 and used for either domestic household or groundwater monitoring purposes. While the lands surrounding the Phase I Property are largely serviced with municipal water infrastructure today, there is a potential for viable drinking water wells to remain in use within Phase I Study Area.

According to the recorded stratigraphic information in the well records, the overburden stratigraphy in the vicinity of the Phase I Property generally consists soft grey/blue clay intermixed with occasional boulders at deeper depths. Bedrock, consisting of shale and limestone, was generally encountered at an average depth of approximately 15 m below ground surface.

A select number of the aforementioned well records have been included in Appendix 2.



5.0 PERSONAL INTERVIEWS

Mr. Ryan Barresi, a representative of the current property owner, was contacted via email to respond to questioning about the history of the Phase I Property.

According to Mr. Barresi, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land.

Mr. Barresi was aware of a significant stockpile of soil material present on the Phase I Property. According to Mr. Barresi, this soil consists of topsoil stripped from the adjacent property to the north, during its development in the 1990's, and stockpiled on the Phase I Property.

Mr. Barresi was unaware of any potential environmental concerns associated with the Phase I Property or with any of the neighbouring properties situated within the Phase I Study Area.



6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site inspection was carried out for the Phase I Property on February 3, 2022, between 9:00 AM and 10:00 AM. Weather conditions were overcast, with a temperature of approximately -10 °C.

The site inspection was carried out by Mr. Nick Sullivan, from the Environmental Department of Paterson Group.

In addition to the Phase I Property, the present day uses of the neighbouring properties within the Phase I Study Area were also assessed at the time of the site inspection.

6.2 Site Inspection Observations

Site Description

The Phase I Property is currently vacant and consists predominantly of grassland and occasional mature trees. It should be noted that the Phase I Property was largely snow covered at the time of the site inspection, and as a result, a detailed assessment of the ground surface conditions could not be completed.

The site topography appears to slope gently downwards to the north, in the general direction of the Ottawa River, which is consistent with the greater regional topography. The Phase I Property is considered to be at grade with respect to the adjacent streets and the neighbouring properties.

Water drainage on the Phase I Property occurs primarily via infiltration throughout the site. No ponded water, stressed vegetation, surficial staining, or any other indications of potential sub-surface contamination were observed on the Phase I Property at time of the site inspection.

A depiction of the Phase I Property is illustrated on Drawing PE5609-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

No buildings or structures are currently present on the Phase I Property.



Potential Environmental Concerns

☐ Fill Material

At the time of the site inspection, several small piles of imported fill material were identified in the southwestern corner of the Phase I Property. Upon closer inspection, it was determined that these piles consisted of crushed stone and gravel, and thus is not considered to pose any potential environmental concern to the Phase I Property. This material is suspected to have originated from the reconstruction and extension of Dairy Drive in the early 2010's.

A significant mound of fill material was identified in the centre of the Phase I Property which, according to the previous environmental reports prepared for the site, consists mainly of topsoil stripped from the adjacent property to the north during its development in the 1990's. Based on the nature of the material, as well as its native origins from the local area, this imported soil is not considered likely to result in any potential subsurface impact to the Phase I Property.

☐ Fuels and Chemical Storage

At the time of the site inspection, no chemical storage areas, above ground storage tanks (ASTs), or evidence indicating the presence of any underground storage tanks (USTs) were observed on the Phase I Property.

☐ Hazardous Materials and Unidentified Substances

At the time of the site inspection, no hazardous materials, unidentified substances, spills, surficial staining, abnormal odours, stressed vegetation, or any other indications of potential sub-surface contamination were observed on the Phase I Property.

□ Polychlorinated Biphenyls (PCBs) and Transformer Oil

At the time of the site inspection, no electrical transformers or any other potential sources of PCBs or transformer oil were identified on the Phase I Property.

■ Waste Management

At the time of the site inspection, no waste materials were observed to be generated, stored, or disposed of on the Phase I Property.



Neighbouring Properties

At the time of the site inspection, a survey of the neighbouring properties was conducted from publicly accessible roadways.

Land use adjacent to the Phase I Property was observed as follows:

North: A food distribution facility, followed by vacant land;

South: Old Montreal Road, followed by residential dwellings;

East: A residential dwelling, followed by Cardinal Creek;

West: Dairy Drive, followed by a food processing facility and agricultural

land.

Based on observations made at the time of the site inspection, the present day uses of the neighbouring properties are not considered to pose any potential environmental concern to the Phase I Property.

The neighbouring land use within the Phase I Study Area is depicted on Drawing PE5609-2 – Surrounding Land Use Plan, in the Figures section of this report.



7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land.

Potentially Contaminating Activities (PCAs)

Based on the findings of this Phase I ESA, no PCAs were identified on the Phase I Property.

Two PCAs were identified with respect to other off-site properties situated within the Phase I Study Area. These PCAs are described as follows:

	1001 Dair	y Drive (a	djacent to	the north)	 Former PCE 	3 waste storage site.
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	996 Old Montre	al Road (85 n	n south) – Existi	ng auto body	/ repair shop.
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Based on their separation distances, as well as their inferred down-gradient or cross-gradient orientation with respect to anticipated groundwater flow, none of these PCAs are considered to pose any environmental concern to the Phase I Property.

Areas of Potential Environmental Concern (APECs)

Based on the findings of this Phase I ESA, no APECs were identified on the Phase I Property.

Contaminants of Potential Concern (CPCs)

Based on the findings of this Phase I ESA, no CPCs were identified on the Phase I Property.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on the available mapping information, the bedrock beneath the Phase I Property generally consists of interbedded limestone and shale of the Gull River Formation, whereas the surficial geology consists of offshore marine sediments (erosional terraces) with an overburden ranging in thickness from approximately 15 m to 25 m.



Groundwater is anticipated to be encountered within the overburden and flow in a northerly direction towards the Ottawa River.

Water Bodies and Areas of Natural and Scientific Interest

No water bodies or areas of natural and scientific interest are present on the Phase I Property.

The nearest named water body with respect to the Phase I Property is Cardinal Creek, located approximately 45 m to the east, which flows in a northerly direction towards the Ottawa River, located approximately 1.0 km to the north.

Existing Buildings and Structures

No buildings or structures are currently present on the Phase I Property.

Current and Future Property Use

The Phase I Property currently consists of vacant land.

It is our understanding that the Phase I Property is to be redeveloped for commercial purposes.

Drinking Water Wells

While the lands surrounding the Phase I Property are largely serviced with municipal water infrastructure today, there is a potential for viable drinking water wells to remain in use within Phase I Study Area.

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist of a combination of commercial, light industrial, residential, and agricultural properties.

Current land use is depicted on Drawing PE5609-2 – Surrounding Land Use Plan, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

As per Section 7.1 of this report, no potentially contaminating activities (PCAs) or areas of potential environmental concern (APECs) were identified on the Phase I Property.



o PCAs were identified with respect to other off-site properties situated within Phase I Study Area. These PCAs are described as follows:
1001 Dairy Drive (adjacent to the north) – Former PCB waste storage site.
996 Old Montreal Road (85 m south) – Existing auto body repair shop.

Based on their separation distances, as well as their inferred down-gradient or cross-gradient orientation with respect to anticipated groundwater flow, none of these PCAs are considered to pose any environmental concern to the Phase I Property.

Contaminants of Potential Concern

Based on the findings of this Phase I ESA, no CPCs were identified on the Phase I Property.

Assessment of Uncertainty and/or Absence of Information

The information available for review as part of the preparation of this Phase I ESA is considered to be sufficient to conclude that there are no PCAs or APECs associated with the Phase I Property.

The absence of any PCAs was confirmed by a variety of independent sources, and as such, the conclusions of this report are not affected by uncertainty which may be present with respect to the individual sources.



8.0 CONCLUSIONS

Assessment

Paterson Group was retained by TBROS Limited to conduct a Phase I – Environmental Site Assessment (Phase I ESA) for the property addressed 1015-1045 Dairy Drive, in the City of Ottawa, Ontario. The purpose of this Phase I ESA was to research the past and current use of the site and study area and to identify any environmental concerns with the potential to have impacted the Phase I Property.

Based on a review of available historical information, the Phase I Property has never been formally developed, and has historically existed as either agricultural or vacant land. During the development of the adjacent property to the north in the 1990's, it was reported that the topsoil was stripped from the land and stockpiled on the Phase I Property. Based on the nature of the material, its native origins, as well as observations made during a previous geotechnical investigation, this imported soil is not considered to pose an environmental concern to the Phase I Property.

The surrounding lands within the Phase I Study Area have historically been developed for a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the historical use of the neighbouring properties.

Presently, the Phase I Property is vacant and consists largely of grassland with occasional trees. No environmental concerns were identified with respect to the current use of the Phase I Property.

The surrounding lands within the vicinity of the Phase I Property consist mainly of a combination of commercial, light-industrial, community, and residential purposes. No environmental concerns were identified with respect to the current use of the neighbouring properties.

Based on the findings of this assessment, it is our opinion that a Phase II – Environmental Site Assessment will not be required for the Phase I Property.



Recommendations

As previously noted, there is a significant volume of fill material present on the Phase I Property. If this soil is removed from the site during future site development, it will be subject to testing and other aspects of Ontario Regulation 406/19. Any future site development should try to achieve a zero balance cut/fill ratio, however, if this is not considered feasible then it is recommended that a soil quality testing program be carried out. More information on this subject can be provided upon request.



9.0 STATEMENT OF LIMITATIONS

This Phase I – Environmental Site Assessment report has been prepared in general accordance with O.Reg. 153/04, as amended, and generally meets the requirements of CSA Z768-01 (reaffirmed 2016). The conclusions presented herein are based on information gathered from a limited historical review and field inspection program. The findings of the Phase I ESA are based on a review of readily available geological, historical, and regulatory information as well as a cursory review made at the time of the field assessment. The historical research relies on information supplied by others, such as local, provincial, and federal agencies and was limited within the scope-of-work, time, and budget of the project herein.

Should any conditions be encountered at the Phase I Property and/or historical information that differ from our findings, we request that we be notified immediately in order to allow for a reassessment.

This report was prepared for the sole use of TBROS Limited. Permission and notification from TBROS Limited and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.

N. Sullin

Nick Sullivan, B.Sc.

Mark S. D'Arcy, P.Eng., QPESA



Report Distribution:

- TBROS Limited
- Paterson Group Inc.



10.0 REFERENCES

Federal Records
 Natural Resources Canada: Air Photo Library. Natural Resources Canada: The Atlas of Canada. Geological Survey of Canada: Surficial and Subsurface Mapping. Environment Canada: National Pollutant Release Inventory. National Archives of Canada.
Provincial Records
 MECP: Freedom of Information and Privacy Office. MECP: Municipal Coal Gasification Plant Site Inventory, 1991. MECP: Waste Disposal Site Inventory, 1991. MECP: Brownfields Environmental Site Registry. MECP: Water Well Inventory. Ontario PCB Waste Storage Site Inventory. Office of Technical Standards and Safety Authority, Fuels Safety Branch. Ministry of Natural Resources and Forestry Areas of Natural Significance. Chapman, L.J., and Putnam, D.F., 1984: 'The Physiography of Southern Ontario, Third Edition', Ontario Geological Survey Special Volume 2.
Municipal Records
 City of Ottawa: eMap website. City of Ottawa: Historical Land Use Inventory Database City of Ottawa: document entitled, "Old Landfill Management Strategy, Phase I – Identification of Sites", prepared by Golder Associates, 2004.
Local Information Sources
☐ Personal Interviews.
Public Information Sources
ERIS Database Report.Google Earth.

☐ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE5609-1 – SITE PLAN

DRAWING PE5609-2 – SURROUNDING LAND USE PLAN

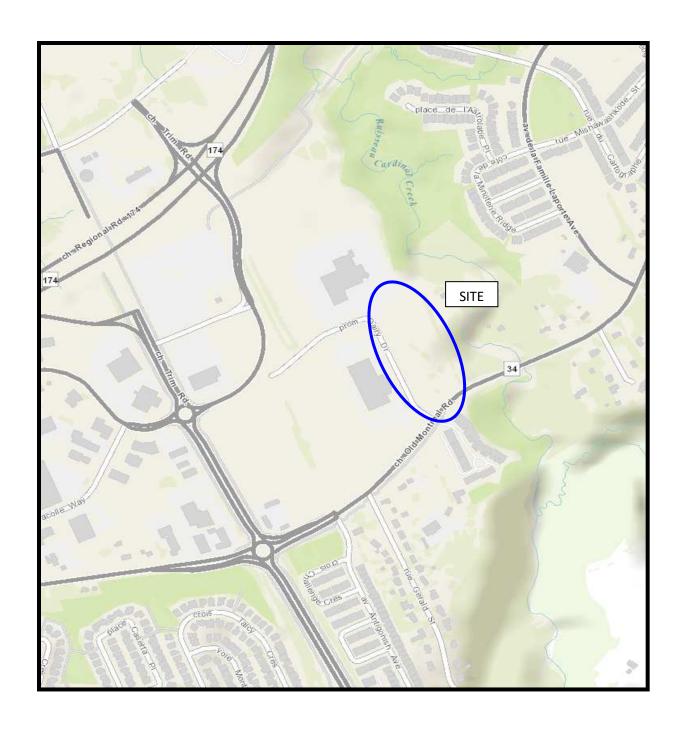


FIGURE 1 KEY PLAN

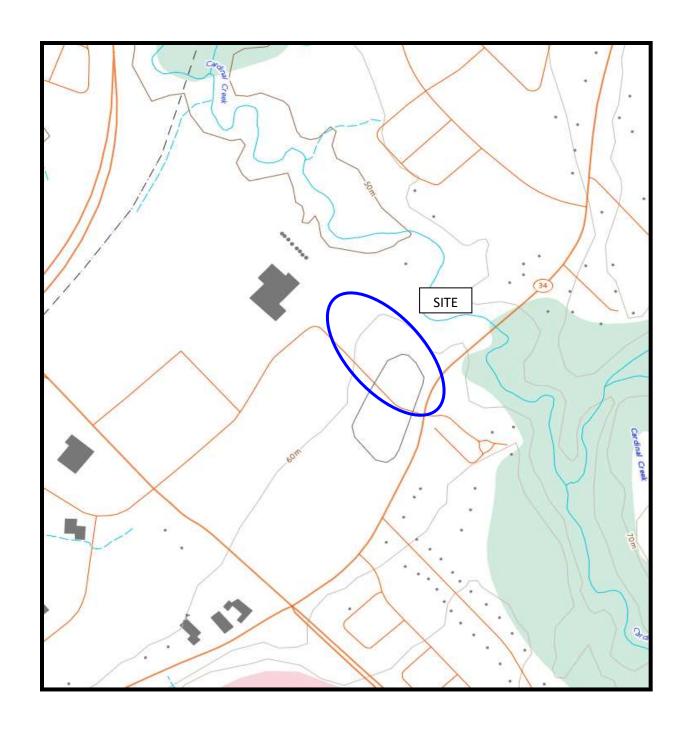
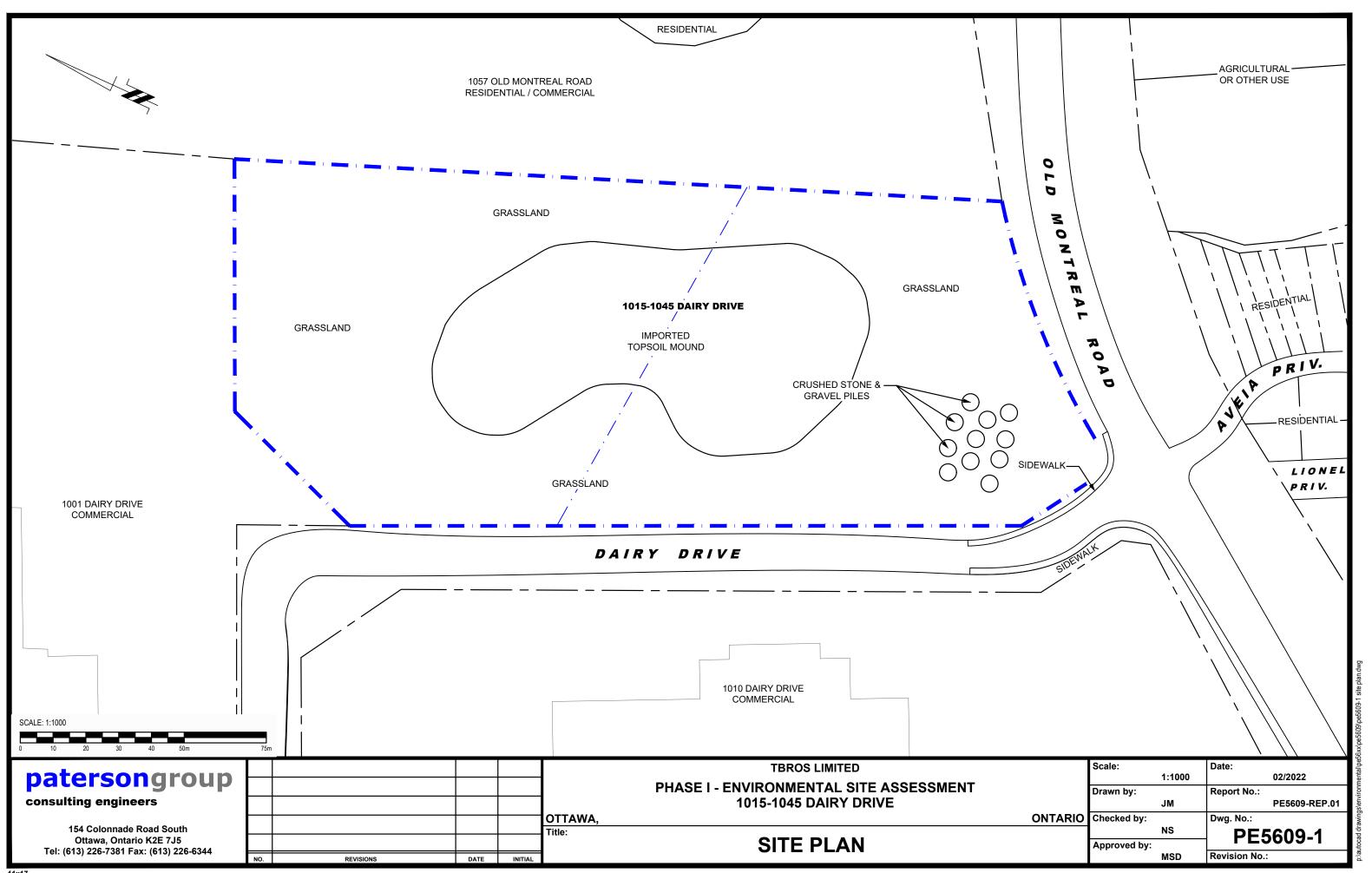
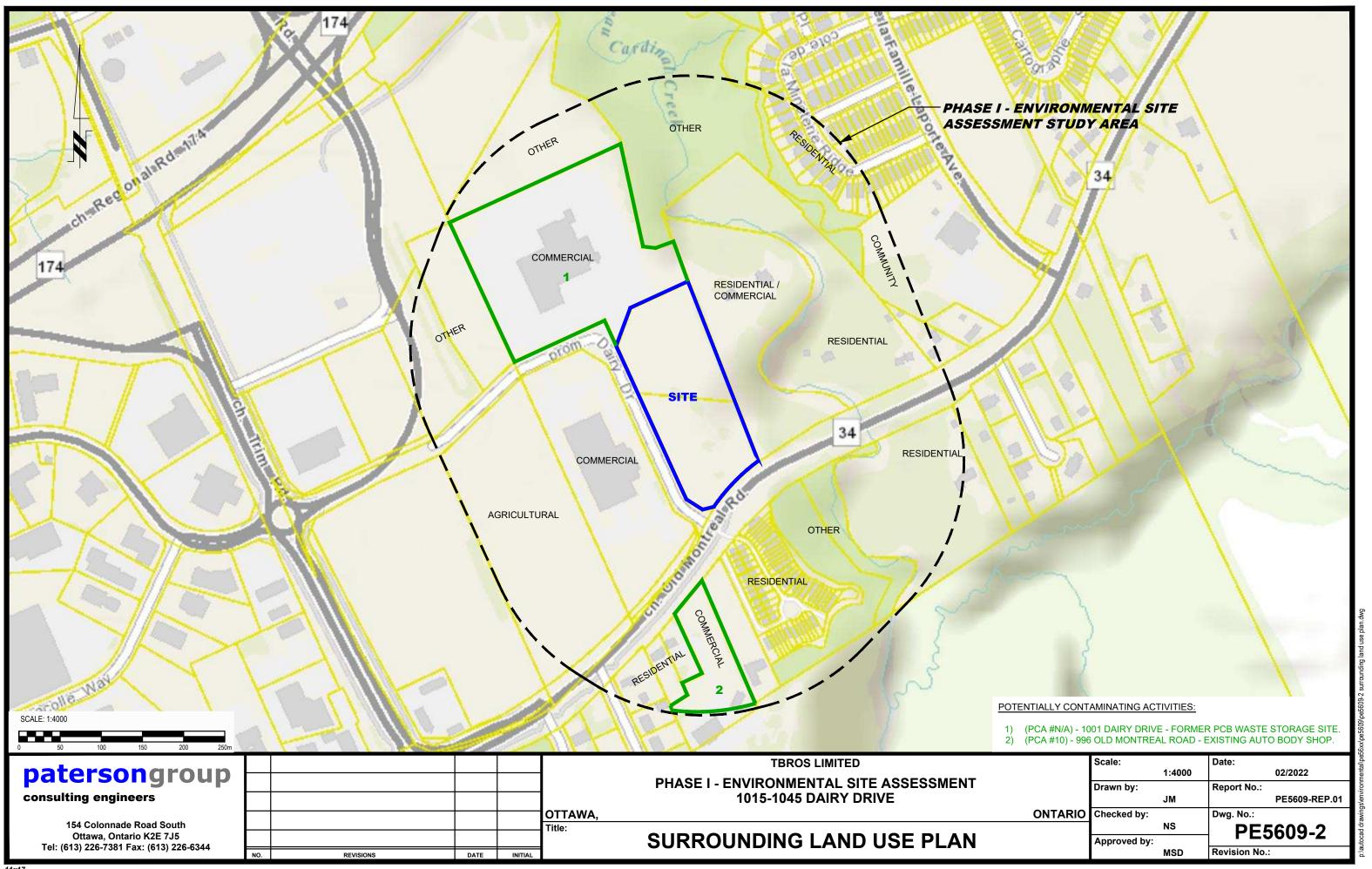


FIGURE 2 TOPOGRAPHIC MAP

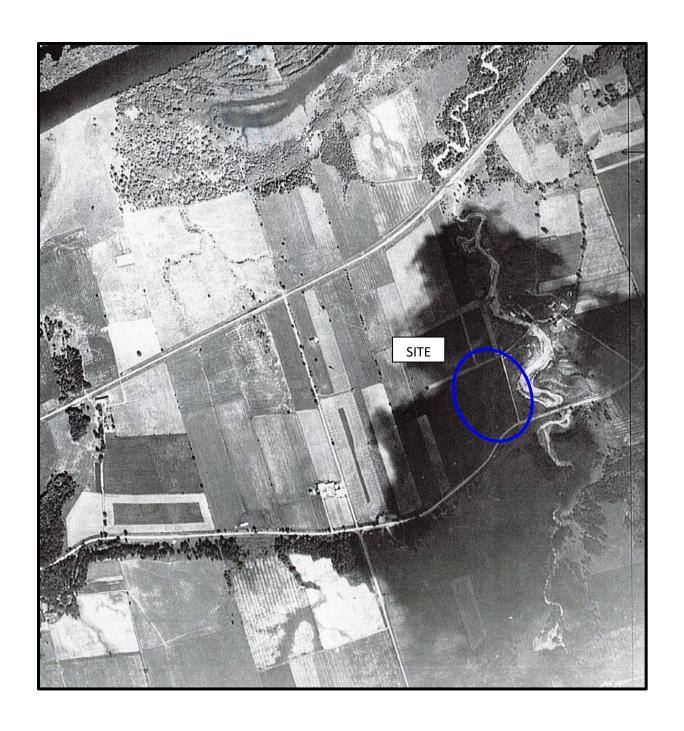
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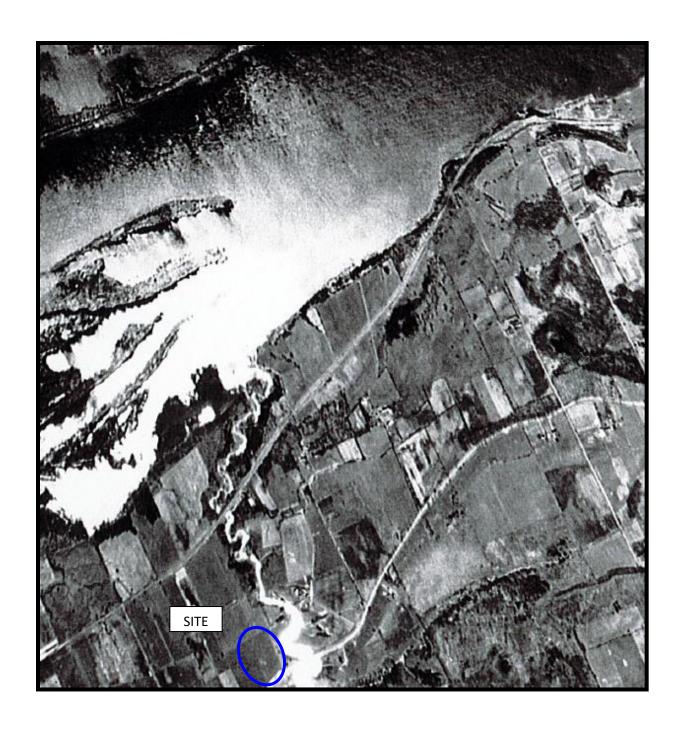


APPENDIX 1

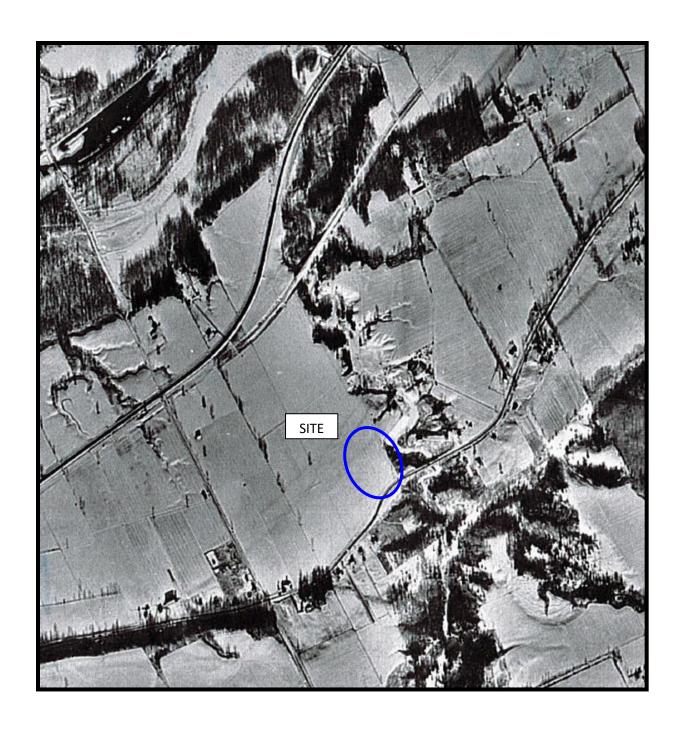
AERIAL PHOTOGRAPHS
SITE PHOTOGRAPHS



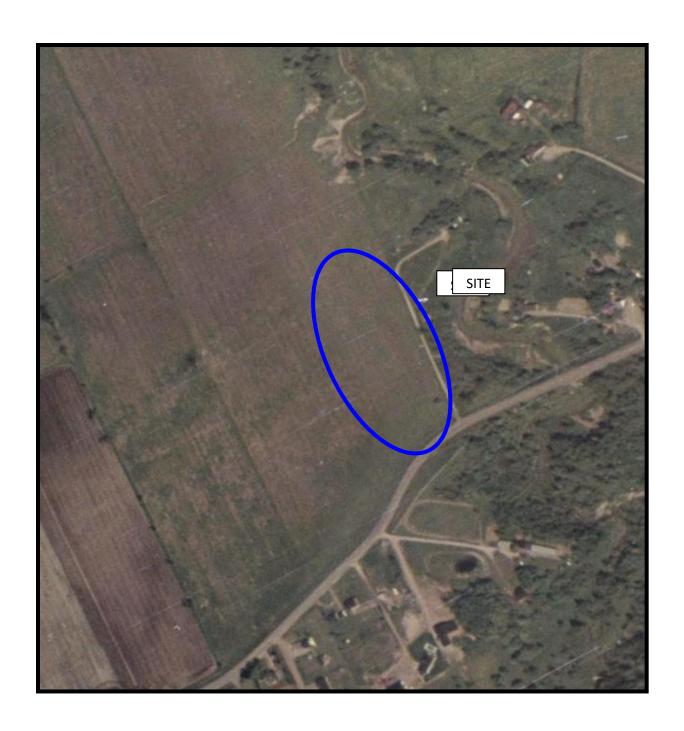
AERIAL PHOTOGRAPH 1921



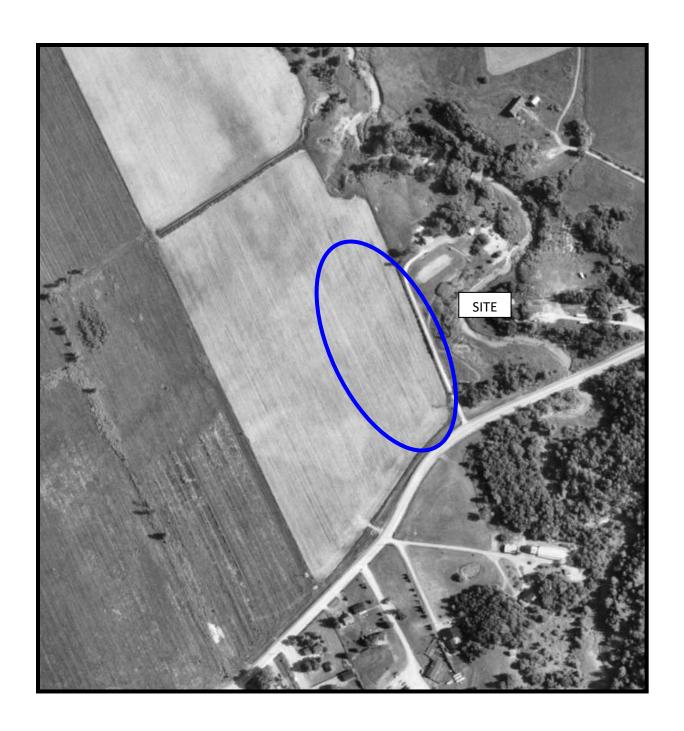
AERIAL PHOTOGRAPH 1949



AERIAL PHOTOGRAPH 1960



AERIAL PHOTOGRAPH 1976



AERIAL PHOTOGRAPH 1991



AERIAL PHOTOGRAPH 2002



AERIAL PHOTOGRAPH 2011



AERIAL PHOTOGRAPH 2019



Photograph 1: View of the central portion of the Phase I Property, facing east from Dairy Drive.



Photograph 2: View of the snow-covered crushed stone and gravel piles, located in the southwestern corner of the Phase I Property, facing south from Dairy Drive.



Photograph 3: View of the southern portion of the Phase I Property, facing north from Old Montreal Road.



Photograph 4: View of the northern portion of the subject site, facing south from Dairy Drive.

APPENDIX 2

MECP FREEDOM OF INFORMATION RESPONSE

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI RESPONSE

ERIS DATABASE REPORT

Ministry of the Environment, Conservation and Parks

Access and Privacy Office

40 St. Clair Avenue West Toronto ON M4V 1M2 Tel: (416) 314-4075

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

12e étage

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



September 12, 2022

Nick Sullivan
Paterson Group Inc.
154 Colonnade Road
Ottawa, Ontario K2E 7J5
nsullivan@patersongroup.ca

Dear Nick Sullivan:

RE: MECP FOI A-2022-00968, Your Reference PE5609 – Decision Letter

This letter is in response to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to 1045 Dairy Drive, Ottawa.

After a thorough search through the files of the ministry's Ottawa District Office, Environmental Assessment and Permissions Division (EAPD), Environmental Monitoring and Reporting Branch Sector Enforcement Branch (formerly Environmental Investigations and Enforcement Branch and Sector Compliance Branch) and Safe Drinking Water Branch, no records were located responsive to your request. **This file is now closed.**

You may request a review of my decision within 30 days from the date of this letter by contacting the Information and Privacy Commissioner/Ontario at http://www.ipc.on.ca. Please note there may be a fee associated with submitting the appeal.

If you have any questions, please contact Brandy Booker at Brandy.Booker@ontario.ca

Yours truly,

ORIGINAL SIGNED BY

Ryan Gunn Manager (A), Access and Privacy Office

Elev. 7 R 5101317151110 Water Rescuently or District Country or District Country or District Country or Theor Theor 28	LL REC 31 Township, Village, 'Date completed	NOV ORDURO 64/66 Town or City	Cumberland	7.65 1 Ont
	dressCum		- T	
Total length of casing Type of screen Length of screen Casing and Screen Record 75' Type of screen	Test-pumping a Pumping level Duration of test	rate 22 60' pumping	12 2 Hrs	G.P.M.
Depth to top of screen Diameter of finished hole 2"	Recommended	pumping rate.	feet belo	G.P.M.
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Gravel Sand Grey Limeston	70' 73'	73'	871	Fresh
For what purpose(s) is the water to be used? Domestic	road an		of Well distances of we	
Is well on upland, in valley, or on hillside? Drilling or Boring Firm G. CHARBONNEAU DIAMOND DRILLER ARTESIAN WELLS Address ORLEANS, ONT. R.R. 1 Licence Number 224 Name of Driller or Borer G. C.	ORLEANS.	C! MILE	5/7·	
Address Date Aug 17/61 (Signature of Licensed Drilling or Boring Contractor) Form 7 15M Sets 60-5930 OWRC COPY	70		38	o .

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	with	n pump settii	ng of 20	o feet belo	w ground surface
Well Log				Water	Record
Overburden and Bedrock Record		From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
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For what purpose(s) is the water to be used? Is well on upland, in valley, or on hillside hillside upland Drilling or Boring Firm		0		of Well distances of well icate north by	7
G. Charbonneau, Diamond & Cable Drilling,			and the same of th		40
Address R. R. # 1, Box 194, Orleans, Ont.					/
Licence Number 1025		11		ž.	17
Name of Driller or Borer G. Charbonneau				-i	OLDI
Address R. R. # 1, Orleans, Ont.		-	MILE.	->/-	and the second
Date 28 November 1968.	10	10		1,2	
(Signature of Licensed Drilling or Boring Contractor)	30	30)	
Form 7 15M-60-4138	/	1 3			
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WATER RESOURCE UTM 448 2 4460 3 2 2 1 6 1 0 E 1513135 1 9 R 5 0 3 7 6 9 9 Phe Ontario Water Resources Commission Act MAY 12 ONTARIO V 314/6eTownship, Village, Town or City. Russell Q.F. Con I Re 28 Date completed March 24, 1965 RR #1. Cumberland Ont. Casing and Screen Record **Pumping Test** Inside diameter of casing 61/2 Static level 30! Total length of casing 26. Test-pumping rate 14 G.P.M. 601 Type of screen Pumping level.... Duration of test pumping 3 hrs. Length of screen Water clear or cloudy at end of test Clear Depth to top of screen Diameter of finished hole 6" Recommended pumping rate 6 G.P.M. feet below ground surface with pump setting of 70 Well Log **Water Record** Depth(s) at Kind of water From Overburden and Bedrock Record (fresh, salty, sulphur) which water(s) found 0 8 Broken rock and clay Grey Limestone 8 XXX 180 White sand stone 180 183 183**KTXXX** Fresh Location of Well For what purpose(s) is the water to be used? Domestic & green house In diagram below show distances of well from road and lot line. Indicate north by arrow. Upland Is well on upland, in valley, or on hillside? Drilling or Boring Firm G. Charbonneau Diamond & Cable Drilling Address RR #1, Box 194, Orleans, Ont. Licence Number 1331 Name of Driller or Borer Bruck Stacey, RR #1, Jasper, Ont. March 24, 1965 Date.... KOLKBOO PERS Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138 OWRC COPY

UTM 1 8 Z 4 6 3 2 6 0 E Ottation 5 0 3 7 6 2 9 N Ontario Water Res	sources Commission		water re 56 Nº JAN 1 ONTARIO	on 76 9 1965
Basinty of District From Ottawa B. Lot 28	Township, Village, T	G/be Town or City		
	lress Cumbe	erland, Ont		
Casing and Screen Record		Pumpin	g Test	
Inside diameter of casing 2"	Static level	25		
Total length of casing 50!	Test-pumping ra			
Type of screen	Pumping level			
Length of screen	Duration of test I	pumping	2 hrs.	
Depth to top of screen	Water clear or cle	oudy at end of	test clear	
Diameter of finished hole 2"	Recommended p	pumping rate	8	G.P.M
	with pump setting	ng of 40	feet belo	w ground surface
Well Log			Water	r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay grey limestone	0 4 5	59 59	55 59	$ extbf{fresh}$
For what purpose(s) is the water to be used? domestic		Location	of Well	<u> </u>
Is well on upland, in valley, or on hillside? hillside Drilling or Boring Firm G.Charbonneau, Diamond & Cable Drilling, Address R.R. # 1, Box 194, Orleans, Ont. Licence Number 1418 Name of Driller or Borer G.Charbonneau Address Orleans, Ont. R.R. # 1. Date 20 September 1964. Signature of Licensed Drilling or Boring Contractor)	road and		distances of we dicate north by	
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	CIT CSS		J	
Casing and Screen Record		Pumping		
Inside diameter of casing 2"	Static level			
Total length of casing 38.				G.P.M.
Type of screen	Pumping level			
Length of screen	Duration of test			
Depth to top of screen	Water clear or cl			
Diameter of finished hole 2"	·	• •		G.P.M.
	with pump settir	ng of 25!	Т	w ground surface
Well Log		T		Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
Blue clayCoarse gravel	30	30 38	38	Fresh
1M [18 2 4 6 3 2 0 0]			,,	riesm
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For what purpose(s) is the water to be used? Domestic Is well on upland, in valley, or on hillside? upland Drilling or Boring Firm G. Charbonneau Diamond & Cable Drilling RR #1, Box 194, Orleans, Ont. Licence Number 1331 Name of Driller or Borer G. Charbonneau Address RR #1, Box 194, Orleans, Ont. Date March 12, 1965 Date March 12, 1965	•	lot line. Indi	distances of well cate north by	MORTH
Form 7 15M-60-4138 OWRC COPY			ON A D	Prof.

The Ontario Water Resources Commission Act 1513138 ATER WELL RECOR 1. PRINT ONLY IN SPACES PROVIDED
2. CHECK CORRECT BOX WHERE APPLICABLE NSHIP, BOROUGH, CITY, COUNTY OR DISTRICT Tuesd Cumberland Carleton 69 R. 1, Cumberland, Ont. ма 8 0175 3₁7,5'17,0 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) DEPTH MOST OTHER MATERIALS GENERAL COLOUR COMMON MATERIAL Ω 60 hlue clay 60 68 limestone grey 0 1415 21 32 43 43 54 65 75 SIZE(S) OF OPENING
(SLOT NO.)

MATERIAL AND TYP 51 CASING & OPEN HOLE RECORD 41 WATER RECORD WALL THICKNESS INCHES WATER FOUND KIND OF WATER MATERIAL MATERIAL AND TYPE FROM то 1 FRESH 2 SALTY 3 SULPHUR 0068 02 4 🗌 MINERAL 2 GALVANIZED 3 CONCRETE 0062 510 **PLUGGING** & SEALING RECORD 1 🗌 FRESH 4 OPEN HOLE 2 🗌 SALTY 4 | MINERAL 20-23 DEPTH SET AT - FEET 1 □ STEEL MATERIAL AND TYPE 2 GALVANIZED 1 🗌 FRESH 3 🗌 SULPHUR 4 🗌 MINERAL 0068 2 SALTY CONCRETE 4 OPEN HOLE 3 SULPHUR 22-25 1 G STEEL
2 GALVANIZED 2 SALTY 4 MINERAL 30-33 1 | FRESH 3 T SULPHUR 3 CONCRETE 2 SALTY 4 OPEN HOLI LOCATION OF WELL 15-16 _HOURS . PUMP IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW. //0/08 1 PUMPING 2 RECOVERY WATER LEVELS DURING TEST MINUTES 26-28 0502 1 CLEAR 2 ☐ CLOUDY 060 FEET RATE DEEP 000.4 GPM./FT. SPECIFIC CAPACITY 1 WATER SUPPLY
2 OBSERVATION WELL 5 ABANDONED, INSUFFICIENT SUPPLY FINAL 6 ABANDONED, POOR QUALITY
7 UNFINISHED **STATUS** 3 ☐ TEST HOLE OF WELL DOMESTIC 5 COMMERCIAL 6 MUNICIPAL *STOCK 500 WATER 3 | IRRIGATION 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING USE 0/ 4 🗌 INDUSTRIAL 9 - NOT USED OTHER 6 BORING
DIAMOND 1 ☐ CABLE TOOL **METHOD** 3 ROTARY (REVERSE) 4 ROTARY (AIR)
5 AIR PERCUSSION DRILLING 9 DRIVING 300770 1504 INSPECTOR Z Charbonneau, Diamond & Cable Drilling, DATE OF INSPECTION R. R. 1, Box 194, Orleans, Ont. REMARKS NAME OF DRILLER OR BORER LICENCE NUMBER OFFICE Charbonneau OWRC COPY

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Basjn 42 15	1 1



15131394 GROUND WATER BRANCH SEP 10 1957

The Water-well Drillers Act, 1954 Department of Mines

ONTARIO WATER

	Pipe and Cas	ing Record	Pumping Test	
Date Complet	(day)	(month)	(year)	
			ddress	X/
County or Te	erritorial District	Rusself	316/6e Township, Village, Town or City	n
_	,		Well Record	

Casing diameter(s) Length(s) Type of screen Length of screen	IONE	St Pt Pt	atic level	o feel 400 go 25 fee	poer
Well Log				Water Record	
On when and Podrock Perord	From	То	Depth(s) at which	No. of feet	Kind of water (fresh, salty,

Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, or sulphur)
Blue clay gry limestone	0	60			
12:	60	70	70	60	gresh
gry limestone					/

For what purpose (s) is the water to be used?
Is water clear or cloudy?
Is well on upland, in valley, or on hillside?
Drilling firm Charles
Address Ost
J. S.A. A.
Name of Driller Jesus Charless Address Ont
Name of Dimer and
Address Churas Com
•
Licence Number
I certify that the foregoing
statements of fact are true/
statements of fact are true
En 1 Kl. d.
Date Marving
DateSignature of Licenses

Location of Well

In diagram below show distances of well from road and lot line. Indicate north by arrow.

10198

Basin 2 15 Department of O.f. Cont lost 29 Water County or District. RUSSELL Tp.	dress. Cumber	COrd Office 1513 Con Lot 29. Pt. Lot Land Acres	140-
Pipe and Casing Record	<u> </u>	Pumping Test	
Casing diameter(s) Length(s) of casing(s) Length of screen Type of screen Type of pump Capacity of pump Depth of pump setting	 Duration of Test Pumping Rate Drawdown Static level of compl	leted well.	
·	Water Record	······································	
Kind (fresh or mineral) Quality (hard, soft, contains iron, sulphur etc.) Appearance (clear, cloudy, coloured) For what purpose(s) is the water to be used? How far is well from possible source of contamination What is source of contamination? Enclose a copy of any mineral analysis that has been	rusehold & Sto no 50, ft., ny and	ck.	No. of Feet Water Rises
Enclose a copy of any inflieral analysis that has been	omade of water		
Drift and Bedrock Record Boulders & Stone The specific grants 3 ff of rock Line 100	From To O ftft.	In diagram below show dist from road and lot line	
Situation: Is well on upland, in valley, or on hillsi	ide?hillsuc	Let 30 House	200/ Bart Well
Drilling Firm John W. Udam Address Sams aquiell Recorded by John W. E. Date	Licen	ess Samsayul nce Number 3.89	Le.

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TAT.	T 17-4 00	com	pleted Oct 11/	month	year)
		ress	Orleans Ont	······································	
Casing and Screen Record	1		Pum	ping Test	
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Total length of casing	60'	Test-pu	mping rate	9	G.P.M.
Type of screen		ł	ng level On of test pumping	2 H rs	
Length of screen		1	on of test pumping clear or cloudy at e	end of test	Clear
Depth to top of screen Diameter of finished hole 2"	·····		mended pumping	rate 9	G.P.M.
Diameter of finished noie		XXII	KXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX	K Set 40'	
Well Log			Wat	ter Record	
	From ft.	To ft.	Depth(s) at which water(s)	No. of feet water rises	Kind of water (fresh, salty, sulphur)
Overburden and Bedrock Record		401	found		Suipilui,
Blue Clay Bolders	48'	<u>48'</u> 58'			
Grey Limestone	58'	70'	70'	49'	Fresh
	_				
				-	
			l acc	tion of Well	100/V/
For what purpose(s) is the water to be used	1?				- C C
***************************************			In diagram below road and lot line	show distances of showing the	h by arrow.
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Drilling Firm		DAM	VISTON!		
Address			B		***
# 2 · 3			Rimman L		
Licence Number 454					
Name of Driller G. Charbonneau		1	OLD 17		
Address Orleans		l l			5
			o - managara		. 4 3
Date Oot 11/60	. A.A.			-	>0
(Signature of Licensed Drilling Contract	etor)		refractions are not	Transmission of the state of th	Professional St. Procession
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Form 5 15M-58-4149		l	31	@ \$\$ \$8	J .

Basin 2 6	ER W	Static lev Pumping Duration	Village, Town or oleted 16 (day Orleans Purel 2 pping rate level of test pumping	ONIAN ONIAN OTODIZES V151 City Jumberl	G.P.M.
Diameter of finished hole2"				rate9	
			Nakan an <u>A</u> karan	X Pump Set 4	.5. 1
Well Log			Wo	iter Record	
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
Blue Clay	01	60'			
Bolders	60'	65'		_	
Sand Grey Limestone	70'	70' 75'	75'	541	Fresh
Form 5 For what purpose(s) is the water to be used? Domestic Is well on upland, in valley, or on hillside? Onling Firm G. CHARBONNEAL DAMOND DRILLER ANTESIAN WAS MODERN HOME BUILDERS ONLEANS, ONT. RR. 1 Navan 3R Charbonneau Address Orleans Date Oct 16/60 (Signature of Licensed Drilling Contractors Form 5	Up.		n diagram below	show distances of the	by arrow.

GROUND WATER BRANC 1/8/z 416/219/815E 10/13/17 1313 10 N Ontario Water Resources Commission ONTARIO WATER SELLOF Con I Rot 29 Township, Village, Town or City CUMBERLAND Lot PART OF LOT Date completed 3 AUGUST 1962 iress 369 LAFONTAINE - EASTUIEW. **Pumping Test** Casing and Screen Record Inside diameter of casing 95'x 4"+13 x 2" + 18 x 1 5" Static level 60 FT. Total length of casing 1273 Test-pumping rate 6 G.P.M. Pumping level 70 FT. Type of screen X Duration of test pumping 3 HOURS Length of screen Diameter of finished hole 178" Recommended pumping rate 6 G.P.M. with pump setting of 70 feet below ground surface Well Log Depth(s) at Kind of water To ft. From (fresh, salty, sulphur) which water(s) Overburden and Bedrock Record found 1291 901 FRESH BROWN - CLAY 981 SAND BOLDERS and SAND. LIME - STONE Location of Well For what purpose(s) is the water to be used? In diagram below show distances of well from HOUSE road and lot line. Indicate north by arrow. Is well on upland, in valley, or on hillside? #112.510E Drilling or Boring Firm WILFRID - COSSETTE 259A-SHAKESPEARE-ST. Address EASTUIEW. ONT. Licence Number 612 Name of Driller or Borer SAME. Address SAME (Signature of Ricensed Drilling or Boring Contractor) Form 7 15M Sets 60-5930 LO CALLOT PL CSS.53

OWRC COPY

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UTM 118 2 416 13 101 210 E	151314	GROUN	56 NO	333
Elev. 9 R 20121510 WATER WEL	L RECO)RD URO	ARIO WATER	
County or District Russel) OF Con T Cot >9 T	ownship, Village, To	own or City		
	ess 14 5 Cari	ll on, E ast	view, Ont.	
Casing and Screen Record		Pumpin	g Test	
Inside diameter of casing 5–5/8	Static level	651		
Total length of casing 110°	 Test-pumping ra	te 12		G.P.M.
Type of screen	Pumping level	80) .	
Length of screen	Duration of test p	umping	2 hrs.	
Depth to top of screen	Water clear or cle			
Diameter of finished hole 5–5/8	Recommended p		-	G.P.M.
Diameter of finished note	with pump settin	g of	feet belo	w ground surface
Well Log			Wate	r Record
Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s) found	Kind of water (fresh, salty, sulphur)
blue clay	0	90		
sand & bolders	90 1 05	105 128	128	fresh
grey limestone	105	12.0		
			<u>ś</u>	
10 10 10		Location	of Well	
For what purpose(s) is the water to be used? domestic	ln diagra	m below sho	w distances of we	ell from
	road and	lot line. In	ndicate north by	arrow.
Is well on upland, in valley, or on hillside? upland				11912
Drilling or Boring Firm G.Charbonneau, Diamond & Cable Drilling,		. –		
Address R.R. # 1, Box 194, Orleans, Ont.	OLD			
Address R. T. H 1, BOX 174, Olleans, Onv.			1	
1005				
Licence Number 1025			7	
Name of Driller or Borer	1			
Address R.R.# 1,Box 194, Orleans, Ont. Date June 24, 1963				
Saine I Cheshammen			S 1	
(Signature of Licensed Drilling or Boring Contractor)			SOFE	• , -
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Coulty or Higher Inc. Country or Higher Inc. Inc	UTM 1/18 Z 4/6/2/9/8/0 E (69) R 50/3/7/3/0/0 N The Ontario Water Reson	451314	$\frac{7}{3}$	100 WATER BRA 56 Nº 3 1003	34
County Grant Rancell County Grant Rancell County Grant Rancell Lot nart lot 29 Date completed 28 August 1963 ress R.R.# 1, Cumberland, Ont. Cosing and Screen Record Pumping Tast Institute diameter of casing 5 5 5/8 Total length of casing 85! Static level 265 45! Test-pumping rate 18 G.P.M. Pumping level 65: Duration of test pumping 3 hrs. Recommended pumping 1 at 1 gentled and of test clear Recommended pumping rate 1 gentled and of test clear Recommended pumping rate 1 gentled and strate of finished hole 5 5/8 Water clear or cloudy at end of test clear Recommended pumping rate 1 gentled and strate or clear in the pumping of 65 gets helow ground surface Water clear or cloudy at end of test clear Recommended pumping rate 1 gentled and strate in the pumping of 65 gets helow ground surface Water clear or cloudy at end of test clear Recommended pumping rate 1 gentled and strate in the pumping of 65 gets helow ground surface Water clear or cloudy at end of test clear Recommended pumping rate 1 gentled and strate in the pumping of 65 gets helow ground surface Water Record Prom To the strate or clearly at the pumping of 65 gets helow ground surface Water Record Prom To the strate or clearly at the pumping of 65 gets helow ground surface Water Record Prom To the strate or clear or full the surface or clearly at the pumping of 65 gets helow ground surface Water Record Prom To the strate or clear or full the surface or clear pumping or full the s			# 11 F N. H. H.	CES COMMISSION	, //
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Recommended pumping rate with pump setting of 65 feet below ground surface	Length of screen				
with pump setting of 65 feet below ground surface Well tog					
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For what purpose(s) is the water to be used? domestic Is well on upland, in valley, or on hillside? valley Drilling or Boring Firm G. Charbonneau, Diamond & Cable Drilling Address R.R.# 1, Box 194, Orleans, Ont. Licence Number Name of Driller or Borer G. Charbonneau Address R.R.# 1, Box 194, Orleans, Ont. Date 23 August 1963 Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138	blue clay	0	80		
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Is well on upland, in valley, or on hillside? valley Drilling or Boring Firm G. Charbonneau, Diamond & Cable Drilling Address R.R.# 1, Box 194, Orleans, Ont. Licence Number Name of Driller or Borer G. Charbonneau Address R.R.# 1, Box 194, Orleans, Ont. Date 28 August 1967 Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138	For what purpose(s) is the water to be used: domestic	In diagra	m below show	v distances of we	ll from
Licence Number Name of Driller or Borer G.Charbonneau Address R.R.# 1, Box 194, Orleans, Ont. Date 28 August, 1967 Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138	Drilling or Boring Firm G.Charbonneau, Diamond & Cable Drilling Address R.R.# 1, Box 194, Orleans, Ont.	road and	lot line. In	dicate north by	NO RILL
Date 28 August, 1967 (Signature of Licensed Drilling or Boring Contractor) Form 7 15M-60-4138	Licence Number 1025 Name of Driller or Borer G. Charbonneau		100		
	(Signature of Licensed Drilling or Boring Contractor)		1	5') • 10	7 12
				CSS,53	

UTM 1/18/12 14/6/2191610 E		3148 j	56 Nº	335
/	L REC			
County or District Russell O.F. Con Thet 29 To	ろして / ownship, Village, T	らと 'own or City'	Cumberland	
Con let from Ottorio R. Lot 30 29 Da				year)
	ress R.R. 1,			
Casing and Screen Record		Pumping		
Inside diameter of casing5"	Static level35	i		C D I S
Total length of casing 92'	Test-pumping ra			
Type of screen	Pumping level			
Length of screen	Duration of test			
Depth to top of screen	Water clear or cl			
Diameter of finished hole5"				G.P.M.
	with pump setti	ng of		w ground surface
Well Log			Depth(s) at	Record Kind of water
Overburden and Bedrock Record	From ft.	To ft.	which water(s) found	(fresh, salty, sulphur)
blue clay	0 85	85 100 0	100	fresh
grey limestone				
		Lagrica	of Well	
For what purpose(s) is the water to be used? domestic	In diagra	am below shov	v distances of we dicate north by	ell from arrow.
Is well on upland, in valley, or on hillside? upland	Toau air		,	
Drilling or Boring Firm				
G.Charbonneau, Diamond & Cable Drilling				
Address R.R. 1. Box 194, Orleans, Ont.	11	217	7	
Licence Number 2156		OLD FT	7	
Name of Driller or Borer G. Charbonneau		_87 -	-	
Address Orleans, Ont.			256	
Date 12 November, 1966		(a) (1)		
(Signature of Licensed Drilling or Boring Contractor)		0 (3 S	14	
Form 7 15M-60-4138				
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The Ontario Water Resources Commission Act

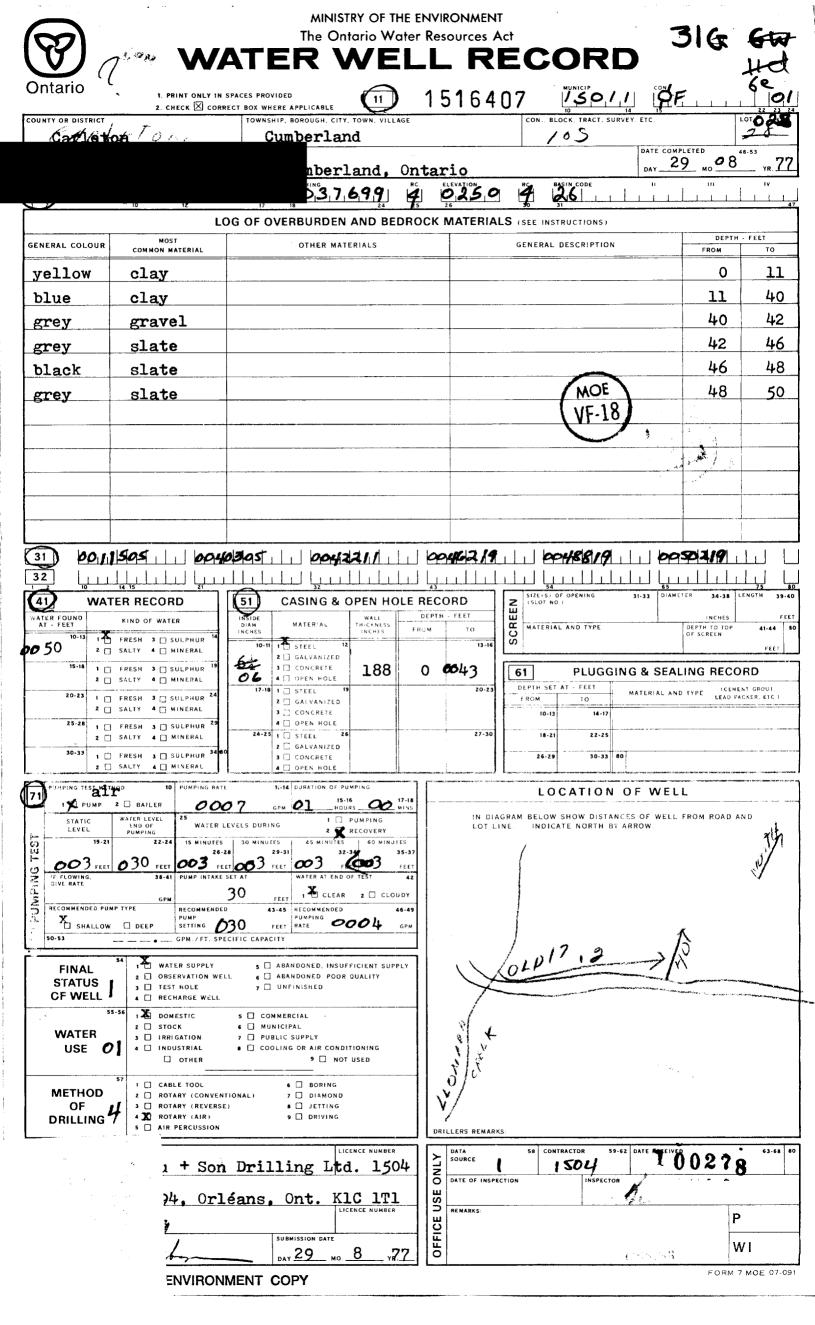
Now. Region attern CaWATER WELL	RECO	RD	Cumber	LHNP
Town	mshin Village To	wn or City	YUSSELL)	TRESCOLL
Con FRIM ONA WA RIVE Lot PT 29 Date	completed	day	Yunk Omonth	year)
	ress ORLE	ANS C	NT	
Casing and Screen Record		Pumping		
3	Static level			
12/a Division of	Test-pumping rat	ce G	~ ~/_	G.P.M.
- I WALK KESUURCES	Pumping level		1 6	
- Alic 9 5 1060 ;	Duration of test p Water clear or clo	umping	Plan	3
Depth to top of screen ONTARIO WATER	Water clear or clo	udy at end of	test Celes	CPM
Depth to top of screen Diameter of finished hole ONTARIO WATER RESOURCES COMMISSI	Recommended p UN with pump setting	umping rate	feet helo	w ground surface
	with pump setting	g 01		r Record
Well Log Overburden and Bedrock Record	From ft.	To ft.	Depth(s) at which water(s)	Kind of water
CO.	0	105	found / 28	Fresh
cay				
Bolden & Sand	105	/23		
Limestone	123	130		
11M 1824630201				
4R 50372701N				
For what purpose (s) as the later to be used?			of Well	
Is well on upland, in valley, or on hillside? Hillside Drilling or Boring Firm	In diagram	n below show lot line. In	distances of wed	arrow.
Is well on upland, in valley, or on hillside? Hillside	11		·	/N
Drilling or Boring Firm			>	
F. R. CossETTE)	4
Address 1510 BASELINE Rd		3 mi >		OLD HY. I
077 4 W A 5 Licence Number 3182			1	.0
	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		> \2	A o
Name of Driller or Borer			(2 2
Address 15 - 19/9		. 11	>40.	&
AR Casselle	1/2	. []		(P.
(Signature of Licensed Drilling or Boring Contractor)	//	11		/ PEX
Form 7 15M-60-4138	`	`	::::::::::::::::::::::::::::::::::::::	33 \ A

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MINISTRY OF THE ENVIRONMENT The Ontario Water Resources Act

Ontario	1. PRINT ONLY IN : 2. CHECK 🔀 CORR	ECT BOX WHERE APPLICABLE	1516		7,30,7			10/
Carleton	1	Cumberland	AGE		CON. BLOCK, TRACT, SU	-13	7	29
		sumberland.	Ont.(Cur	aberl	and Estate	DATE COM		48-53 YR 7 7
		1HING 7399	RC. ELEVATION		RC BASIN CODE	"	""	IV
	LC	OG OF OVERBURDEN AND BE	25 26		90 31	- 	·	47
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS			GENERAL DESCRIPTION		DEPTH	- FEET
yellow	sand						0	7
	clay						7	18
grey	slate						18	50
						1		
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31 00075	128 0018	205 0050219					1111	
1 2 10 14	R RECORD	51) CASING & OPEN HO	LE RECORD		54 SIZE(S) OF OPENING	31-33 DIAME	TER 34-38	75 80 LENGTH 39-40
	CIND OF WATER	INSIDE WALL THICKNESS	DEPTH - FEET	- EEN	MATERIAL AND TYPE		INCHES	FEET
	RESH 3 SULPHUR 14 ALTY 4 MINERAL	10-11 1 X TEEL 12 188	FROM 10 0 	SCRE	MATERIAL AND TIPE		DEPTH TO TOP OF SCREEN	41-44 80 FRET
	RESH 3 SULPHUR 19	OG GALVANIZED OG GONCRETE GONCRETE GONCRETE		6	PLUGGI	NG & SEAL	ING RECO)RD
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2 □ 5.	ALTY 4 MINERAL RESH. 3 SULPHUR 3460	24-25 1 STEEL	2	7-30	18-21 22-25			
	ALTY 4 MINERAL	A D OPEN HOLE			26-29 30-33	80		and the same of th
71 PUMPING TEST METHOD	air		7-18	emic constanting a	LOCATION	OF WEL	L	ente son situation della collection dell
C. 5. T 1000	ATER LEVEL 25 END OF WATER LE	VELS DURING		DIAGRAN	M BELOW SHOW DISTAN		FROM ROAD A	ND ON
19-21 W	22-24 15 MINUTES 26-28	2 RECOVERY 30 MINUTES 45 MINUTES 60 MINUTES 29-31 32-34 3	ES 5-37	-				
S of 12 FEET (930 FEET 012 FEET		FEET 42	A Copyright				20/
FEET FLOWING. GIVE RATE RECOMMENDED PUMP T		30 _{feet} 1 X 3 clear ≥ □ clou	DY					A
RECOMMENDED PUMP T	DUMB	PUMPING	6-49 GPM					
50-13		CIFIC CAPACITY						
FINAL STATUS	21. □XWATER SUPPLY		LY					
OF WELL 1	3 TEST HOLE 4 □ RECHARGE WELL	7 [] UNFINISHED					and the state of t	nger er e
55-56	1 X / DOMESTIC 2 □ STOCK	5 COMMERCIAL 6 MUNICIPAL				f_{ij}		
USE Of	3 IRRIGATION 4 INDUSTRIAL	7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	1		
57	OTHER	9 NOT USED			0-4/			H^{*}
METHOD 4	1 CABLE TOOL 2 ROTARY (CONVENT) 3 ROTARY (REVERSE)				Po. 1		/	/
DRILLING	4 XXROTARY (AIR) 5 AIR PERCUSSION	9 DRIVING	DRILLERS RE	MARKC	~ \ \			<i>J</i>
NAME OF WELL CON	TRACTOR	LICENCE NUMBER	DATA	######################################	58 CONTRACTOR 59	62 DATE RECEIVED		63-68 80
G.Charbon	nneau+Son D	rilling Ltd 1504	SOURCE O DATE OF	INSPECTION		62 DATE RECEIVED	UU27	8
E R R 2. I	Box 194, Or	leans, Ont. KIC 1T1	<u> </u>	A4 8	3/18	161	DN	
[L. Bo	ourgeois	LICENCE NUMBER	O REMARKS				P	***
1 21/-	atern	SUBMISSION DATE DAY 8 MO. 8 YA	7 []		ę	C88, 53	W	V I





MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

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316 6W

FORM 7 MOE 07-091

WATER WELL RECORD

1516909 MUNICIP. 2. CHECK X CORRECT BOX WHERE APPLICABLE CON., BLOCK, TRACT, SURVI 028 COUNTY OR DISTRICT 161 64 OHHAD CAR Cumberland мо 05 DAY 19 berland. Ont. LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) DEPTH - FEET OTHER MATERIALS GENERAL COLOUR COMMON MATERIAL 0 28 yellow clay 28 49 clay blue 49 59 gravel grey g 63 59 slate grey 0028505 1 0049305 1 0059211 1 0063219 SIZE(S) OF OPENING WATER RECORD *[*51] **CASING & OPEN HOLE RECORD** KIND OF WATER MATERIAL AND TYPE FRESH 3 SULPHUR
2 SALTY 4 MINERAL 1 XSTEE 06" 63 GALVANIZED 0/0060 188 3 CONCRETE PLUGGING & SEALING RECORD 1 TRESH 3 SULPHUR £6<u>₹</u> 61 4 ☐ OPEN HOLE 2 SALTY 4 MINERAL - FEET MATERIAL AND TYPE 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 3 CONCRETE 4 OPEN HOLE 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL 27-3 1 GSTEEL
2 GALVANIZED 30-33 80 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 3 CONCRETE MPING TEST METHOD LOCATION OF WELL 1 PUMP 2 D BAILER IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW. WATER LEVEL END OF PUMPING 22-24 2 KECOVERY _{FEET} 050 050 050 FEET 050 FEET RECOMMENDED PUMPING RECOMMENDED PUMP SETTING 058 FEET RAT GPM. / FT. SPECIFIC CAPACITY OBSERVATION WELL 5 ABANDONED, INSUFFICIENT SUPPLY
6 ABANDONED POOR QUALITY FINAL **STATUS** 3 TEST HOLE
4 RECHARGE WELL 7 UNFINISHED OF WELL 1 DOMESTIC 5 COMMERCIAL 2 STOCK
3 IRRIGATION
4 INDUSTRIAL 6 MUNICIPAL
7 PUBLIC SUPPL WATER USE 0/ 8 COOLING OR AIR CONDITIONING 9 | NOT USED ☐ OTHER 6 D BORING
7 DIAMOND 1 CABLE TOOL POTARY (CONVENTIONAL)

TO SOLVE THE **METHOD** of 4 DRILLING # [] JETTING DRILLERS REMARKS LICENCE NUMBER CONTRACTO ONLY 1504 Charbonneau + Son Drilling Ltd. 1504 USE (Box 194, Orléans, Ont. K1C 1T1 REMARKS P OFFICE WI YR 78 05 DAY 19

The Ontario Water Resources Act WATER WELL RECORE

	ironment	VVA	151724			
Ontario). PRINT ONLY IN S	SPACES PROVIDED	151734	الْمُرَادِينَ مِالْمُ	لِــــــــــــــــــــــــــــــــــــ	19/1
COUNTY OR DISTRICT	0 000 55.1	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE		CON BLOCK TRACT, SURVE	OLD SAVAR DE	28."
				1 000 11 1	DATE COMPLETED	80
		CHMBERLAT	C. ELEVATION ,	RC. BASIN SODE	DAY MO	YR.
المجيا	10 12	man	5 26	5 2 6 1		
	· · · · · · · · · · · · · · · · · · ·	G OF OVERBURDEN AND BEDR	OCK MATERIALS	S (SEE INSTRUCTIONS)	DEPTH - FEE	.T
GENERAL COLOUR	COMMON MATERIAL	OTHER MATERIALS		GENERAL DESCRIPTION	FROM	10
	GLAY	7			2 /	///
CAEY	CLAY					40
BLUE	HARODAN					53
BROWN	GRAVEL					16
BLACK	LIMESTONE	÷.				70
GREY		73				
		× ·			3	
	, , , %)	:			
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31 bgg	7 23 004	1205 1 0058305 1	0063614	11 00668111	6070215	
32	14 15 21	1,	1 43	54	55 25 31-33 DIAMETER 34-38 LENGTH	
WATER FOUND	TER RECORD	51 CASING & OPEN HOLE	RECORD DEPTH - FEET	SIZE(S) OF OPENING (SLOT NO.) MATERIAL AND TYPE	31-33 DIAMETER 34-38 LENGTH	39-40 FEET
AT - FEET	KIND OF WATER	DIAM MATERIAL THICKNESS INCHES	TO 13-16	MATERIAL AND TYPE		11-44 30
00	SALTY 4 MINERAL FRESH 3 SULPHUR 19	OG10-11 1 TE TEEL 12 2 GALVANIZED 1 GONCRETE	0 0066		C.P. SEALING BECORD	FEET
2 (SALTY 4 MINERAL	4 OPEN HOLE	20-23	DEPTH SET AT - FEET	G & SEALING RECORD MATERIAL AND TYPE (CEMENT GREEN PACKER.	
2 0	☐ FRESH ³ ☐ SULPHUR ²⁴ ☐ SALTY ⁴ ☐ MINERAL	? GALVANIZED 3 CONCRETE		FROM TO 10-13 14-17	LEAD PACKER.	E(C)
	FRESH 3 SULPHUR 29 SALTY 4 MINERAL	4 OPEN HOLE 24-25 1 STEEL 26	27-30	18-21 22-25		
30-33 1 [FRESH 3 SULPHUR 34 00 SALTY 4 MINERAL	2 GALVANIZED 3 CONCRETE 4 OPEN HOLE		26-29 30-33 80		
PUMPING TEST ME			1	LOCATION C) F WELL	
Y	2 19 BAILER CO/	O GPM O/ 15-16 30 17-18 HOURS 30 MINS 1 8 PUMPING	1 1	RAM BELOW SHOW DISTANCE	ES OF WELL FROM ROAD AND	
STATIC LEVEL	END OF WATER L PUMPING	EVELS DURING 2 RECOVERY 30 MINUTES 45 MINUTES 60 MINUTES	LOT LIN	E. INDICATE NORTH BY A	RROW.	
1-1040	055 047	05 3 FEET 05 3 FEET 05 3 FEET	11 4/			
IF FLOWING.	38-41 PUMP INTAKE	SET AT WATER AT END OF TEST 42			}	
O IF FLOWING. GIVE RATE RECOMMENDED PU	JMP TYPE RECOMMENDED	43-45 RECOMMENDED 46-49	1 1		7	
SHALLOV	W DEEP PUMP SETTING	6 FEET RATE 000 5 GPM	<u> </u>		. 70	
FINAL	S4 1 WATER SUPPLY	S ABANDONED, INSUFFICIENT SUPPLY	- 	K 81	作	
STATUS/ OF WELL	2 G OBSERVATION WELL 3 G TEST HOLE 4 G RECHARGE WELL	L 6 ABANDONED, POOR QUALITY 7 UNFINISHED		1 1/0	\$ T	
- Sierra	55-56 I DOMESTIC	5 COMMERCIAL	11	80	1/4	
WATER/	2 STOCK 3 IRRIGATION 4 INDUSTRIAL	6 MUNICIPAL 7 PUBLIC SUPPLY 8 COOLING OR AIR CONDITIONING	11 -	Consity Ro	AN # 31	
USE	OTHER	9 NOT USED		commit is	-1	
METHOD	57 1 CABLE TOOL 2 CONVENT	6 ☐ BORING FIONAL) 7 ☐ DIAMOND				
OF DRILLING	3 ROTARY (REVERSE 4 ROTARY (AIR)				;	
NAME OF WELL	5 AIR PERCUSSION	LICENCE NUMBER	DRILLERS REMARKS		DATE RECEIVED	63-68 80
			SOURCE	1517	020980	
ADDRÉSS NAME OF DRILL	CASSELM	AN ONT.	DATE OF INSPECT	ION INSPECTOR	K	
NAME OF DRILL	LER OR BORER	LICENCE NUMBER		1		
		SUBMISSION DATE	OFFICE 			<i>c</i> -
may	ru age	NVIRONMENT COPY	- - - -		FORM NO. 0506—4—7	77 FORM 7

The Ontario Water Resources Act 316 VATER WELI

1518165 1. PRINT ONLY IN SPACES PROVIDED 150,1,1 2. CHECK 🗵 CORRECT BOX WHERE APPLICABLE DISTRICT CHKLITON TOWNSHIP, BOROUGH, CITY

Prescott-Russell Cumb CON. 1 Cumberland DAY 12 04 R. 1 Cumberland , Ont. 02701 375991 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS) DEPTH - FEET MOST COMMON MATERIAL OTHER MATERIALS GENERAL DESCRIPTION GENERAL COLOUR FROM 40 0 clay yellow 74 40 blue clay 74 75 brown slate blue limestone 142 75 31 00A0505 | 0074305 | 0075619 | 01474315 | | 32 41 **CASING & OPEN HOLE RECORD WATER RECORD** (51) SCREEN DEPTH KIND OF WATER MATERIAL DEPTH TO TO OF SCREEN 0077 ¹ □**X**STEEL 2 SALTY 4 MINERAL 188 0 **2**142 2 ☐ GALVANIZED
3 ☐ CONCRETE FRESH 3 | SULPHUR 61 **PLUGGING & SEALING RECORD** 06 2 SALTY 4 MINERAL 4 T OPEN HOLE DEPTH SET AT - FEET 1 STEEL 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL GALVANIZED
CONCRETE 06 0142 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL 4 DEN HOLE 1 [] STEEL 2 GALVANIZED
3 CONCRETE 1 🔲 FRESH 🐧 🗌 SULPHUR 2 SALTY 4 MINERAL OPEN HOLE all BAILER LOCATION OF WELL 1 K PUMP 0016 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW. WATER LEVEL ZUMPING RECOVER 140 065. 065 EEET **0**65 **0**65 FEET IF FLOWING 1 CLEAR 120 RECOMMENDED PUMP TYPE RECOMM PUMP SETTING 120 °**∞**16 X DEFE ☐ SHALLOW S ABANDONED, INSUFFICIENT SUPPLY I X WATER SUPPLY FINAL ■ ABANDONED POOR QUALITY **STATUS** 3 TEST HOLE 7 UNFINISHED OF WELL 4 | RECHARGE WELL 1 DOMESTIC 5 COMMERCIAL ₹ □ STOCK 5 MUNICIPAL WATER IRRIGATION USE O/ COOLING OR AIR CONDITIONING
ON NOT USED 4 🔲 INDUSTRIAL OTHER CABLE TOOL 6 D BORING METHOD 2 ROTARY (CONVENTIONAL) 7 DIAMOND U OF 3 [] ROTARY (REVERSE) ■ ☐ JETTING 4 X ROTARY (AIR)
5 AIR PERCUSSION DRILLING / DRILLERS REMARKS G.Charbonneau+Son Drilling Ltd 1504 1504 NO USE 2, Box 194, Orleans, Ont. KlC 1T1 OFFICE Raymond /Charbonneau

SUBMISSION DATE

82

FORM NO. 0506

04

The Ontario Water Resources Act

115 6e

WATER WELL RECORD 1518202 1. PRINT ONLY IN SPACES PROVIDED MUNICIP. / 50// 2 CHECK X CORRECT BOX WHERE APPLICABLE NSHIP, BORGUGH Ottawa-Carleton Cumberland 0. F 1 1, Cumberland, Ont. DAY _03 0270 LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS MOST COMMON MATERIAL GENERAL COLOUR OTHER MATERIALS GENERAL DESCRIPTION FROM FO yellow clay 0 17 blue clay 17 59 grey gravel fine gravel 59 61 grey limestone 61 66 0017505 0059305 0061731 0066215 WATER RECORD CASING & OPEN HOLE RECORD SCREEN KIND OF WATER FRESH 3 | SULPHUR **20**66 2 SALTY 4 MINERAL -61'*'E 188 +1 -62 FRESH 3 SULPHUR
SALTY 4 MINERAL [] CONCRETE 06 0062 **PLUGGING & SEALING RECORD** STEEL FRESH 3 SULPHUR SALTY 4 MINERAL 0066 MATERIAL AND TYPE 2 GALVANIZED CONCRETE 61 8 66 1 FRESH 3 SULPHUR
2 SALTY 4 MINERAL STEEL GALVANIZED 22.25 1 | FRESH 3 | SULPHUR
2 | SALTY 4 | MINERAL 3 [] CONCRETE 30-33 80 OPEN HOLE air LOCATION OF WELL 1 SEPUMP 00 30 IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE INDICATE NORTH BY ARROW RECOVERY 30 MINUTES 29 26-21 029 23.3 29 065 50 1 - KEAR PUMP 050 46-49 ☐ SHALLOW TEEP GPM Hyw34 WATER SUPPLY 5 🗌 ABANDONED, INSUFFICIENT SUPPLY FINAL 2 DBSERVATION WELL ABANDONED POOR QUALITY **STATUS** TEST HOLE 3 🛮 7 DUNFINISHED OF WELL 4 | RECHARGE WELL 3/0 mille DOMESTIC 5 COMMERCIAL ☐ STOCK 6 MUNICIPAL WATER 3 | IRRIGATION USE Of 4 | INDUSTRIAL COOLING OR AIR CONDITIONING

9 NOT USED OTHER CABLE TOOL 6 BORING METHOD 2 ROTARY (CONVENTIONAL)
3 ROTARY (REVERSE)
4 ROTARY (AIR) DIAMOND DRILLING # 8 D JETTING 5 AIR PERCUSSION G.Charbonneau+Son Drilling Ltd 02 05 DATE OF INSPECTION OFFICE USE R.R. 2. Box 194, Orleans, Ont. KIC 1T1 REMARKS Raymond Charbonneau dvice-Pres.03 ... 03 <u>C55.E</u>9 MINISTRY OF THE ENVIRONMENT COPY FORM NO 0506

8	Ministry of the Environment
Ontorio	Environment

The Ontario Water Resources Act

WATER WELL RECORD

Ontario	2. СНЕСК 🗵 СО	N SPACES PROVIDED RECT BOX WHERE APPLICABLE	1524109	ALL OF
	Carleton	Cumberland	1 0.S.	SURVEY ETC LOT 25-27 Pt 28
		berland, On	ntario	DATE COMPLETED 48-53 DAY
		NG	C ELEVATION RC BASIN CODE	
	L		OCK MATERIALS (SEE INSTRUCTIONS	67
GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTI	ON DEPTH - FEET FROM & TO
yellow	clay			0 14
blue	clay			14 50
grey	gravel		fine gravel	50 / 54
grey	limestone			54 173
			of .	7
ī				
31				
32	12 15	32		
WATER FOUND	KIND OF WATER	51 CASING & OPEN HOLE	RECORD DEPTH FEET SIZE(S) OF OPENING (SLOT NO.)	31-33 DIAMETER 34-38 LENGTH 39-40
	FRESH 3 DSULPHUR	DIAM MATERIAL THICKNESS INCHES F	TO MATERIAL AND TYPE	DEPTH TO TOP 41-44 30 OF SCREEN
15-18 1	6 □GAS FRESH 3 □SULPHUR	64 GALVANIZED 3 CONCRETE 4 COPEN HOLE	62	GING & SEALING RECORD
20-23 1	FRESH 3 □SULPHUR 24	5 □ PLASTIC 17-16 1 □ STEEL 2 □ GALVANIZED	20-23 DEPTH SET AT - FEET	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
25-28 1 🗆	SALTY 4 MINERALS 6 GAS FRESH 3 SULPHUR 4 MINERALS	6 3 CONCRETE 4 POPEN HOLE 5 PLASTIC	7 173	
30-33 1	FRESH 3 SULPHUR 34 10	24-25 1 STEEL 26	27-30 18-21 22-25 26-29 30-33	
PUMPING TEST META	SACIT 6 LIGAS	4 OPEN HOLE 5 PLASTIC 11-14 OURATION OF PUMPING	30-33	
71 1 PUMP A	LE BAILER	15-16 17-18 4 GPM 100RS MINS		OF WELL
STATIC LEVEL	WATER LEVEL END OF WATER LI PUMPING WATER LI 22-24 15 MINUTES		IN DIAGRAM BELOW SHOW DISTA LOT LINE INDICATE NORTH E	NCES OF WELL FROM ROAD AND BY ARROW.
71 FEET	170 FEET 110 FEE	29-31 32-34 35-37		ST ARROW.
U FEET IF FLOWING. GIVE RATE RECOMMENDED PUM	38-41 PUMP INTAKE S	60 WATER AT END OF TEST 42		} ~
RECOMMENDED PUM	P TYPE RECOMMENDED PUMP	43-45 RECOMMENDED 46-49 PUMPING		
50-53		TOU FEET HATE GPM	34	
FINAL STATUS	1 WATER SUPPLY 2 OBSERVATION WELL	S ABANDONED. INSUFFICIENT SUPPLY 6 ABANDONED POOR QUALITY	101	milles
OF WELL	3 TEST HOLE 4 RECHARGE WELL	7 UNFINISHED DEWATERING	1317	1 2
WATER	1 DOMESTIC 2 STOCK 3 IRRIGATION	S COMMERCIAL D MUNICIPAL D PUBLIC SUPPLY	H	
USE	4 INDUSTRIAL OTHER	COOLING OR AIR CONDITIONING One of the conditioning		, ()
METHOD	7 CABLE TOOL 2 ROTARY (CONVENT)	6 □ BORING ONAL) 7 □ DIAMOND		
OF CONSTRUCTIO	N PROTARY (REVERSE)	ONAL)		59251
NAME OF WELL CO	AIR PERCUSSION	DIGGING DOTHER	DRILLERS REMARKS	
	onneau+SonDr	illingLtd 1504	1504	JAN 2 9 1990
R.R.2,B		ans, Ont. KlC lTl	u u	
Raymond	l Charbonnea	LICENCE NUMBER	→ REMARKS	N.
O SIGNATURE OF TE	ECHNICUM/CONTRACTOR	SUBMISSION DATE 1-0458 DAY 09 MO 12 YR89	OFFICE	
MINISTRY O	F THE ENVIRONM			FORM NO. 0506 (11/86) FORM 9

Ministry of the

The Ontario Water Resources Act WATER WELL RECORD

Environment							
Print only in spaces provided. Mark correct box with a checkmark, where applicable.	1 1 2	153	3836	6	Municipality 15011	Con. CON.	22 23 2
County or District	ship/Borough/City/	Town/Village	, ,	,	Con block tract su	rvey, etc. Lo	t 2 0 ²⁵⁻²⁷
OTTAWA - Parleton Addres	Cumb	2010	<u>und</u>		Conc.		2 - 148-5
	86 - 0	1d.	Mon	trènh	Kol complete	ed day n	nonth yea
21	Northing		RC Eleva	111111	Basin Code ii	" -	iv
2 M 10 12 17 LOG OF OVERBURI	DEN AND BEDF	POCK MAT	ERIALS (s	·	31 S)		
General colour Most common material	Other materials			General de	scription	Depti From	n - feet To
Brown Play				5	z k f	0	7
Grey Play				50	sft_	7	50
Giey Cunvel				5.	++	50	56
Grey SHAhF				Por	045	56	5€
Grey himestone				· H	ard	5P	69
					-		
	185 11 1 1						
		•					
31		عبنا ل		حتنا ليل			البلب
32 10 14 15 21 32		43		<u> </u>	65		75
Water found Kind of water Inside	Wall	RECORD Depth -	feet	Sizes of ope (Slot No.)	ning 31-33 Diame	inches	th 39-4
at - reet inches inches	thickness inches	From	To 13-16	(Slot No.) Material and	type	Depth at top	
5 7 2 Salty 6 Gas 2 Galvanize	- IXY	0	5 f	Ø			feet
15-18	19		20-23		UGGING & SEALI		
20-23 1	ed	5 P	69	Depth set at - f	——— Material and type	Cement grout, be	
25-28 1 Fresh 3 Sulphur 29 5 Plastic	e	,	27-30		148 Pan		rout
2 Safty 6 Gas 2 Galvanize 30-33 1 Fresh 3 Sulphur 34 60 3 Concrete	edi		27-30	18-21	22-25	F	30
Plessi 4 Minerals 4 Open hole 5 Plastic	е			26-29	30-33 80		
71 Pumping test method 10 Pumping rate 11-14 Duration of p	ournping 5-16 17-18 ours Mins			LOCA	TION OF WELL		W.
Static level Water level 25 Water levels during 1 Pumping	ours Mins		In diagram	n below show dorth by arrow.	istances of well from	m road and lo	
end of pumping 19-21 22-24 15 minutes 30 minutes 45 minutes 32 minutes 26-28 30 minutes 29-31 45 minutes 32 minutes 32 minutes 33 minutes 33 minutes 34 minut	60 minutes 35-37		indicate in	orui by arrow.			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	et feet			H-W	±/ /]	7	
If flowing give rate 38-41 Pump intake set at Water at end GPM 5 feet GPM							
Recommended pump type Recommended 43-45 Recommended Shallow Shallo	ded 46-49 GPM			,			
50-53	/ O GFM						
FINAL STATUS OF WELL 1 Water supply 5 Abandoned, insufficient supply 9 Un	ıfinished		2				
2	placement well		7				
			-		d m	,	
WATER USE 1					d. Mon	tre .	
3 Irrigation 7 Public supply 4 Industrial 8 Cooling & air conditioning			2				2
METHOD OF CONSTRUCTION 57			' 1		. ^		
□ Cable tool	gging		1		27		
3 ☐ Betary (reverse) 7 ☐ Diamond 11 ☐ Ot 4 ☑ Rotary (air) 8 ☐ Jetting	her		1	1	72	251	152
Name of Well Contractor , , Well Cont	tractor's Licence No.	Data		58 Contractor_	59-62 Date	received	63-68 8
DXR-WATER-Well Dulling 6	OOL	Source) 6 J	UN 062	
St-Albert. Out		Date	of inspection	Ins	pector		
Name of Well Technician Well Tech	nnician's Licence No.	Rema	ırks				
Signature of Technician/Contractory Submissi	of date /03	Rema				CSS.	ES3
Jen Jams	mo vr	▼					

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CSS.ES3 0506 (07/00) Front Form 9

(P)	ntario	Ministr the En	vironmen		Well Ta	g No. (Place Sticker ar	nd/or Print Below)	Regulation	903 O	ntario Wat	N. D. S. S. S.	ecord ources Act
	ents recorded		letric 2	Imperial						Page_		of
Well Own	ner's Inform		ast Name	/, Organization			E-mail Address				1 146-11 (Donath value
Bou	1	0	The state of the s	euctr			2 11111 7 11111 1000			L		Constructed ell Owner
Mailing Add	dress (Street No		ne) /	Atines		Municipality	Province	Postal Code		elephone N	lo. (inc.	area code)
Total State of the	AURICE	37-K	ouis				quesec	J9J2	Xal	176	82	8208
Well Loca Address of	Well Location (Street Nur	nber/Name	e) <i>E</i>	1	ownship		Lot	(Concession		,
	1026 €	and a	ontre	1 11	0	Vd Survey Cu	madee land	28-2	9	Con	/	
County/Dis	strict/Municipalit				C	ity/Town/Village			Province		Postal	Code
UTM Coord	owa linates Zone E	regio	m	Northing		Municipal Plan and Sublo	ot Number		Onta	rio		
	8 3 1 8 4	4631	158	5013171		namoipar i iamana oasi.	ot manuaci					
		ck Materia	als/Aband			ord (see instructions on the	back of this form)					
General C	olour N	Most Comm	non Materi	al	Oth	er Materials	Gene	ral Description			From	th (m/ft) To
exca	4/Ate	- +	au	+ 0	4 sing						0	5FT
Hole	Pla	9	Ber	Noni	to		//	BAG			5	35 F
Clei	on C	/eas	-	Stone			1031 Cak	sic v	AR	1	35	68 Fy
								/				
D#-0	-t -t / ARI			ar Space	F12 (3.03)			Results of We	1			
From	et at (m/ft)			ealant Used and Type)		Volume Placed (m³/ft³)	After test of well yield, Clear and sand f		the same of the sa	Water Leve	the state of the last of	Water Level
							Other, specify		(min)	(m/ft)	(min)	(m/ft)
					7-9-7-		If pumping discontinue	ed, give reason:	Static Level			
									1		1	
							Pump intake set at (r	n/ft)	2		2	
									3		3	
Metl	hod of Const	ruction			Well Us	se	Pumping rate (I/min /	GPM)	3		3	
Cable To		Diamond		Public	Comme	The state of the s	Duration of pumping		4		4	
Rotary (Jetting Driving		Domestic .ivestock	Municip Test Ho			min	5		5	
Boring		Digging		rrigation	☐ Cooling	& Air Conditioning	Final water level end of	of pumping (m/ft)	10		10	
Other, s				ndustrial Other, specify_			If flowing give rate (l/r	min / CDM)	15		15	
	Consti	ruction R	ecord - C	asing	9311111	Status of Well	I nowing give rate (in	IIII / GFM)	1000			
Inside Diameter	Open Hole Of (Galvanized, F		Wall Thickness		n (m/ft)	☐ Water Supply	Recommended pump	depth (m/ft)	20		20	
(cm/in)	Concrete, Plas		(cm/in)	From	То	Replacement Well Test Hole			25		25	
						Recharge Well	Recommended pump (Vmin / GPM)	p rate	30		30	
					100	Dewatering Well Observation and/or	Mall and dustion 46.	(0010	40		40	
						Monitoring Hole	Well production (I/mir	17 GFW)	50		50	
						(Construction)	Disinfected?					
						Abandoned, Insufficient Supply	Yes No		60		60	
Outside		truction R	ecord - Sc	THE REAL PROPERTY.	n (<i>m/ft</i>)	Abandoned, Poor Water Quality	Please provide a map	Map of W	instruction	ons on the h	nack	10 100 100 100
Diameter (cm/in)	Materi (Plastic, Galvan		Slot No.	From	To	Abandoned, other,	l local provide a map	montre	n iou dou	11	1	
		5.5.5				No tin ase		1	1	01		
						Other, specify	old.	montre	411	4		
							010					
10/	the second secon	Water Det	No. of the last of			lole Diameter						
	nd at Depth Kin			Untested	From	th (m/ft) Diameter To (cm/in)					1.	560
	nd at Depth Kin			Untested			80					FF
(n	n/ft) Gas	Other, spe	cify		7 12							
	nd at Depth Kin			Untested			1 3					
(n	n/ft) Gas			U.T. 1	1.5		12					
Business N	Iame of Well Co		r and We	II Technicia		tion ell Contractor's Licence No.	17				6	
RAY	mond)	Ruma	. +a	1000		7260					~	
Business A		Number/Na	me) Be	x,18,	Mu	inicipality	Comments:					
	MAIN S	/	T-A1	best	/	VATION						
Province	and the same of th	AI3 C		ss E-mail Add	iress		Well owner's Date P	ackage Delivere	d I	Minio	try Use	Only
	one No. (inc. area	- 1/	- 11 Control	Technician (I	ast Name.	First Name)	information package	/ / / o o	11	Audit No.		
6/3	98723	1919	RAY	mond	VAC	ques	delivered Date V	Vork Completed	X B	z1	28	682
Well Technic	an's Licence No.	Signature	of Technic	cian and/or Co	entractor Da		Yes	11108	27	MOU		0.44
0608E (2007/	12) © Queen's P	Printer for Ont	ario, 2007	The same of	d	Ministry's Conv	A NO	11/07/0		MOV- D	12	J11

Ontario Ministry of the Environment	Well Tag No. (Place Sticker and/or Pri	nt Below) W Regulation 903 Ontario Wa	ell Record
Measurements recorded in: Metric Imperi	al	Page	
Well Owner's Information		ACAD PROPERTY OF THE PARTY OF T	
First Name / Last Name / Organ	,	nail Address	Well Constructed
Mailing Address (Street Number/Name)	1 44 1 1 114	vince , Postal Code Telephone	by Well Owner No. (inc. area code)
Mailing Address (Street Number/Name) 239 Maurice St-Lowis GA	- I Ihear	nebec 5/9/12/12/8/19/	
Well Location		ACCOUNT OF THE PROPERTY OF THE	2012/2012/8/18
Address of Well Location (Street Number/Name)	Township	Lot Concessio	/
1024-1026 Old Montgeal N	Old Survey Cumber/	and 28-29 Con	Postal Code
UTM Coordinates Zone Easting Northing	OHOWA	Ontario	
	Municipal Plan and Sublot Number	Other .	
NAD 8 3 1 8 4 6 3 1 3 0 5 0 3 0 Overburden and Bedrock Materials/Abandonmer	7612		
General Colour Most Common Material	Other Materials	General Description	Depth (m/ft)
account + 1+	2 :	Collectal Description	From To
the state of the	CASING	Rica	0 3/7
Trote rug 194	Monre 10	SA95 Cubic YARD	3F+ 40F7
CLEAR CLEAR ST	one /	Capie YARD	4017 8217
) !/:	1 1-11	00 -	
Decomition Cinch	Diam Dailled we	ell 82 Ft Septh	
Annular Space	e	Results of Well Yield Testing	
Depth Set at (m/ft) Type of Sealant U From To (Material and Type		t of well yield, water was: Draw Down	Recovery
(waterial and Type	, , , , , , , , , , , , , , , , , , , ,	ar and sand free Time Water Level er, specify (min) (m/ft)	I Time Water Level (min) (m/ft)
		ng discontinued, give reason: Static	
		Level 1	1
	Pumpi	stake set at (m/ft)	
		take set at (IIII)	2
Method of Construction	Well Use Pumpin	g rate (l/min / GPM) 3	3
Cable Tool Diamond Public	Commercial Not used	g rate (l/min / GPM) 3	3 4
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic	Commercial Not used Duratio	g rate (Vmin / GPM) 3	
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation	Commercial Not used Duratio Municipal Dewatering Test Hole Monitoring	g rate (I/min / GPM) 4 n of pumping hrs +min	4 5
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation Air percussion Industrial	Commercial Not used Duratio Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Final was	g rate (I/min / GPM) 4 n of pumping hrs +min ter level end of pumping (m/ft) 10	5 10
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation Air percussion Industrial Other, specify Other, specification	Commercial Not used Duratio Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning If flowin	g rate (l/min / GPM) 4 n of pumping hrs + min 5 ter level end of pumping (m/ft) g give rate (l/min / GPM) 15	4 5
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation Air percussion Industrial Other, specify Other, specification Record - Casing Inside Open Hote OR Material Wall	Commercial Not used Duratio Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Status of Well	g rate (I/min / GPM) 4 n of pumping hrs +min ter level end of pumping (m/ft) 10	5 10
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation Air percussion Industrial Other, specify Other, spe	Commercial Not used Duratio Municipal Dewatering Monitoring Cooling & Air Conditioning Status of Well Depth (m/ft) Water Supply Recommercial Not used Duratio If flowing Final water Supply Recommercial Recommercial Recommercial Not used Duratio	g rate (l/min / GPM) 4 n of pumping hrs + min ter level end of pumping (m/ft) g give rate (l/min / GPM) 15 20 25	4 5 10 15
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation Air percussion Industrial Other, specify Other, specific Construction Record - Casing Inside Open Hole OR Material Wall Diameter (Galvanized, Fibreglass, Thickness	Commercial Not used Duratio Municipal Dewatering Monitoring Cooling & Air Conditioning Status of Well Depth (m/ft) Water Supply Recommercial Not used Duratio If flowing Final water Supply Recommercial Recommercial Recommercial Not used Duratio	g rate (l/min / GPM) 4 n of pumping hrs + min ter level end of pumping (m/ft) g give rate (l/min / GPM) 15 20 25 mended pump depth (m/ft) 25	4 5 10 15 20
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Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation Air percussion Industrial Other, specify Other, specific Construction Record - Casing Inside Open Hole OR Material Wall Diameter (Galvanized, Fibreglass, Thickness	Commercial Dewatering Duratio Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Depth (m/ft) Water Supply Replacement Well Test Hole Recharge Well Dewatering Well Dewatering Well Observation and/or Monitoring Hole Well provided in the second in the sec	g rate (I/min / GPM) 4 4 n of pumping hrs + min ter level end of pumping (m/tt) g give rate (I/min / GPM) 15 20 25 mended pump depth (m/ft) and depth (m/ft) depth (m/ft) and depth (m/ft)	4 5 10 15 20 25 30 40
Cable Tool Diamond Public Rotary (Conventional) Jetting Domestic Rotary (Reverse) Driving Livestock Boring Digging Irrigation Air percussion Industrial Other, specify Other, specific Construction Record - Casing Inside Open Hole OR Material Wall Diameter (Galvanized, Fibreglass, Thickness	Commercial Dewatering Duratio Municipal Dewatering Test Hole Monitoring Cooling & Air Conditioning Depth (m/ft) Water Supply Replacement Well Test Hole Recommend Well Dewatering Well Dewatering Well Observation and/or Monitoring Hole Alteration (Construction) Disinfeed	g rate (l/min / GPM) 4 n of pumping hrs + min ter level end of pumping (m/ft) 10 g give rate (l/min / GPM) 15 20 25 mended pump depth (m/ft) 26 mended pump rate GPM) 3 4 4 5 4 5 6 6 6 6 6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8	4 5 10 15 20 25 30 40 50
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Measurements recorded in:

Ministry of the Environment

☐ Metric

Well Tag No.	(Place Sti	oker and/or Print Below)
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Regulation 903 Ontario Water Resources Act

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Address of Well Location (Street Number/Name) Township	Lot 1 Concession	incernation received the second
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County/District/Municipality City/Town/Village	Province Postal Code Ontario	>
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Annular Space Depth Set at (<i>m/ft</i>) Type of Sealant Used Volume Placed	Results of Well Yield Testing After test of well yield, water was: Draw Down Recovery	y
From To (Material and Type) (η ³ /ft³)	☐ Clear and sand free Time Water Level Time Water Level Time	_evel
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Wethod of Construction Well Use	Pumping rate (I/min / GPM) 3 /	nessent school and the second
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□ Rotary (Conventional) □ Jetting □ Domestic □ Municipal □ Dewatering □ Rotary (Reverse) □ Driving □ Livestock □ Test Hole □ Monitoring		
☐ Boring ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Air percussion ☐ Industrial	Final water level end of pumping (m/h) 10	
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Construction Record - Casing / Status of Well	20	
Inside Open Hole OR Material Wall Depth (m/ft)	Recommended pump depth (m/ft) 25	nian rotornain romanico
Test Hole	Recommended pump rate	
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Other, specify	1 1 to 00 1	· · · · · · · · · · · · · · · · · · ·
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Water Details Hole Diameter Water found at Depth Kind of Water: Fresh Untested Depth (m/ft) Diameter		
(m/h) Gas Other, specify From To (cm/in)		
Water found at Depth Kind of Water: Fresh Untested		
(m/ft) Gas Other, specify Water found at Depth Kind of Water: Fresh Untested	THE IKAN AS	
(m/ft) Gas Other, specify		
Well Contractor and Well Technician Information		
Business Name of Well Contractor A 2 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1 A 1		
Business Address (Street Number/Name) Municipality	Comments:	*******************
Province Postal Code Business E-mail Address		
ANT LAAD O	Well owner's Date Package Delivered Ministry Use Only	
Bus.Telephone No. (inc. area code) Name, of Well Technician (Last Name, First Name)	information Audit NoZ 1 Q 1 / 7	72
(D) 5534(70, 42500, 275 (2) Well Technician's Licence No. Signature of Technician and/or Contractor Date Submitted	Date Work Completed Yes	
174 //22 (2) DOING BOOK BALL	120156819 1508 19 10 10 10 10 10 10 10 10 10 10 10 10 10	
0506E (2007/12) © Queen's Printer for Ontario, 2007/		MISSAMMENTALIS

Ontario	Ministry of the Environment and Climate Change	Well Tag No. (Place Sticker a	and/or Print Below)		Well Record
Measurements recorded i	_ /	A216087		Regulation 903 Ontario	Water Resources Act
Well Owner's Informa		<u> </u>			.go
	Last Name / Organizat	Cheurier	E-mail Address		☐ Well Constructed by Well Owner
Mailing Address (Street Nu		Municipality A 1 C A	Province		ne No. (inc. area code) 3 8 3 6 1 4 2 2
Well Location Address of Well Location (S	Street Number/Name)	Township	- 3	Lot Conces	
County/District/Municipality	d Montreal R	n orto	RNS		
		City/Town/Village う	NA	Province Ontario	Postal Code
	asting Northing 13671585639	Municipal Plan and Sub	lot Number	Other	
Overburden and Bedroc		ealing Record (see instructions on the		ral Description	Depth (m/ft)
Goet C	CIAY	Otter Materials	NanSc	ar Description	From To
	,				
`					
		,			
	Annular Space		l s	Results of Well Yield Test	
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, v	water was: Draw Dow	
0 1'	Bentonick		Other, specify	(min) (m/	
	Sand U	15 pounds	If pumping discontinued	d, give reason: Level	1
1' 3'6"			Pump intake set at (m	1 2 2	2
			Pumping rate (l/min / 0	<u> </u>	3
	Diamond Public	Well Use ☐ Commercial ☐ Not used		4	4
Rotary (Reverse)] Jetting ☐ Domestic ☐ Driving ☐ Livestock	☐ Municipal☐ Dewatering☐ Test Hole☐ Monitoring	Duration of pumping hrs + m	nin 5	5
☐ Air percussion	Digging ☐ Irrigation ☐ Industrial	Cooling & Air Conditioning	Final water level end of	pumping (m/ft) 10	10
Other, specify Constru	☐ Other, specify	Status of Well	If flowing give rate (I/m		15
Inside Open Hole OR I Diameter (Galvanized, Fib	Material Wall Degreglass. Thickness	oth (m/ft) Water Supply	Recommended pump		20
(cm/in) Concrete, Plastic	c, Steel) (cm/in) From	To Replacement Well Test Hole Recharge Well	Recommended pump	25 and 25 and 25	30
DIA DIA		Dewatering Well Observation and/or	(I/min / GPM)	40	40
174 Plasine		Monitoring Hole Alteration	Well production (Vmin	/ GPM) 50	50
		(Construction) Abandoned,	Disinfected?	60	60
Outeide		Insufficient Supply Abandoned, Poor	Please provide a man l	Map of Well Location below following instructions on the	ha haak
Diameter (cm/in) Material (Plastic, Galvanize		water Quality Abandoned, other, specify	r lease provide a map t	Jedow Tollowing Instructions of the	The back.
11/4 Plast	ck Sch40 1	3'6 ^t □ Other, specify	And the second second		
				A Comment	3-103-7
	ater Details of Water:				100
(m/ft) ☐ Gas ☐ C	of Water: Fresh Unteste	From To (cm/n) d 0 364 6/4		The standard of the standard o	(83)
(m/ft)	ther, specify				And the second s
(m/ft) Gas G	of Water: ☐Fresh ☐Unteste ther, <i>specify</i>		49		- manufacture of the state of t
Well Co Business Name of Well Cont	ontractor and Well Technic ractor	an Information Well Contractor's Licence No.			
Forcas Glee Business Address (Street Nu	rulle Dalling	7151719			
141 Quec	and the second s	Municipality	Comments:		
Province Postal		odress Nax OG Renville, CO		ackage Delivered M	nistry Use Only
Bus.Telephone No. (inc. area c	ode) Name of Well Technician	(Last Name, First Name)	information	Y Y M M D D Audit N	
	Signature of Technician and/or C		Yes Date W	ork Completed	EC 2 0 2016
0506E (2014/11)	14 May	- 月のYBNA4何 Ministry's Copy		1 102 101 152 1 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	EL 4 U ZUIU een's Printer for Ontario, 2014

Ontario	Ministry of the Environment and Climate Change	Well Ta	g No. (Place Sticker a	nd/or Print Below)	The state of the s		We	ell F	Record
Measurements recorded i	/	1416	55 S06		Regulatio	n 903 Oi	ntario Wat Page	er Res	of Ac
Well Owner's Informa	ation Last Name / Organizat	ion		E-mail Address	1				
Mailing Address (Street Nu	HOUL	Cheur	125					by W	Constructed ell Owner
32 STEA	CIE DR	IV	LANCTA	Province	Postal Code	ا ا	elephone N	10. (inc. 3 6	area code) 4 2 k
Well Location Address of Well Location (S		ĪΤ	ownship		Lot	(C	oncession		
County/District/Municipality	d Montreal R	\mathcal{D}	OCI C	AN)		Provinc	·	Posta	l Code
UTM Coordinates Zone , E	asting , Northing		OTTAN	WA		Onta			1600e 18 18 18
NAD 8 3 4 3 5	33681175013	451410	Junicipal Plan and Subio			Other			
	k Materials/Abandonment Sost Common Material		rd (see instructions on the er Materials		ral Description	1		_ Dep	oth (<i>m/ft)</i>
Geet	CIAY			Deng				From 1	75
	/								
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						······································			
	Annular Space			F	Results of W	ell Yield	Testing		
Depth Set at (m/ft) From To	Type of Sealant Used (Material and Type)		Volume Placed (m³/ft³)	After test of well yield,			w Down Water Level		ecovery Water Level
0 20	Bentonite		350 bonds	Other, specify	d, give reason:	(min) Static	(m/ft)	(min)	(m/fi)
20 25	<u> </u>		100 points			Level 1		1	
			, , , , , , , , , , , , , , , , , , , ,	Pump intake set at (n	1∕ft)	2		2	
Method of Constru	uction	Well Us	e	Pumping rate (I/min /	GPM)	3		3	
	Diamond Public Jetting Domestic	☐ Commer ☐ Municipa	=	Duration of pumping		4	A	4	
Boring	Driving Livestock Digging Irrigation	``Test Hold	e Monitoring & Air Conditioning	hrs +n Final water level end of	nin f pumping <i>(m/ft)</i>	10		5 10	
Air percussion Other, specify	☐ Industrial ☐ Other, <i>specif</i> y	/		If flowing give rate (l/n	nin / GPM)	15		15	
Inside Open Hole OR	Iction Record - Casing Material Wall Dep	oth (<i>m/f</i> t)	Status of Well	Recommended pump		20		20	
Diameter (Galvanized, Fib (cm/in) Concrete, Plasti	reglass Thickness	То	Replacement Well			25		25	
1/4 PIAST	18 +3	20'	Recharge Well	Recommended pump (I/min / GPM)	rate	30		30	
			Observation and/or Monitoring Hole	Well production (I/min	/ GPM)	40		40	
			Alteration (Construction)	Disinfected?		60		50 60	
Constr	uction Record - Screen			Yes No	Map of W	للسال	tion	00	
Outside Diameter (Crn/in) Material	ed, Steel) Slot No. From	oth (<i>m/ft)</i> To	Water Quality Abandoned, other,	Please provide a map	below following	instruction	ns on the ba	ick.	
11/4 PLASTA		75	specify	The state of the s	· · · · · · · · · · · · · · · · · · ·	3/0/	Mont	refil	I AN
			Other, specify	A Commence of the Commence of		NATURAL DESIGNATION OF THE PROPERTY OF THE PRO			The state of the s
	ater Details of Water: Fresh Unteste	Hi d Depth	ole Diameter				,		
(m/ft)		From	To (cm/in)	Ace A Prin				(em)	
(m/ft) ☐ Gas ☐ C	other, specify		12 0/4			Market Ma		50b	
Water found at Depth Kind (m/ft) ☐ Gas ☐ C	of Water: Fresh Unteste	d		** Agree propriet and the Selection of t	The second second		A165	500	
Well Co Business Name of Well Cont	entractor and Well Technic		ion I Contractor's Licence No.	and the second			1.7		B
-Foctore Go	ENUMIE DEMIN	a 7	151719		\				Commence of the Commence of th
Business Address (Street Nu	,	<u> </u> G	nicipality	Comments:					
Province Postal	Secundary Control of the Control of	idress	B Grenulle, CO	Well owner's Date Pa	ickage Delivere	d I	Minist	y Use	Only
Bus.Telephone No. (inc. area of		(Last Name, F	First Name)	information package Y Y	Y Y M M	Ā	udit No. Z	23	<u>5708</u>
Well Technician's Licence No. S	Signature of Technician and/or C		00 1 1 1 7 1 1 1 00 1 1 1 1 1 1 1 1 1 1	☐ Yes Date W	ork Completed		Activities and the second	20	2016
0506E (2014/11)	JANET	11/4	<u>∅ ∤ ∅ </u>	₩No QQ	Y 6 A Q	# 4 E	ecelved © Queen's F	rinter for	r Ontario, 2014

0506E (2014/11)

Ministry of the Environment and Climate Change

Well Tag No. (Place Sticker and/or Print Below) 016-5500 B

Well Record Regulation 903 Ontario Water Resources Act

Measurem	nents record	led in:	Metric 🔄	Ímperial	1-3	1000	<u> </u>	R			Page	į.	of
Well Ow First Name	/ner's Info e		Last Name /	*	n	. C *		E-mail A	ddress				Constructed
Mailing Ad	ldress (Stree	t Number/Na	1-100 ime)	10	Cha	<u>/ / ∖ e // ⟨</u> ∕lunicipality	Program.	Province	Postal C	inde	Telephone		ell Owner
<u> 30</u>		eaci	e 0	<u>e </u>		<u>kana</u>	大人	01	1 1	209	61138		1 / 200
Well Loc Address of		on (Street Nu	ımber/Name)			ownship			Lot		Concessio	0	
1208	8 c	old m	conto	Ĕ	RD		RLEA	NS			Concessio	•	
County/Dis	strict/Municip	ality			C	ity/Town/Villa	ge	L:(A)		Prov	ince tario	Postal	
UTM Coord	dinates Zone			orthing	/	/Junicipal Plan	and Subic	ot Number		Othe		K 7	<u>1913 1916</u>
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General C			iais/Abando mon Material			ro (see instruc er Materials	tions on the	back of this for	n) General Descrip	otion			th (<i>m/f<u>t</u>)</i>
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	et at (m/ft)		Annular Type of Sea	lant Used		Volume F			ell yield, water was:	D	i ld Testing Fraw Down		ecovery
From 十二	To	-	(Material an	١ , ١	<u></u>	m³/fi) جسنع		☐ Clear and		Time (min)	♥ Water Leve	Time (min)	Water Levei (m/ft)
71	4'6"		<u>nomia</u>	Night	200	201	Joulnils		continued, give reas	Station: Leve	1		
		~	<u> </u>			<u> </u>	0015d 2	The state of the s		1		1	
					••••••			Pump intake	set at (m/ft)	2		2	
84_41	hod of Con		Sociales Avenue anno 116		487211117			Pumping rate	(Vmin / GPM)	3		3	
Cable To	ool	Diamon	d Pul	olic	Well Us		ot used		· · · · · · · · · · · · · · · · · · ·	4		4	
Rotary (C	Conventional) Reverse)	☐ Jetting☐ Driving	☐ Doi	mestic estock	☐ Municipa ☐ Test Hol		ewatering fonitoring	Duration of p	umping min	5		5	
Boring Air percu		Digging	☐ Irriq	gation		& Air Condition	- · ·	Final water lev	el end of pumping (i	71∕ft) 10		10	
Other, sa				usurar ier, <i>specify</i> _				If flowing give	rate (I/min / GPM)	15		15	**************************************
Inside	1		ecord - Cas		n (<i>m/ft</i>)	Status o			· · · · · · · · · · · · · · · · · · ·	20		20	
Diameter (cm/in)	(Galvanized	OR Material d, Fibreglass, Plastic, Steel)	Wall Thickness (cm/in)	From	To	Water Su Replacem	nent Well	Recommend	ed pump depth (m/	25		25	, <u></u>
	 	stic	1073117	+3	2	☐ Recharge	8	Recommende (Vmin / GPM)	ed pump rate	30		30	
	0 2			· <u> </u>		Dewaterin				40		40	
*****				:		Monitoring Alteration	Hole	Aveil broaucti	on (I/min / GPM)	50		50	
						(Construc	tion)	Disinfected? Yes	No	60		60	
	Co	nstruction R	ecord - Scre	en		Insufficien	nt Supply			Well Lo	cation		
Outside Diameter	Ma (Plastic Galv	tenal /anized, Steel)	Slot No.		n (<i>m/ft)</i>	Water Qu	ality	Please provide	e a map below follow	ving instruc	tions on the b	ack.	
(cm/in)	-	Stic	0-1/10	From	To U Gil	specify	01,01,	A Proposition of the Control of the					
1-4	1100	.3r.c	Sch 40	<u> </u>	7 9	Other, spe	ecify	1		ī	- HOUS	f grand	1
		Water De	l l						Contract of the Contract of th	manufacture and the second		Sep.	
Water foun	nd at Depth		r: 🗌 Fresh 🖟	☑Úntested	Dept	1 ' '	Diameter			Tol.	4	Samuel .	,
	n/ft) Gas		r: Fresh	Untostad	From	To C	(crrvin)			To the second	X		
(m	n/ft) Gas	Other, spe	ecify			<i>i</i>	C.3. Cop			1			
	nd at Depth II n/ft) ☐ Gas		r: Fresh	Untested							<u>e</u>]		
		***************************************	or and Well	Technicia	n Informat	ion		the second	يتردو والمتعلقة		Ì		
Business Na	ame of Well	Contractor		m	We	Contractor's Li	cence No.				7		
Business Ad	CAC ddres s (Stree		wme)	VEIL		nicipality		Comments:	- January Control of the Control of				
		en G	Rewil	16		seeni	ile						
Province	Po	stal Code さいんロゴ	. 1	E-mail Add	iress	Glens	ille (d	Well owner's	Date Package Deli	vered 1	Minis	try Use	Опіч
		or pro-	me of Well T	echnician (I	_ast Name, I	frst Name)	All	information package	YYYYW	į	Audit No.	<u></u>	- 7 07
		○ S Signature	of Technicia	n and/or Co	ntractor Date	≥ \€ e Submitted		delivered Yes	Date Work Comple			~ ~ ·	
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Ministry's Copy

D O I I CAT I O and Climate Change	g No. (Place Sticker an	d/or Print Below)	Regulation	n 903 Ontario	Water Res	Record
	10000			Pa	ge	of
Well Owner's Information First Name Last Name / Organization		E-mail Address			T	
Hool Chev	C C C					Constructed ell Owner
Mailing Address (Street Number/Name)	Municipality	Province	Postal Code		7 am 3	. area code)
Well Location	<u> LANATA</u>		<u> 14214a</u>	<u> 1916 113</u>	536	1142
	Township		Lot	Conces	sion	
1208 Old MONTREAL RD	<u>Oriea</u>	<u>N5</u>				
County/District/Municipality	Dity/Town/Village			Province Ontario	- A	I Code
UTM Coordinates Zone Easting Northing	Municipal Plan and Sublot	t Number		Officer	Ka M	<u>a wichti</u>
NAD 8 3 4 3 5 3 6 7 6 6 5 0 3 7 5 5 4						
Overburden and Bedrock Materials/Abandonment Sealing Reco					Der	oth (<i>m/ft</i>)
	ner Materials		al Description	w.r.	From	To
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·						
Annular Space				Il Yield Testi	STO CHIM STORY SERVICE	
Depth Set at (m/ft) Type of Sealant Used From To (Material and Type)	Volume Placed (m³/ft³)	After test of well yield, w		Draw Down		Recovery Water Level
0 20 RONTONTE	250 pauno	Other, specify		(min) (m/fi		(m/ft)
20 25 SANG	10000000	If pumping discontinued	l, give reason:	Static Level		
	100 100/00			1	1	
		Pump intake set at (m.	/ft)	2	2	
		Pumping rate (I/min / G	PM)	3	3	
Method of Construction Well Us Cable Tool Diamond Public Commer			,	4	4	
Rotary (Conventional) Jetting Domestic Municipal	al Dewatering	Duration of pumping hrs + m	in	5	5	
Rotary (Reverse) ☐ Driving ☐ Livestock ☐ Test Hol ☐ Boring ☐ Digging ☐ Imigation ☐ Cooling	le Monitoring & Air Conditioning	Final water level end of		10		
Air percussion Industrial Other, specify Other, specify					10	
Construction Record - Casing	Status of Well	If flowing give rate (I/m	in / GPM)	15	15	
Inside Open Hole OR Material Wall Depth (m/ft)	☐ Water Supply	Recommended pump	deptin (m/ft)	20	20	
Diameter (Galvanized, Fibreglass, Concrete, Plastic, Steel) (cm/in) From To	Replacement Well Test Hole			25	25	
144 Plaste +3 20	Recharge Well	Recommended pump (Vmin / GPM)	rate	30	30	
	Dewatering Well Observation and/or	Well production (I/min)	(0810)	40	40	
	Monitoring Hole Alteration	vven production (brilling)	(GPIVI)	50	50	
	(Construction)	Disinfected? Yes No		60	60	
Construction Record - Screen	Abandoned, Insufficient Supply	res ivo		ell Location		IIP/XXISSI 9/50/000054
Outside Material Depth (m/ft)	☐ Abandoned, Poor ☐ Water Quality	Please provide a map b			ie back.	
Diameter (cm/in) (Plastic, Galvanized, Steel) Slot No. From To	Abandoned, other, specify					
14 PLASTIE SLY0 20 25					the contract of the contract o	
	☐ Other, specify	demant dela	and the same of th	House		
Water Details H	ole Diameter		1	/ KON	processing.	,
Water found at Depth Kind of Water: Fresh Untested Dept	h (<i>m/ft</i>) Diameter	\{\lambda()	A.			$\langle \cdot / \cdot \rangle$
(m/ft) □ Gas □ Other, specify	To (cm/in) 25 6/4	(7)			(COL)	<i>\</i>
(m/ft) Gas Other, specify	25 014		\	\	- monney	
Water found at Depth Kind of Water: Fresh Untested					and the second	
(m/ft) Gas Other, specify			\			
Well Contractor and Well Technician Informat Business Name of Well Contractor Well	ion I Contractor's Licence No.			4		
Business Address (Street Number/Name) Mui	[
		Comments:	· · · · · · · · · · · · · · · · · · ·			
Province Postal Code Business E-mail Address	Henvill					
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Bus.Telephone No. (inc. area code) Name of Well Technician (Last Name, I	First Name \	information package delivered		Audit No		5709
Well Technician's Licence No. Signature of Technician and/or Contractor Date	! !	delivered 7 7 7 Date Wo	Y M M Sork Completed	7 1 1	LV	UIUU
	e Submitted 좌 사 (& 대 (교 (하 (호 (No 3/0/1)	/ 6 m D 1	D Ø Rece DE	C 2 0	2016
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Nick Sullivan

From: Public Information Services <publicinformationservices@tssa.org>

Sent: February 2, 2022 4:48 PM

To: Nick Sullivan

Subject: RE: Records Search Request (PE5609)

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

NO RECORD FOUND

Hello.

Thank you for your request for confirmation of public information.

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

For a further search in our archives please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?mid=392 and email the completed form to publicinformationservices@tssa.org along with a fee of \$56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard).

Although TSSA believes the information provided pursuant to your request is accurate, please note that TSSA does not warrant this information in any way whatsoever.

Kind regards,

Sherees



Public Information Agent

Facilities and Business Services 345 Carlingview Drive Toronto, Ontario M9W 6N9

Tel: +1-416-734-6222 | Fax: +1-416-734-3568 | E-Mail: publicinformationservices@tssa.org









From: Nick Sullivan < NSullivan@patersongroup.ca>

Sent: February 2, 2022 1:33 PM

To: Public Information Services <publicinformationservices@tssa.org>

Subject: Records Search Request (PE5609)

[CAUTION]: This email originated outside the organisation.

Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Good day,

Could you please complete a search of your records for underground/aboveground storage tanks, historical spills, or other incidents/infractions for the following addresses in Ottawa, Ontario:

Dairy Drive: 1001, 1010, 1015, 1045;

Old Montreal Road: 975, 992, 1016, 1057, 1079.

Thank you,

Nick Sullivan, B.Sc.

patersongroup

solution oriented engineering over 60 years serving our clients

154 Colonnade Road South Ottawa, Ontario, K2E 7J5 Tel: (613) 226-7381 Ext. 208

Cell: (613) 913-3608

This electronic message and any attached documents are intended only for the named recipients. This communication from the Technical Standards and Safety Authority may contain information that is privileged, confidential or otherwise protected from disclosure and it must not be disclosed, copied, forwarded or distributed without authorization. If you have received this message in error, please notify the sender immediately and delete the original message.



File Number: D06-03-22-0035

March 16, 2022

Nick Sullivan Paterson group Inc.

Sent via email [nsullivan@patersongroup.ca]

Dear Nick,

Re: Information Request

1015 – 1045 Dairy Drive, Ottawa, Ontario ("Subject Property")

Internal Department Circulation:

The Planning, Infrastructure and Economic Development Department has the following information in response to your request for information regarding the Subject Property:

- No information was returned on the Subject Property from Departmental circulation.
- Disposals and Environmental Remediation Unit: The City's Environmental Remediation Unit has environmental records on file pertaining to the subject property noted above either directly on or adjacent to the subject property. To submit requests for information under the Municipal Freedom of Information and Protection of Privacy Act, please visit https://ottawa.ca/en/city-hall/accountability-framework/freedom-information-and-protection-privacy/access-information
 - Awaiting reponse
- **Sewer Use Program:** The City's Sewer Use Program has found the following information pertaining to the subject property:
 - Awaiting reponse
- Environment and Health Protection: The City's Environment and Health Protection Branch has found the following information pertaining to the subject property:
 - Awaiting reponse

Documents Provided:

HLUI Summary Report and HLUI Map

The HLUI Summary Report Excel spreadsheet identifies HLUI area, point and line features within 250 metres of the Subject Property, as shown on the provided HLUI Map PDF. Within 500 metres of the Subject Property, landfills and Environmental Risk Management Area (ERMA) are also identified if applicable.

Additional information may be obtained by contacting:

Ontario's Environmental Registry

The Environmental Registry found at https://ero.ontario.ca/ contains "public notices" about environmental matters being proposed by all government ministries covered by the Environmental Bill of Rights. The public notices may contain information about proposed new laws, regulations, policies and programs or about proposals to change or eliminate existing ones. By using keys words i.e. name of proponent/owner and the address one can ascertain if there is any information on the proponent and address under the following categories: Ministry, keywords, notice types, Notice Status, Acts, Instruments and published date (all years).

The Ontario Land Registry Office

Registration of real property is recorded in the Ontario Land Registry Office through the Land Titles Act or the Registry Act. Documents relating to title and other agreements that may affect your property are available to the public for a fee. It is recommended that a property search at the Land Registry Office be included in any investigation as to the historic use of your property. The City of Ottawa cannot comment on any documents to which it is not a party.

Court House 161 Elgin Street 4th Floor Ottawa ON K2P 2K1 Tel: (613) 239-1230

Fax: (613) 239-1422

Please note, as per the HLUI Disclaimer, that the information contained in the HLUI database has been compiled from publicly available records and other sources of information. The HLUI may contain erroneous information given that the records used as sources of information may be flawed. For instance, changes in municipal addresses over time may introduce error. Accordingly, all information from the HLUI database is provided on an "as is" basis with no representation or warranty by the City with respect to the information's accuracy or exhaustiveness in responding to the request.

Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database. Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property. You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.

If you have any further questions or comments, please contact HLUI@ottawa.ca.

Sincerely,

Amya Martinov Student Planner

Per:

Michael Boughton, MCIP, RPP Senior Planner Development Review East Planning Services Planning, Infrastructure and Economic Development Department

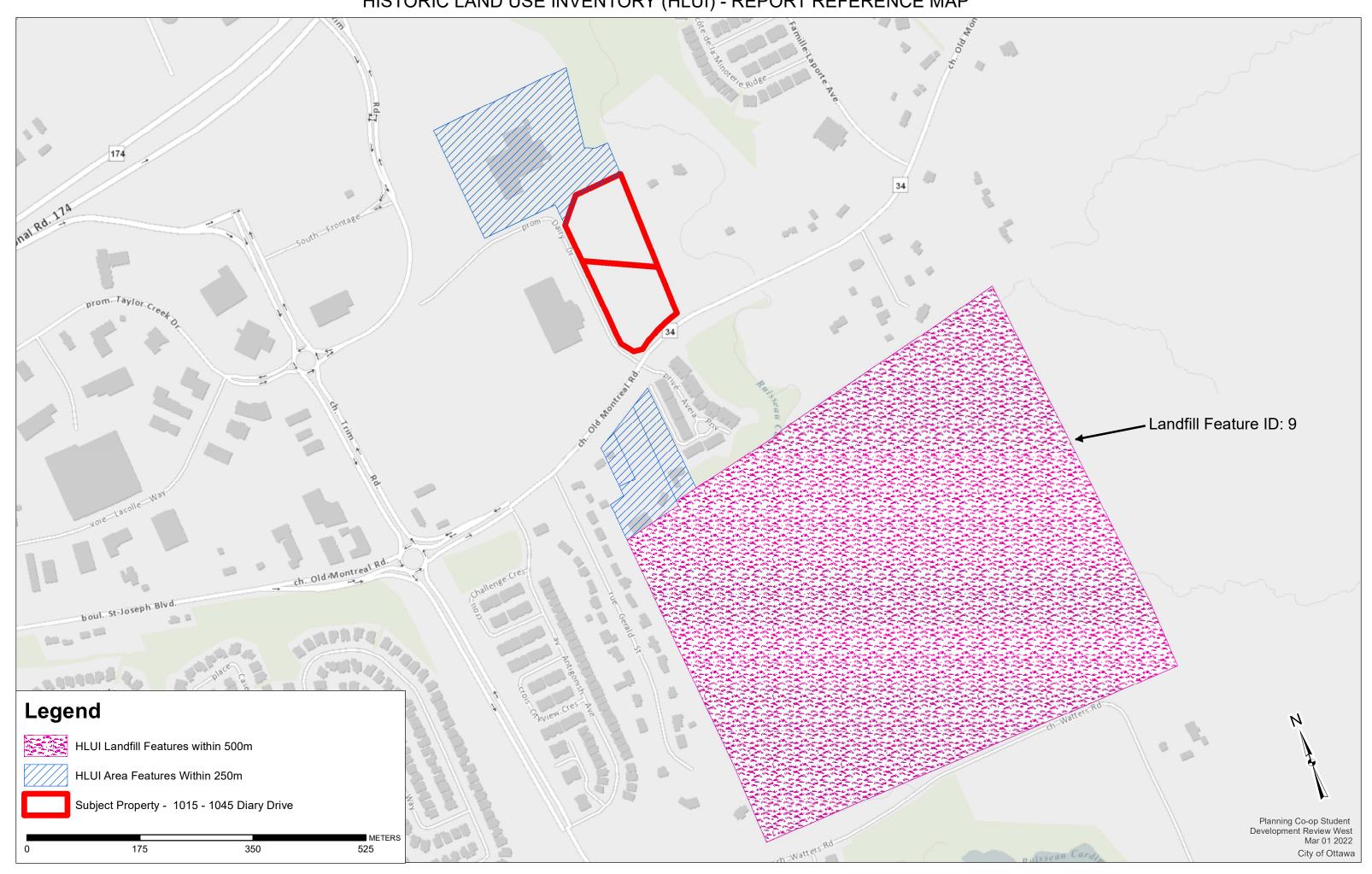
MB / AM

Enclosures: (2)

- 1. HLUI Map
- 2. HLUI Summary Report

cc: File no. D06-03-22-0035

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



OBJECTID	ACTIVITY_NAME	FACILITY_TYPE	SOURCE_UPDATE_SORTED	QAQC	YEAR	YEAR_1	ST_NUM	ST_NAME	ST_SUFFIX	ST_DIR	MUNICIPALI S	ST_NUM201 7	ST_NAME2017	ST_SUFFIX2	2 ST_DIR2017	POSTAL_CO DE2017	PIN2017	MUNICIPALITY2017	NAICS	SIC	COMMENTS	STORAGE_TANK	Shape_Length	Shape_Area
131	3 UNNAMED WASTE DISF	Landfill	1922-DMD-TM-Ottawa-Sheet#14	1 1 1	920-1991	c. <1990; c	0				OTTAWA	1085 V	WATTERS	RD		K4A3P9	1.45E+08	CUMBERLAND :	221320; 221330	499	UTM = 445870E, 5028130		2558.59991	398581.8458
131	4 ACE BODY SHOP	Motor Vehicle Repair Shop	1996-MCBED; 2001-ES; 2005-S	€ 11	996-2012	c. 1996; c.	996 (OLD MONTREAL	RD		CUMBERL	992 (OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND 4	488410; 811112	635; 639			612.0222819	14800.63057
131	5 ACE BODY SHOP	Motor Vehicle Repair Shop	1996-MCBED; 2001-ES; 2005-S	€ 11	996-2012	c. 1996; c.	996 (OLD MONTREAL	RD		CUMBERL	992 (OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND 4	488410; 811112	635; 639			612.0222819	14800.63057
135	39 AULT FOODS LTD	Dairy Products Industries	1996-M	1	1996		1001 [DAIRY	DR		ORLEANS	1001 [DAIRY	DR			1.45E+08	ORLEANS					911.6432353	41100.09099
163	1 LAURIN LIONEL	Gasoline Service Stations	2005-PropertyAssessment	1	2005	c. 2005	992 (OLD MONTREAL	RD		CUMBERL	1000 (OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND 8	811111; 811112;	; 811119; 8	see air photo, extends onto		204.6872669	2016.612387
163	2 D LAPALME PLUMBING	& Mechanical Specialty Worl	I 2005-SelectPhone	1	2005	c. 2001; c.	1016 (OLD MONTREAL	RD			1016 (OLD MONTREAL	RD		K4A3N2	1.45E+08	CUMBERLAND :	238210; 238220;	; 238910			406.4966405	5724.033972
163	5 AGROPUR COOPERATI	V Other/Plant/Office	2012-ES	1	2012	ES 2012	1001 [DAIRY	DR			1001 E	DAIRY	DR		K4A3N3	1.45E+08	CUMBERLAND	311515				911.6432353	41100.09099
163	6 NATREL INC (SEALTES	1 Dairy Products Industries	1996-MCBED; 2000-PID; 2001-E	11	996-2016	c. 1996; c.	1001 [DAIRY	DR		ORLEANS	1001 [DAIRY	DR		K4A3N3	1.45E+08	CUMBERLAND :	311511; 311515	104			911.6432353	41100.09099

HLUI SUMMARY REPORT AREA FEATURES

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Project Property: Phase I ESA

1015-1045 Dairy Drive

Orléans ON K4A 3N3

Project No: PE5609

Report Type: Standard Report Order No: 22020200296

Requested by: Paterson Group Inc.

Date Completed: February 7, 2022

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Executive Summary

Property Information:

Project Property: Phase I ESA

1015-1045 Dairy Drive Orléans ON K4A 3N3

Order No: 22020200296

Project No: PE5609

Coordinates:

 Latitude:
 45.4929509

 Longitude:
 -75.4735142

 UTM Northing:
 5,037,822.40

 UTM Easting:
 463,001.24

UTM Zone: 18T

Elevation: 202 FT

61.70 M

Order Information:

Order No: 22020200296

Date Requested: February 2, 2022

Requested by: Paterson Group Inc.

Report Type: Standard Report

Historical/Products:

Executive Summary: Report Summary

Database	Name	Searched	Project Property	Within 0.25 km	Total
AAGR	Abandoned Aggregate Inventory	Υ	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	Υ	0	0	0
AST	Aboveground Storage Tanks	Υ	0	0	0
AUWR	Automobile Wrecking & Supplies	Υ	0	0	0
BORE	Borehole	Υ	0	2	2
CA	Certificates of Approval	Υ	0	2	2
CDRY	Dry Cleaning Facilities	Υ	0	0	0
CFOT	Commercial Fuel Oil Tanks	Υ	0	0	0
CHEM	Chemical Manufacturers and Distributors	Υ	0	0	0
СНМ	Chemical Register	Υ	0	0	0
CNG	Compressed Natural Gas Stations	Υ	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Υ	0	0	0
CONV	Compliance and Convictions	Υ	0	0	0
CPU	Certificates of Property Use	Υ	0	0	0
DRL	Drill Hole Database	Υ	0	0	0
DTNK	Delisted Fuel Tanks	Υ	0	0	0
EASR	Environmental Activity and Sector Registry	Υ	0	2	2
EBR	Environmental Registry	Υ	0	1	1
ECA	Environmental Compliance Approval	Υ	0	6	6
EEM	Environmental Effects Monitoring	Υ	0	0	0
EHS	ERIS Historical Searches	Υ	1	2	3
EIIS	Environmental Issues Inventory System	Υ	0	0	0
EMHE	Emergency Management Historical Event	Υ	0	0	0
EPAR	Environmental Penalty Annual Report	Υ	0	0	0
EXP	List of Expired Fuels Safety Facilities	Υ	0	0	0
FCON	Federal Convictions	Υ	0	0	0
FCS	Contaminated Sites on Federal Land	Υ	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Υ	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Υ	0	0	0
FST	Fuel Storage Tank	Y	0	0	0
FSTH	Fuel Storage Tank - Historic	Y	0	0	0
GEN	Ontario Regulation 347 Waste Generators Summary	Υ	0	27	27
GHG	Greenhouse Gas Emissions from Large Facilities	Υ	0	0	0
HINC	TSSA Historic Incidents	Υ	0	0	0
IAFT	Indian & Northern Affairs Fuel Tanks	Υ	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Υ	0	0	0
LIMO	Landfill Inventory Management Ontario	Υ	0	0	0
MINE	Canadian Mine Locations	Υ	0	0	0
MNR	Mineral Occurrences	Υ	0	0	0
NATE	National Analysis of Trends in Emergencies System	Y	0	0	0
NCPL	(NATES) Non-Compliance Reports	Υ	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Υ	0	0	0
NDSP	National Defense & Canadian Forces Spills	Υ	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal	Υ	0	0	0
NEBI	Sites National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Υ	0	0	0
NEES	National Environmental Emergencies System (NEES)	Υ	0	0	0
NPCB	National PCB Inventory	Υ	0	2	2
NPRI	National Pollutant Release Inventory	Υ	0	2	2
OGWE	Oil and Gas Wells	Υ	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	Υ	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	Υ	0	0	0
PINC	Pipeline Incidents	Υ	0	1	1
PRT	Private and Retail Fuel Storage Tanks	Υ	0	0	0
PTTW	Permit to Take Water	Υ	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Υ	0	0	0
RSC	Record of Site Condition	Υ	0	0	0
RST	Retail Fuel Storage Tanks	Υ	0	0	0
SCT	Scott's Manufacturing Directory	Υ	0	3	3
SPL	Ontario Spills	Υ	0	3	3
SRDS	Wastewater Discharger Registration Database	Υ	0	0	0
TANK	Anderson's Storage Tanks	Υ	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Υ	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Υ	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	10	10
		Total:	1	63	64

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
<u>1</u> .	EHS		1045 Dairy Drive Orleans ON	-/0.0	0.00	<u>23</u>

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2 *	EHS		N. Side of Old Montreal Rd, W. of Cardinal Creek Ottawa ON	ESE/38.6	-1.46	23
<u>3</u> *	WWIS		lot 29 con 1 ON Well ID: 1513139	ESE/116.8	-6.82	<u>23</u>
<u>4</u> ·	BORE		ON	SE/120.3	1.33	<u>26</u>
<u>5</u>	WWIS		lot 29 con 1 ON <i>Well ID:</i> 1513144	SE/120.4	1.33	<u>27</u>
<u>6</u> -	CA		1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>30</u>
<u>6</u> -	GEN	HFS	1010 Dairy Drive Olreans ON K4A 3N3	WSW/121.1	-0.85	<u>30</u>
<u>6</u>	SCT	Healthcare Food Service ON Inc	1010 Dairy Dr Orléans ON K4A 3N3	WSW/121.1	-0.85	<u>31</u>
<u>6</u>	EBR	HFS Experts in Healthcare Food	1010 Dairy Drive Ottawa K4A 3N3 CITY OF OTTAWA ON	WSW/121.1	-0.85	<u>31</u>
<u>6</u>	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>31</u>
<u>6</u> -	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>32</u>
<u>6</u>	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>32</u>
<u>6</u> .	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>33</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>6</u>	GEN	HFS	1010 Dairy Drive Ottawa ON	WSW/121.1	-0.85	<u>33</u>
<u>6</u>	ECA	Hospital Food Services-Ontario, Inc.	1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K1B 3V6	WSW/121.1	-0.85	<u>33</u>
<u>6</u>	ECA	Hospital Food Services-Ontario, Inc./Services Alimentaires Hospitaliers-Ontario,	Inc. 1010 Dairy Dr Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>34</u>
<u>6</u>	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>34</u>
<u>6</u>	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>35</u>
<u>6</u>	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>35</u>
<u>6</u>	GEN	HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>35</u>
<u>6</u>	EHS		1010 Diary Drive Ottawa Orléans ON K4A 3N3	WSW/121.1	-0.85	<u>36</u>
<u>6</u>	GEN	Apetito HFS Limited	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>36</u>
<u>6</u>	PINC	PIPELINE HIT 4"	(OPP) 1010 DAIRY DR.,,OTTAWA,ON,K4A 3N3,CA ON	WSW/121.1	-0.85	<u>37</u>
<u>6</u>	GEN	Apetito HFS Limited	1010 Dairy Drive Ottawa ON K4A 3N3	WSW/121.1	-0.85	<u>37</u>
<u>7</u>	BORE		ON	ESE/133.8	-3.76	<u>38</u>
<u>8</u>	wwis		lot 29 con 1 ON	ESE/134.0	-3.76	<u>39</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1513143			
<u>9</u>	WWIS		lot 28 ON <i>Well ID:</i> 7332165	ESE/180.2	-7.37	<u>42</u>
<u>10</u>	WWIS		lot 29 con 1 ON	SSE/190.0	3.12	42
			Well ID: 1513150			
<u>11</u>	EASR	SITE PREPARATION LIMITED	ON	E/194.3	-6.13	<u>45</u>
<u>12</u>	WWIS		lot 29 con 1 ON	S/220.3	4.18	<u>45</u>
			Well ID: 1533836			
<u>13</u>	WWIS		lot 28 con 1 ON	E/230.4	1.38	<u>49</u>
			Well ID: 1513137			
<u>14</u>	SPL	NATREL(ONT)INC.	NATREL FOODS, 1001 DAIRY DRIVE 1001 DAIRY DRIVE CUMBERLAND TOWNSHIP CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>52</u>
<u>14</u>	SCT	Natrel Inc.	1001 Dairy Dr Orleans ON K4A 3N3	WNW/232.4	-4.82	<u>52</u>
<u>14</u>	GEN	NATREL ONTARIO INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	<u>52</u>
<u>14</u>	GEN	NATREL (ONTARIO) INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	<u>53</u>
14	GEN	NATREL (SEE & USE ON2687803)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	<u>53</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>54</u>
<u>14</u>	SCT	Agropur Cooperative	1001 Dairy Dr Orléans ON K4A 3N3	WNW/232.4	-4.82	<u>55</u>
14	SPL		1001 Dairy Dr Ottawa ON K4A 3N3	WNW/232.4	-4.82	<u>55</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>14</u>	NPCB	AULT FOODS	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW/232.4	-4.82	<u>55</u>
<u>14</u>	NPCB	NATURAL ONTARIO INC. (AULT FOODS LIMITED)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW/232.4	-4.82	<u>56</u>
<u>14</u>	SPL	Agropur Cooperative	1001 Dairy Dr Ottawa ON K4A 3N3	WNW/232.4	-4.82	<u>56</u>
<u>14</u>	CA	Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW/232.4	-4.82	<u>56</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>57</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>57</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>58</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>59</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON	WNW/232.4	-4.82	<u>59</u>
<u>14</u>	NPRI	AGROPUR COOPERATIVE	101 DAIRY DRIVE RUE NOT AVAILABLE OTTAWA ON K4A 3N3	WNW/232.4	-4.82	<u>60</u>
<u>14</u>	ECA	Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW/232.4	-4.82	<u>61</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>61</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>62</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>63</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>63</u>
<u>14</u>	NPRI	Agropur Cooperative	1001 Dairy Drive Street Orleans ON K4A 3N3	WNW/232.4	-4.82	<u>64</u>
<u>14</u>	EASR	AGROPUR COOPERATIVE AGROPUR COOPERATIVE	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW/232.4	-4.82	<u>65</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>65</u>
<u>14</u>	GEN	AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW/232.4	-4.82	<u>66</u>
<u>15</u>	WWIS		lot 29 con 1 ON	SE/238.9	-2.39	<u>67</u>
<u>16</u>	WWIS		Well ID: 1516405 1208 OLD MONTREAL RD lot 28 Ottawa ON	ESE/242.1	-7.80	<u>70</u>
			Well ID: 7277431			
<u>17</u>	WWIS		1024 OLD MONTREAL RD. 1026 lot 29 OTTAWA ON	SE/246.7	0.77	<u>72</u>
			Well ID: 7170842			
<u>18</u>	ECA	4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE/247.8	-5.06	<u>74</u>
<u>18</u>	ECA	4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE/247.8	-5.06	<u>74</u>
<u>18</u>	ECA	4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE/247.8	-5.06	<u>75</u>

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 2 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	<u>Map Key</u>	
	ON	SE	120.31	4	
Lower Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>	
	ON	ESE	133.80	<u>7</u>	

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 2 CA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
	1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K4A 3N3	WSW	121.09	<u>6</u>
Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW	232.43	<u>14</u>

EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Dec 31, 2021 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
SITE PREPARATION LIMITED	ON	E	194.34	<u>11</u>
AGROPUR COOPERATIVE AGROPUR COOPERATIVE	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW	232.43	<u>14</u>

EBR - Environmental Registry

A search of the EBR database, dated 1994 - Dec 31, 2021 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
HFS Experts in Healthcare Food	1010 Dairy Drive Ottawa K4A 3N3 CITY OF OTTAWA ON	WSW	121.09	<u>6</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Dec 31, 2021 has found that there are 6 ECA site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
Hospital Food Services-Ontario, Inc./Services Alimentaires Hospitaliers-Ontario,	Inc. 1010 Dairy Dr Ottawa ON K4A 3N3	WSW	121.09	<u>6</u>
Hospital Food Services-Ontario, Inc.	1010 Dairy Drive, Pt. Lot 29, Conc. 1 Ottawa ON K1B 3V6	WSW	121.09	<u>6</u>
Agropur Cooperative	1001 Dairy Drive Ottawa ON K4A 3N3	WNW	232.43	<u>14</u>
4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE	247.83	<u>18</u>
4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE	247.83	<u>18</u>
4176855 Canada Inc.	1024-1026 Old Montreal Rd Ottawa ON J9J 2X2	SE	247.83	<u>18</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Nov 30, 2021 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

	1045 Dairy Drive Orleans ON	-	0.00	1
Lower Elevation	Address N. Side of Old Montreal Rd, W. of Cardinal Creek Ottawa ON	<u>Direction</u> ESE	<u>Distance (m)</u> 38.56	Map Key 2
	1010 Diary Drive Ottawa Orléans ON K4A 3N3	WSW	121.09	<u>6</u>

Direction

Distance (m)

Map Key

Order No: 22020200296

GEN - Ontario Regulation 347 Waste Generators Summary

<u>Address</u>

Equal/Higher Elevation

A search of the GEN database, dated 1986-Nov 30, 2021 has found that there are 27 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation Apetito HFS Limited	Address 1010 Dairy Drive Ottawa ON K4A 3N3	<u>Direction</u> WSW	Distance (m) 121.09	Map Key
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	<u>6</u>
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	wsw	121.09	<u>6</u>
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	wsw	121.09	<u>6</u>
Apetito HFS Limited	1010 Dairy Drive Ottawa ON K4A 3N3	wsw	121.09	<u>6</u>
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	<u>6</u>
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	<u>6</u>

HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	<u>6</u>
HFS	1010 Dairy Drive Ottawa ON	wsw	121.09	<u>6</u>
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	wsw	121.09	<u>6</u>
HFS	1010 Dairy Drive Ottawa ON K4A 3N3	WSW	121.09	<u>6</u>
HFS	1010 Dairy Drive Olreans ON K4A 3N3	WSW	121.09	<u>6</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON	WNW	232.43	<u>14</u>

AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
AGROPUR COOPERATIVE	1001 Dairy Drive Orleans CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
NATREL (SEE & USE ON2687803)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	<u>14</u>
NATREL (ONTARIO) INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	<u>14</u>
NATREL ONTARIO INC.	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	<u>14</u>

NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 2 NPCB site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
AULT FOODS	1001 DAIRY DR ORLEANS ON K4A 3N3	WNW	232.43	14
NATURAL ONTARIO INC. (AULT FOODS LIMITED)	1001 DAIRY DRIVE ORLEANS ON K4A 3N3	WNW	232.43	<u>14</u>

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 2 NPRI site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	Map Key
AGROPUR COOPERATIVE	101 DAIRY DRIVE RUE NOT AVAILABLE OTTAWA ON K4A 3N3	WNW	232.43	<u>14</u>
Agropur Cooperative	1001 Dairy Drive Street Orleans ON K4A 3N3	WNW	232.43	<u>14</u>

PINC - Pipeline Incidents

A search of the PINC database, dated May 31, 2021 has found that there are 1 PINC site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	Direction	Distance (m)	<u>Map Key</u>
PIPELINE HIT 4"	(OPP) 1010 DAIRY DR.,,OTTAWA,ON, K4A 3N3,CA ON	WSW	121.09	<u>6</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 3 SCT site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
Healthcare Food Service ON Inc	1010 Dairy Dr Orléans ON K4A 3N3	WSW	121.09	<u>6</u>
Agropur Cooperative	1001 Dairy Dr Orléans ON K4A 3N3	WNW	232.43	<u>14</u>
Natrel Inc.	1001 Dairy Dr Orleans ON K4A 3N3	WNW	232.43	<u>14</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2020 has found that there are 3 SPL site(s) within approximately 0.25 kilometers of the project property.

Lower Elev	<u>Address</u>	<u>Direction</u>	Distance (m)	Map Key
17	erisinfo.com Environmental Risk Information Services			Order No: 22020200296

Agropur Cooperative	1001 Dairy Dr Ottawa ON K4A 3N3	WNW	232.43	<u>14</u>
NATREL(ONT)INC.	NATREL FOODS, 1001 DAIRY DRIVE 1001 DAIRY DRIVE CUMBERLAND TOWNSHIP CUMBERLAND TOWNSHIP ON K4A 3N3	WNW	232.43	<u>14</u>
	1001 Dairy Dr Ottawa ON K4A 3N3	WNW	232.43	<u>14</u>

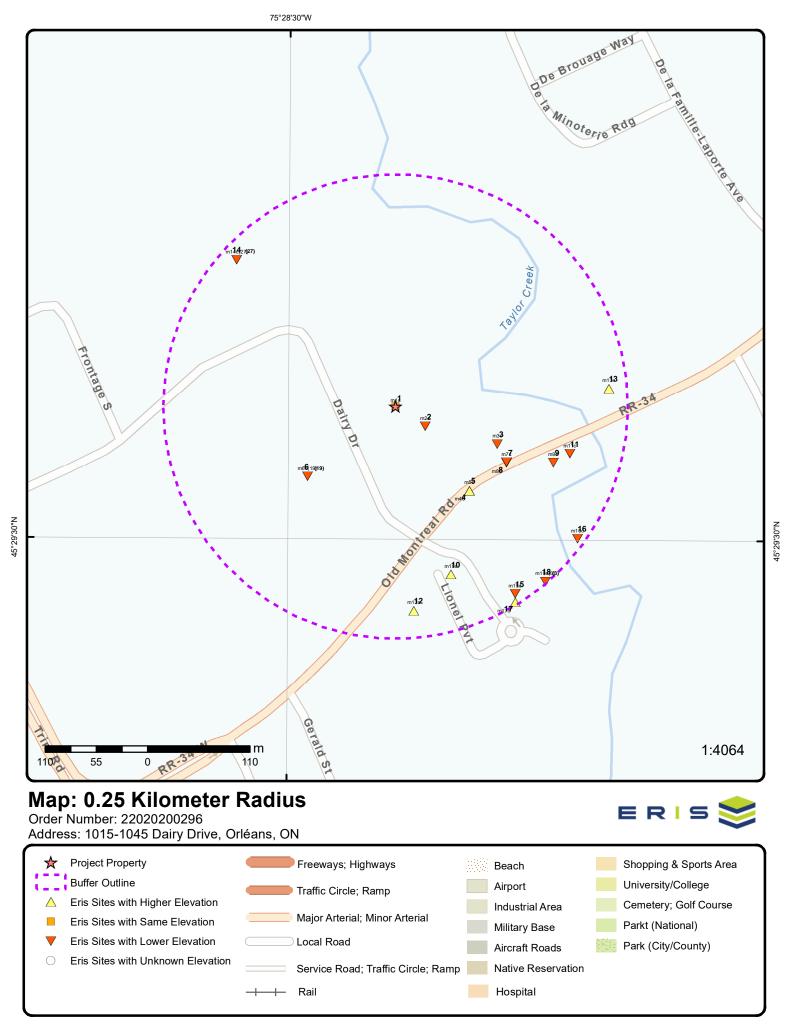
WWIS - Water Well Information System

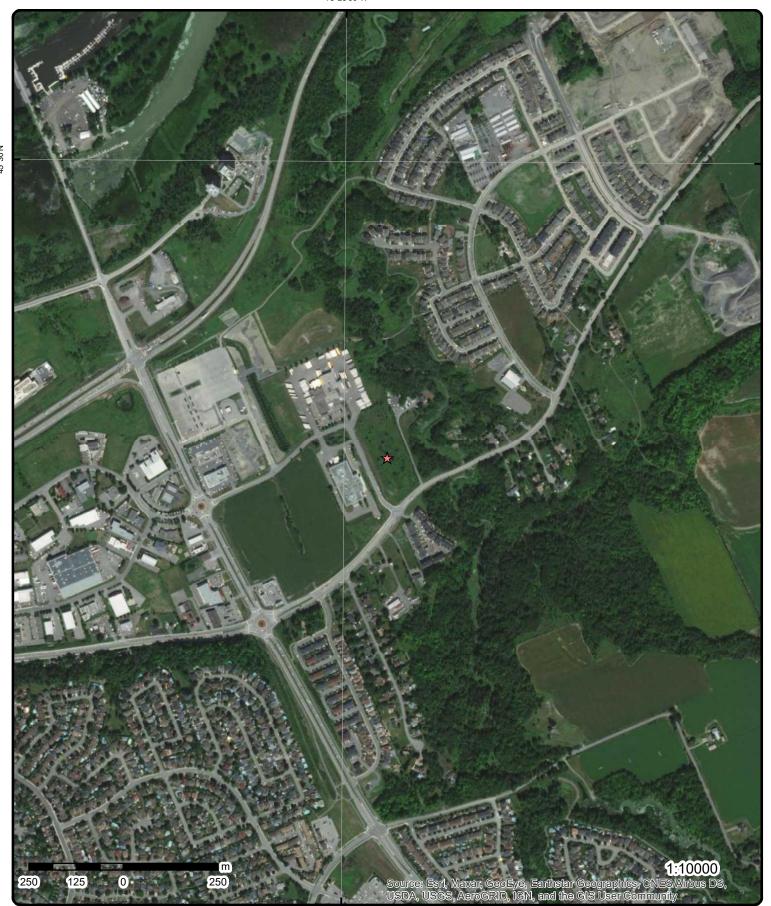
A search of the WWIS database, dated Sep 30, 2021 has found that there are 10 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address lot 29 con 1 ON Well ID: 1513144	<u>Direction</u> SE	<u>Distance (m)</u> 120.43	Map Key 5
	lot 29 con 1 ON <i>Well ID:</i> 1513150	SSE	189.98	<u>10</u>
	lot 29 con 1 ON <i>Well ID:</i> 1533836	S	220.29	<u>12</u>
	lot 28 con 1 ON Well ID: 1513137	Е	230.39	<u>13</u>
	1024 OLD MONTREAL RD. 1026 lot 29 OTTAWA ON <i>Well ID</i> : 7170842	SE	246.68	<u>17</u>
Lower Elevation	Address lot 29 con 1 ON Well ID: 1513139	<u>Direction</u> ESE	<u>Distance (m)</u> 116.77	Map Key 3
	lot 29 con 1 ON	ESE	133.95	<u>8</u>

Well ID: 1513143

lot 28 ON	ESE	180.19	9
Well ID: 7332165			
lot 29 con 1 ON	SE	238.94	<u>15</u>
Well ID: 1516405			
1208 OLD MONTREAL RD lot 28 Ottawa ON	ESE	242.08	<u>16</u>
Well ID: 7277431			





Aerial Year: 2020

Address: 1015-1045 Dairy Drive, Orléans, ON

Source: ESRI World Imagery

Order Number: 22020200296



Topographic Map

Address: 1015-1045 Dairy Drive, ON

Source: ESRI World Topographic Map

Order Number: 22020200296



Detail Report

Мар Кеу	Numb Recor		irection/ istance (m)	Elev/Diff (m)	Site		DB
1	1 of 1	-/0	0.0	61.7/ 0.00	1045 Dairy Drive Orleans ON		EHS
Order No:		20130208003			Nearest Intersection:		
Status:		C			Municipality:	011	
Report Typ		Custom Report 14-FEB-13			Client Prov/State:	ON .25	
Report Date Date Recei		08-FEB-13			Search Radius (km): X:	0	
Previous S Lot/Buildir	ite Name:				Ŷ:	0	
2_	1 of 1	ESE	E/38.6	60.2 / -1.46	N. Side of Old Montre Ottawa ON	eal Rd, W. of Cardinal Creek	EHS
Order No: Status:		20080918009 C			Nearest Intersection: Municipality:	Old Montreal Road and Gerald Street	
Status. Report Typ	e:	Standard Repo	rt		Client Prov/State:	ON	
Report Date		9/26/2008	- -		Search Radius (km):	0.25	
Date Recei		9/18/2008			X:	-75.473104	

45.492758

Order No: 22020200296

<u>3</u>	1 of 1	ESE/116.8	54.9 / -6.82	lot 29 con 1 ON		wwis
Well ID: Construction Primary Water Sec. Water User Final Well Stater Water Type: Casing Mater Audit No: Tag: Construction Elevation (m) Elevation Rel Depth to Bed Well Depth: Overburden/B Pump Rate: Static Water I Flowing (Y/N) Flow Rate: Clear/Cloudy.	rr Use: se: atus: atus: ial: Method: iability: rock: Bedrock: Level:	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 9/10/1957 TRUE 1504 1 OTTAWA CUMBERLAND TOWNSHIP 029 01 OF	

 $https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151 \verb|\| 1513139.pdf | 1513139.pdf$

Fire Insur. Maps and/or Site Plans; City Directory

Additional Detail(s) (Map)

PDF URL (Map):

Previous Site Name:

Additional Info Ordered:

lot size: 7.56 acres

Lot/Building Size:

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

Zone: East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

18

p9

463110.80

5037782.00

unknown UTM

 Well Completed Date:
 1957/07/13

 Year Completed:
 1957

 Depth (m):
 21.336

 Latitude:
 45.4925930299163

 Longitude:
 -75.4721090634403

 Path:
 151\1513139.pdf

Bore Hole Information

 Bore Hole ID:
 10035127
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:

Date Completed: 13-Jul-1957 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931022510

 Layer:
 1

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 60.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931022511

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 60.0 Formation End Depth: 70.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961513139

Method Construction Code:

Method Construction: Diamond

Other Method Construction:

Pipe Information

10583697 Pipe ID: Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930062239

Layer: 2

Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 70.0 Casing Diameter: 2.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930062238 Casing ID:

Layer: Material: Open Hole or Material: STEEL

Depth From:

Depth To: 60.0 Casing Diameter: 2.0 Casing Diameter UOM: inch Casing Depth UOM:

Results of Well Yield Testing

Pump Test ID: 991513139

Pump Set At:

Static Level: 10.0 Final Level After Pumping: 25.0

Recommended Pump Depth:

7.0 Pumping Rate:

Flowing Rate:

Recommended Pump Rate:

Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR**

Pumping Test Method: Pumping Duration HR: 4 **Pumping Duration MIN:** 0 Flowing: No

Water Details

Water ID: 933468640

Layer: 1 Kind Code: 1 Kind: **FRESH** Water Found Depth: 70.0

Water Found Depth UOM:

4 1 of 1 SE/120.3 63.0 / 1.33

ON

45.492143

Order No: 22020200296

Borehole ID:616392Inclin FLG:NoOGF ID:215517180SP Status:Initial EntryStatus:Surv. Flow:No

 Status:
 Surv Elev:
 No

 Type:
 Borehole
 Piezometer:
 No

Use: Primary Name:
Completion Date: OCT-1960 Municipality:
Static Water Level: Lot:

ft

Static Water Level:

Primary Water Use:

Sec. Water Use:

Latitude DD:

 Total Depth m:
 22.9
 Longitude DD:
 -75.472489

 Depth Ref:
 Ground Surface
 UTM Zone:
 18

 Depth Elev:
 Easting:
 463081

 Depth Elev:
 Easting:
 463081

 Drill Method:
 Northing:
 5037732

 Orig Ground Elev m:
 63.7
 Location Accuracy:

Elev Reliabil Note: Accuracy: Not Applicable

DEM Ground Elev m: 65.5

Concession: Location D: Survey D: Comments:

Borehole Geology Stratum

Geology Stratum ID:218403819Mat Consistency:Top Depth:18.3Material Moisture:Bottom Depth:19.8Material Texture:Material Color:Non Geo Mat Type:

Material 1:BouldersGeologic Formation:Material 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: BOULDERS.

Geology Stratum ID:218403820Mat Consistency:Top Depth:19.8Material Moisture:Bottom Depth:21.3Material Texture:Material Color:Non Geo Mat Type:Material 1:SandGeologic Formation:Material 2:Geologic Group:

Material 1:SandGeologic FormationMaterial 2:Geologic Group:Material 3:Geologic Period:Material 4:Depositional Gen:

Gsc Material Description:

Stratum Description: SAND.

218403821 Geology Stratum ID: Mat Consistency: Top Depth: 21.3 Material Moisture: **Bottom Depth:** 22.9 Material Texture: Material Color: Dark Non Geo Mat Type: Material 1: Limestone Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period: Material 4: Depositional Gen:

Gsc Material Description:

Stratum Description: LIMESTONE. GREY. 00075VELOCITY = 5100. BEDROCK. SEISMIC VELOCITY = 13500. K. DARK, GREY,

**Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID:218403818Mat Consistency:Top Depth:0Material Moisture:

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

Depositional Gen:

Bottom Depth: 18.3 Material Texture: Material Color: Blue Non Geo Mat Type: Material 1: Clay Geologic Formation: Material 2: Geologic Group: Material 3: Geologic Period:

Material 4: Gsc Material Description:

CLAY. BLUE. Stratum Description:

Source

Source Type: **Data Survey** Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies Confidence: Horizontal: NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 08900 NTS_Sheet: Source Details:

Confiden 1:

Source List

Source Identifier: Horizontal Datum: NAD27

Data Survey Source Type: Vertical Datum: Mean Average Sea Level Source Date: 1956-1972 Projection Name: Universal Transverse Mercator

Scale or Resolution: Varies Source Name: Urban Geology Automated Information System (UGAIS)

Source Originators: Geological Survey of Canada

lot 29 con 1 1 of 1 SE/120.4 63.0 / 1.33 5 **WWIS** ON

Well ID: 1513144 Data Entry Status:

Construction Date: Data Src: Primary Water Use: Domestic Date Received: 1/19/1961 **TRUE** Sec. Water Use: 0 Selected Flag: Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1504 Casing Material: Form Version: Audit No: Owner:

Street Name: Tag:

Construction Method: County: **OTTAWA**

Municipality: Elevation (m): **CUMBERLAND TOWNSHIP** Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 029 Well Depth: Concession: 01 Overburden/Bedrock: Concession Name: OF

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513144.pdf

Order No: 22020200296

Additional Detail(s) (Map)

Well Completed Date: 1960/10/16 1960 Year Completed: Depth (m): 22.86

45.4921414004159 Latitude: Longitude: -75.4724892279356

Path: 151\1513144.pdf

Bore Hole Information

Bore Hole ID: 10035132 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 463080.80

 Code OB Desc:
 North83:
 5037732.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: 16-Oct-1960 00:00:00 **UTMRC Desc:** margin of error : 100 m - 300 m

Remarks: Location Method: p5
Elevro Desc:

Location Source Date: Improvement Location Source:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931022526

Layer: 2

Color:

General Color:

Mat1: 13

Most Common Material: BOULDERS

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 60.0 **Formation End Depth:** 65.0

Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931022525

 Layer:
 1

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 60.0

Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931022527

Layer: 3 Color:

General Color:

Mat1: 09

Most Common Material: MEDIUM SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 65.0 Formation End Depth: 70.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931022528

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 70.0 Formation End Depth: 75.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961513144

Method Construction Code: 7

Method Construction: Diamond

Other Method Construction:

Pipe Information

Pipe ID: 10583702

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930062247

Layer: Material:

Open Hole or Material: STEEL

Depth From:

Depth To: 72.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062248

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 75.0 Casing Diameter: 2.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513144

Pump Set At:
Static Level: 21.0
Final Level After Pumping: 40.0
Recommended Pump Depth: 45.0
Pumping Rate: 9.0

Flowing Rate:

Recommended Pump Rate: 9.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468645

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 75.0
Water Found Depth UOM: ft

6 1 of 19 WSW/121.1 60.9 / -0.85 1010 Dairy Drive, Pt. Lot 29, Conc. 1
Ottawa ON K4A 3N3

CA

Certificate #: 1992-5C3KUM

Application Year: 02 Issue Date: 9/4/02

Approval Type: Industrial sewage
Status: Approved

Status: Approved Application Type: Application Type: New Certificate of Approval

Client Name: Hospital Food Services-Ontario, Inc.

Client Address: 2585 Sheffield Road

Client City: Ottawa
Client Postal Code: K1B 3V6

Project Description: Construction of stormwater management for hospital food services production plant

Contaminants: Emission Control:

6 2 of 19 WSW/121.1 60.9 / -0.85 HFS GEN

Status:

1010 Dairy Drive Olreans ON K4A 3N3

Order No: 22020200296

 Generator No:
 ON9002851

 SIC Code:
 722310

SIC Description: Food Service Contractors
Approval Years: 03,04,05,06,07,08

Approval Years: 03,04,0 PO Box No: Country: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) 145 Waste Class: Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES Waste Class: Waste Class Desc: ALIPHATIC SOLVENTS Waste Class: Waste Class Desc: WASTE OILS & LUBRICANTS Waste Class: 331 Waste Class Desc: WASTE COMPRESSED GASES 3 of 19 WSW/121.1 60.9 / -0.85 Healthcare Food Service ON Inc 6 SCT 1010 Dairy Dr Orléans ON K4A 3N3 Established: 01-AUG-80 Plant Size (ft2): Employment: --Details--Description: Frozen Food Manufacturing SIC/NAICS Code: 311410 Description: All Other Food Manufacturing SIC/NAICS Code: 311990 6 4 of 19 WSW/121.1 60.9 / -0.85 HFS Experts in Healthcare Food **EBR** 1010 Dairy Drive Ottawa K4A 3N3 CITY OF **OTTAWA** ON EBR Registry No: 010-8360 Decision Posted: 7105-7WZM7N Ministry Ref No: Exception Posted: Notice Type: Instrument Decision Section: Notice Stage: Act 1: Notice Date: July 04, 2012 Act 2: Proposal Date: November 13, 2009 Site Location Map: Year: 2009 Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air) Off Instrument Name: Posted By: Company Name: HFS Experts in Healthcare Food Site Address: Location Other: Proponent Name: 1010 Dairy Drive, Ottawa Ontario, Canada K4A 3N3 Proponent Address: Comment Period: URL: Site Location Details:

1010 Dairy Drive Ottawa K4A 3N3 CITY OF OTTAWA

6 5 of 19 WSW/121.1 60.9 / -0.85 HFS 1010 Dairy Drive GEN

Order No: 22020200296

Ottawa ON K4A 3N3

 Generator No:
 ON9002851
 Status:

 SIC Code:
 722310
 Co Admin:

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

Food Service Contractors SIC Description: Choice of Contact: Approval Years: Phone No Admin:

PO Box No: Contam. Facility: MHSW Facility: Country:

Detail(s)

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class:

WASTE OILS & LUBRICANTS Waste Class Desc:

Waste Class:

WASTE COMPRESSED GASES Waste Class Desc:

6 of 19 WSW/121.1 60.9 / -0.85 6 **GEN**

1010 Dairy Drive Ottawa ON K4A 3N3

ON9002851 Generator No: Status: SIC Code: 722310 Co Admin:

SIC Description: **Food Service Contractors** Choice of Contact: Approval Years: 2010 Phone No Admin:

PO Box No: Contam. Facility: MHSW Facility: Country:

Detail(s)

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class:

Waste Class Desc: ALIPHATIC SOLVENTS

6 7 of 19 WSW/121.1 60.9 / -0.85 **GEN** 1010 Dairy Drive

Order No: 22020200296

Ottawa ON K4A 3N3

Generator No: ON9002851 Status: SIC Code: 722310 Co Admin: SIC Description: Food Service Contractors Choice of Contact:

Approval Years: 2011 Phone No Admin: PO Box No: Contam. Facility: MHSW Facility: Country:

Detail(s)

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

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

Waste Class: 212

ALIPHATIC SOLVENTS Waste Class Desc:

Waste Class:

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

6 8 of 19 WSW/121.1 60.9 / -0.85 **GEN** 1010 Dairy Drive

Status:

MHSW Facility:

Ottawa ON K4A 3N3

Generator No: ON9002851 722310 SIC Code:

SIC Description: **Food Service Contractors**

Approval Years: 2012 PO Box No:

Co Admin: Choice of Contact: Phone No Admin: Contam. Facility:

Detail(s)

Country:

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 212

ALIPHATIC SOLVENTS Waste Class Desc:

Waste Class:

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

6 9 of 19 WSW/121.1 60.9 / -0.85 **HFS GEN**

Status:

1010 Dairy Drive Ottawa ON

ON9002851 Generator No: SIC Code: 722310

SIC Description:

Approval Years: 2013

PO Box No:

Co Admin: FOOD SERVICE CONTRACTORS Choice of Contact: Phone No Admin:

Contam. Facility: Country: MHSW Facility:

Detail(s)

Waste Class:

ACID WASTE - HEAVY METALS Waste Class Desc:

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class:

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

6 10 of 19 WSW/121.1 60.9 / -0.85 Hospital Food Services-Ontario, Inc. **ECA** 1010 Dairy Drive, Pt. Lot 29, Conc. 1

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Ottawa ON K1B 3V6

Approval No: 1992-5C3KUM **MOE District:** 2002-09-04 Approval Date: City: Status: Approved Longitude: Record Type: **ECA** Latitude: IDS Link Source: Geometry X:

SWP Area Name: Geometry Y: **ECA-INDUSTRIAL SEWAGE WORKS** Approval Type: INDUSTRIAL SEWAGE WORKS Project Type:

Business Name: Hospital Food Services-Ontario, Inc.

1010 Dairy Drive, Pt. Lot 29, Conc. 1 Address: Full Address:

https://www.accessenvironment.ene.gov.on.ca/instruments/2379-593SZ3-14.pdf Full PDF Link:

PDF Site Location:

6 11 of 19 WSW/121.1 60.9 / -0.85 Hospital Food Services-Ontario, Inc./Services **ECA**

Alimentaires Hospitaliers-Ontario,

Order No: 22020200296

Inc. 1010 Dairy Dr Ottawa ON K4A 3N3

Approval No: 9825-877LDB **MOE District:** 2012-06-29 Approval Date: City:

Status: Approved Longitude: Record Type: **ECA** Latitude: Link Source: IDS Geometry X: SWP Area Name: Geometry Y:

ECA-AIR Approval Type: Project Type:

Business Name: Hospital Food Services-Ontario, Inc./Services Alimentaires Hospitaliers-Ontario, Inc.

Address: 1010 Dairy Dr

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/7105-7WZM7N-14.pdf

PDF Site Location:

12 of 19 WSW/121.1 60.9 / -0.85 **HFS** 6 **GEN** 1010 Dairy Drive

Ottawa ON K4A 3N3

ON9002851 Generator No: Status: SIC Code: 722310 Co Admin: FOOD SERVICE CONTRACTORS

CO_OFFICIAL SIC Description: Choice of Contact: Approval Years: 2015 Phone No Admin:

Contam. Facility: PO Box No: No Country: Canada MHSW Facility: No

Detail(s)

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class:

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class:

WASTE OILS & LUBRICANTS Waste Class Desc:

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

6 13 of 19 WSW/121.1 60.9 / -0.85 HFS

1010 Dairy Drive Ottawa ON K4A 3N3

 Generator No:
 ON9002851
 Status:

 SIC Code:
 722310
 Co Admin:

SIC Description: FOOD SERVICE CONTRACTORS Choice of Contact: CO_OFFICIAL

Approval Years: 2016 Phone No Admin:

PO Box No:Contam. Facility:NoCountry:CanadaMHSW Facility:No

Detail(s)

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 112

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

6 14 of 19 WSW/121.1 60.9 / -0.85 HFS 1010 Dairy Drive

Ottawa ON K4A 3N3

Generator No: ON9002851 Status:

SIC Code:722310Co Admin:RENZO VERERTISIC Description:FOOD SERVICE CONTRACTORSChoice of Contact:CO_OFFICIAL

Approval Years: 2014 Phone No Admin: 613-834-3390 Ext.

PO Box No:Contam. Facility:NoCountry:CanadaMHSW Facility:No

Detail(s)

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 112

Waste Class Desc: ACID WASTE - HEAVY METALS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 331

Waste Class Desc: WASTE COMPRESSED GASES

6 15 of 19 WSW/121.1 60.9 / -0.85 HFS 1010 Dairy Drive

Ottawa ON K4A 3N3

Number of Direction/ Elev/Diff Site DΒ Map Key

Records Distance (m) (m)

Status: Generator No: ON9002851 Registered Co Admin:

SIC Code: SIC Description:

Approval Years: As of Dec 2018

PO Box No:

Choice of Contact: Phone No Admin: Contam. Facility:

Canada MHSW Facility: Country:

Detail(s)

Waste Class: 112 C

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 112 L

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 145 I

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class:

Waste Class Desc: Aliphatic solvents and residues

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

Waste Class:

Waste Class Desc: Waste compressed gases including cylinders

1010 Diary Drive Ottawa WSW/121.1 60.9 / -0.85 6 16 of 19 **EHS** Orléans ON K4A 3N3

X:

Client Prov/State:

Search Radius (km):

ON

.25

-75.474722 45.492268

Order No: 22020200296

Order No: 20181205139 Nearest Intersection: Municipality:

Status:

Custom Report Report Type: Report Date: 11-DEC-18

Date Received: 05-DEC-18 Previous Site Name:

Lot/Building Size:

Additional Info Ordered: Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos

6 17 of 19 WSW/121.1 60.9 / -0.85 Apetito HFS Limited **GEN** 1010 Dairy Drive

Co Admin:

Choice of Contact:

Ottawa ON K4A 3N3

ON9002851 Generator No: Registered Status:

SIC Code:

SIC Description: As of Jul 2020 Approval Years:

PO Box No:

Country: Canada

Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class:

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class:

Waste Class Desc: Wastes from the use of pigments, coatings and paints

331 I Waste Class:

Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 252 L

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

Waste crankcase oils and lubricants Waste Class Desc:

Waste Class: 112 C

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 212 B

Waste Class Desc: Aliphatic solvents and residues

W\$W/121.1 18 of 19 60.9 / -0.85 PIPELINE HIT 4" 6

(OPP) 1010 DAIRY DR.,,OTTAWA,ON,K4A 3N3,

PINC

GEN

Order No: 22020200296

ON

Co Admin: Choice of Contact:

Phone No Admin:

Incident ID: Pipe Material: 1039578 Incident No: Fuel Category: Incident Reported Dt: 3/7/2013 Health Impact:

FS-Pipeline Incident **Environment Impact:** Type: Status Code: Property Damage: Tank Status: Service Interrupt: Not Investigated Task No: Enforce Policy: Spills Action Centre: Public Relation: Fuel Type: Pipeline System:

Fuel Occurrence Tp: PSIG:

Date of Occurrence: Attribute Category: Occurrence Start Dt: Regulator Location: Method Details: Depth:

Customer Acct Name: PIPELINE HIT 4"

(OPP) 1010 DAIRY DR.,,OTTAWA,ON,K4A 3N3,CA Incident Address:

Operation Type: Pipeline Type: Regulator Type: Summary: Reported By: Affiliation:

Occurrence Desc: Damage Reason:

Notes:

6

WSW/121.1 60.9 / -0.85 Apetito HFS Limited 1010 Dairy Drive

Ottawa ON K4A 3N3

Generator No: ON9002851 Status: Registered

SIC Code: SIC Description:

19 of 19

As of Nov 2021 Approval Years:

Country: Canada

PO Box No: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 145 I

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 331 I

Waste Class Desc: Waste compressed gases including cylinders

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

Waste Class:

Waste Class Desc: Acid solutions - containing heavy metals

Waste Class: 212 B

Waste Class Desc: Aliphatic solvents and residues

Waste Class: 112 C

Waste Class Desc: Acid solutions - containing heavy metals

7 1 of 1 ESE/133.8 57.9 / -3.76 ON BORE

Borehole ID: 616394 **OGF ID:** 215517182

OGF ID: 21551718 **Status**:

Type: Borehole

Use: OCT-1960

Static Water Level: Primary Water Use: Sec. Water Use:

Total Depth m: 21.3

Depth Ref: Ground Surface

Depth Elev: Drill Method:

Orig Ground Elev m: 61

Elev Reliabil Note:

DEM Ground Elev m: 63.9

Concession: Location D: Survey D: Comments: ON .

Inclin FLG: No SP Status: Initial Entry

Surv Elev: No Piezometer: No

Primary Name: Municipality: Lot:

Township:

 Latitude DD:
 45.492416

 Longitude DD:
 -75.47198

 UTM Zone:
 18

 Easting:
 463121

 Northing:
 5037762

Location Accuracy:

Accuracy: Not Applicable

Borehole Geology Stratum

 Geology Stratum ID:
 218403824
 Mat

 Top Depth:
 0
 Mat

 Bottom Depth:
 14.6
 Mat

 Material Color:
 Blue
 Non

 Material 1:
 Clay
 Geo

 Material 2:
 Geo

Material 3: Material 4:

Gsc Material Description:

Stratum Description: CLAY. BLUE.

 Geology Stratum ID:
 218403825

 Top Depth:
 14.6

 Bottom Depth:
 17.7

Material Color:

Material 1: Boulders
Material 2:

Material 3: Material 4:

Gsc Material Description:

Stratum Description: BOULDERS.

Geology Stratum ID: 218403826
Top Depth: 17.7
Bottom Depth: 21.3
Material Color: Grey
Material 1: Limestone

Material 2: Material 3: Material 4:

Gsc Material Description:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

Mat Consistency:
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:

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

Stratum Description: LIMESTONE. GREY. 0007000075VELOCITY = 5100. BEDROCK. SEISMIC VELOCITY = 13500. K. DA **Note:

Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey Source Appl: Spatial/Tabular

Source Orig: Geological Survey of Canada Source Iden: Source Date: 1956-1972 Scale or Res: Varies Confidence: Horizontal: NAD27

Observatio: Verticalda: Mean Average Sea Level

Source Name: Urban Geology Automated Information System (UGAIS)

Source Details: File: OTTAWA2.txt RecordID: 08902 NTS_Sheet: Confiden 1:

Source List

Source Identifier: Horizontal Datum: NAD27

Data Survey Mean Average Sea Level Source Type: Vertical Datum: Source Date: 1956-1972 Projection Name: Universal Transverse Mercator

Scale or Resolution: Varies

Urban Geology Automated Information System (UGAIS) Source Name:

Source Originators: Geological Survey of Canada

ESE/134.0 57.9 / -3.76 8 1 of 1 lot 29 con 1 **WWIS** ON

OTTAWA

Order No: 22020200296

Well ID: 1513143 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 1/19/1961 TRUE Sec. Water Use: Selected Flag:

Final Well Status: Water Supply Abandonment Rec: Water Type: Contractor: 1504

Casing Material: Form Version: 1 Audit No: Owner:

Tag: Street Name: **Construction Method:** County:

Elevation (m): Municipality: **CUMBERLAND TOWNSHIP** Site Info: Elevation Reliability:

Depth to Bedrock: 029 Lot: Well Depth: Concession: 01 Overburden/Bedrock: Concession Name: OF

Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513143.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1960/10/11 1960 Year Completed: Depth (m): 21.336

Latitude: 45.4924135419433 -75.4719795838412 Longitude: 151\1513143.pdf Path:

Bore Hole Information

Elevation: Bore Hole ID: 10035131 DP2BR: Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 463120.80

 Code OB Desc:
 North83:
 5037762.00

 Code OB Desc:
 North83:
 5037762.00

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 5

 Date Completed:
 11-Oct-1960 00:00:00
 UTMRC Desc:
 margin of error: 100 m - 300 m

 Remarks:
 Location Method:
 p5

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931022523

Layer: 2

Color:

General Color:

Mat1: 13

Most Common Material: BOULDERS

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 48.0 Formation End Depth: 58.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931022522

 Layer:
 1

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 48.0 Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931022524

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 58.0 Formation End Depth: 70.0

Formation End Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961513143 **Method Construction Code:** Diamond **Method Construction:** Other Method Construction:

Pipe Information

Pipe ID: 10583701 Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930062245

Layer: Material:

Open Hole or Material: STEEL

Depth From:

Depth To: 60.0 Casing Diameter: 2.0 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

Casing ID: 930062246

Layer: 2 Material:

Open Hole or Material:

OPEN HOLE

Depth From: 70.0 Depth To: Casing Diameter: 2.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513143

Pump Set At:

21.0 Static Level: Final Level After Pumping: 40.0 Recommended Pump Depth: 40.0 9.0 Pumping Rate:

Flowing Rate:

Recommended Pump Rate: 9.0 Levels UOM: ft

Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method: 2 **Pumping Duration HR: Pumping Duration MIN:** 0 No Flowing:

Water Details

Water ID: 933468644

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 70.0

 Water Found Depth UOM:
 ft

9 1 of 1 ESE/180.2 54.3 / -7.37 lot 28 WWIS

Well ID: 7332165 Data Entry Status: Yes

Construction Date: Data Src: Primary Water Use: Date Received: 1/15/2018 Sec. Water Use: Selected Flag: TRUE Final Well Status: Abandonment Rec: Water Type: Contractor: 6894 Casing Material: Form Version: 6

Audit No:C13953Owner:Tag:Street Name:

Construction Method:County:OTTAWAElevation (m):Municipality:CUMBERLAND TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock: Lot: 028

Well Depth: Concession:

Overburden/Bedrock: Concession Name: OF Pump Rate: Easting NAD83:

Static Water Level: Easting NAD83:

Flow Rate:

Northing NADos.

Zone:

UTM Reliability:

PDF URL (Map):

Clear/Cloudy:

Additional Detail(s) (Map)

Well Completed Date: 2017/12/20 Year Completed: 2017

 Depth (m):

 Latitude:
 45.4924161946374

Lantide: 43.4924161946374
Longitude: -75.4713371467115

Path:

Bore Hole Information

Improvement Location Source: Improvement Location Method:

Bore Hole ID: 1007549161 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 463171.00

 Code OB Desc:
 North83:
 5037762.00

 Code OB Desc:
 North83:
 5037762:00

 Open Hole:
 Org CS:
 UTM83

 Cluster Kind:
 UTMRC:
 4

 Date Completed:
 20-Dec-2017 00:00:00
 UTMRC Desc:
 margin of error: 30 m - 100 m

Remarks: Location Method: ww

Elevrc Desc:
Location Source Date:

Source Revision Comment: Supplier Comment:

10 1 of 1 SSE/190.0 64.8 / 3.12 lot 29 con 1

Map Key Number of Direction/ Elev/Diff Site DB

ON

Records Distance (m) (m)

Well ID: 1513150 Data Entry Status:

Construction Date: Data Src: 1

Primary Water Use: Domestic Date Received: 7/30/1970

Sec Water Use: 0 Selected Flag: TRUE

Sec. Water Use:0Selected Flag:TRUEFinal Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1504

Water Type:Contractor:150Casing Material:Form Version:1Audit No:Owner:

Tag: Street Name: Construction Method: County: OTTAWA

 Elevation (m):
 Municipality:
 CUMBERLAND TOWNSHIP

 Elevation Reliability:
 Site Info:

 Depth to Bedrock:
 Lot:
 029

 Well Depth:
 Concession:
 01

Overburden/Bedrock:Concession Name:OFPump Rate:Easting NAD83:

Static Water Level:

Flowing (Y/N):

Flow Rate:

Northing NAD83:

Zone:

UTM Reliability:

PDF URL (Map):

Additional Detail(s) (Map)

Clear/Cloudy:

 Well Completed Date:
 1969/03/07

 Year Completed:
 1969

 Depth (m):
 25.2984

Latitude: 45.4913302656531

Longitude: -75.4727384004197

Path:

Bore Hole Information

 Bore Hole ID:
 10035138
 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 463060.80

 Code OB Desc:
 North83:
 5037642.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

 Date Completed:
 07-Mar-1969 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

Remarks: Location Method: p

Elevrc Desc:
Location Source Date:

Order No: 22020200296

Overburden and Bedrock

Materials Interval

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

Formation ID: 931022543

 Layer:
 1

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 73.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931022544

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 73.0 Formation End Depth: 83.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961513150Method Construction Code:7Method Construction:DiamondOther Method Construction:

Pipe Information

 Pipe ID:
 10583708

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930062260

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 75.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930062261

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:83.0Casing Diameter:2.0Casing Diameter UOM:inchCasing Depth UOM:ft

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

Results of Well Yield Testing

Pump Test ID: 991513150

Pump Set At:

Static Level: 40.0 Final Level After Pumping: 60.0 60.0 Recommended Pump Depth: Pumping Rate: 10.0 Flowing Rate: Recommended Pump Rate: 6.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: Water State After Test: **CLEAR Pumping Test Method: Pumping Duration HR:** 3 Pumping Duration MIN: 0 Flowing: No

Water Details

Water ID: 933468651 Layer: Kind Code: 1 Kind: **FRESH** Water Found Depth: 83.0 Water Found Depth UOM:

1 of 1 E/194.3 55.6 / -6.13 SITE PREPARATION LIMITED 11 **EASR**

ON

Geometry X:

SWP Area Name: Approval No: R-009-4110265422 Rideau Valley REGISTERED Status: MOE District: Ottawa Date: 2017-10-24 Municipality: **EASR** 45.4925 Record Type: Latitude: Link Source: **MOFA** Longitude: -75.47111111

65.9 / 4.18

Project Type: Water Taking - Construction Dewatering

Geometry Y: Full Address:

Approval Type: EASR-Water Taking - Construction Dewatering

Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2045476

S/220.3

PDF URL: PDF Site Location:

12

Well ID:

1533836

ON

lot 29 con 1

Selected Flag:

Form Version:

Municipality:

Contractor:

Owner: Street Name:

County:

Data Entry Status:

Abandonment Rec:

6/6/2003

OTTAWA

CUMBERLAND TOWNSHIP

Order No: 22020200296

TRUE

6006

1

WWIS

Construction Date: Data Src: Primary Water Use: Domestic Date Received:

Sec. Water Use:

1 of 1

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 251152

Tag:

Construction Method: Elevation (m): Elevation Reliability:

029 Depth to Bedrock: Well Depth: Concession: 01 Overburden/Bedrock: Concession Name: CON

Site Info: Lot:

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

Flowing (Y/N):

Zone: Flow Rate: UTM Reliability:

Clear/Cloudy:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1533836.pdf

Additional Detail(s) (Map)

2003/05/01 Well Completed Date: 2003 Year Completed: Depth (m): 21.0312

45.4909771237649 Latitude: Longitude: -75.4732447932222 153\1533836.pdf Path:

Bore Hole Information

Bore Hole ID: 10537670 Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83: 463021.00 5037603.00 Code OB Desc: North83: NA

Open Hole: Org CS: Cluster Kind: UTMRC: 6

Date Completed: 01-May-2003 00:00:00 **UTMRC Desc:** margin of error: 300 m - 1 km

Order No: 22020200296

Remarks: Location Method:

Elevrc Desc: Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 932905899

Layer: 5 Color: 2 **GREY** General Color: 15 Mat1:

LIMESTONE Most Common Material: Mat2: 73

Mat2 Desc: HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 58.0 Formation End Depth: 69.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932905897

Layer: 3 Color: 2 General Color: **GREY** Mat1. 11 Most Common Material: **GRAVEL** Mat2: 85

Mat2 Desc:

SOFT

Mat3: Mat3 Desc:

Formation Top Depth: 50.0 Formation End Depth: 56.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932905898

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 80

 Mat2 Desc:
 POROUS

Mat3:

Mat3 Desc:

Formation Top Depth: 56.0 Formation End Depth: 58.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932905896

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 85

 Mat2 Desc:
 SOFT

Mat3: Mat3 Desc:

Formation Top Depth: 7.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 932905895

Layer: 1 **Color:** 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 85

 Mat2 Desc:
 SOFT

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 7.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933236368

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961533836

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

 Pipe ID:
 11086240

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930097734

Layer: 1
Material: 1

Open Hole or Material:
Depth From:
Depth To:
Casing Diameter:
Casing Diameter UOM:
Casing Depth UOM:

STEEL

58.0
6.0
inch
ft

Construction Record - Casing

Casing ID: 930097735

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To:69.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991533836

Pump Set At:

Static Level:25.0Final Level After Pumping:50.0Recommended Pump Depth:55.0Pumping Rate:25.0Flowing Rate:Recommended Pump Rate:10.0

Recommended Pump Rate: Levels UOM: ft Rate UOM: GPM Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 2 Pumping Duration HR: 1 **Pumping Duration MIN:** 0 Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934121334 Test Type: Recovery Test Duration: 15 25.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934914011 Test Type: Recovery Test Duration: 60 Test Level: 25.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396187 Test Type: Recovery Test Duration: 30 Test Level: 25.0 ft Test Level UOM:

Draw Down & Recovery

934656564 Pump Test Detail ID: Recovery Test Type: Test Duration: 45 25.0 Test Level: Test Level UOM: ft

Water Details

934031200 Water ID: Layer: Kind Code: Kind: **FRESH** 58.0 Water Found Depth: Water Found Depth UOM: ft

1 of 1 E/230.4 63.1 / 1.38 lot 28 con 1 13 **WWIS** ON

Well ID: 1513137

Construction Date: Primary Water Use: **Domestic**

Sec. Water Use: 0

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: Tag:

Construction Method:

Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth:

Overburden/Bedrock:

Data Entry Status: Data Src:

5/17/1965 Date Received: TRUE Selected Flag: Abandonment Rec:

Form Version: Owner:

Contractor:

Street Name: County: **OTTAWA**

Municipality: **CUMBERLAND TOWNSHIP**

1504

1

Site Info:

Lot: 028 Concession: 01 Concession Name: OF

Easting NAD83:

Pump Rate:

Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513137.pdf PDF URL (Map):

Additional Detail(s) (Map)

Well Completed Date: 1965/03/12 1965 Year Completed: Depth (m): 11.5824

45.4931394173469 Latitude: Longitude: -75.4705778498225 Path: 151\1513137.pdf

Bore Hole Information

Bore Hole ID: 10035125 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 463230.80 Code OB: East83: Code OB Desc: North83: 5037842.00

Open Hole: Org CS: Cluster Kind: UTMRC:

Date Completed: UTMRC Desc: 12-Mar-1965 00:00:00 margin of error: 100 m - 300 m

Order No: 22020200296

Remarks: Location Method: p5 Elevrc Desc:

Location Source Date:

Improvement Location Source: Improvement Location Method: **Source Revision Comment:**

Supplier Comment:

Overburden and Bedrock **Materials Interval**

Formation ID: 931022506

Layer: 3 Color: General Color: **BLUE** 05 Mat1: Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 30.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931022507

Layer:

Color: General Color:

Mat1: Most Common Material: **GRAVEL**

Mat2: Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 30.0 Formation End Depth: 38.0 Formation End Depth UOM: ft

Method of Construction & Well

Use

Method Construction ID: 961513137

Method Construction Code:

Method Construction: Diamond

Other Method Construction:

Pipe Information

Pipe ID: 10583695

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930062235

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 38.0
Casing Diameter: 2.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991513137

Pump Set At:

Static Level:20.0Final Level After Pumping:25.0Recommended Pump Depth:25.0Pumping Rate:7.0

Flowing Rate:

Recommended Pump Rate: 6.0 **Levels UOM:** ft

Rate UOM:

Water State After Test Code:

Water State After Test:

CLEAR

Pumping Test Method:

GPM

1

Pumping Test Method: 1
Pumping Duration HR: 3
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933468638

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 38.0
Water Found Depth UOM: ft

Map Key	Number Record		Elev/Diff (m)	Site	DE
<u>14</u>	1 of 27	WNW/232.4	56.9 / -4.82	NATREL(ONT)INC. NATREL FOODS, 1001 DAIRY DRIVE 1001 DAIRY DRIVE CUMBERLAND TOWNSHIP CUMBERLAND TOWNSHIP ON K4A 3N3	SPI
Ref No: Site No: Incident Dt: Year: Incident Cau Incident Eve. Contaminant Contaminant Contaminant Contaminant Contaminant Environment Nature of Im, Receiving Mo Receiving En MOE Resport Dt MOE Arvi MOE Reporte Dt Document Site Name: Site Geo Ref Incident Sun Contaminant	nt: t Code: t Name: t Limit 1: it Freq 1: t UN No 1: t Impact: pact: edium: nv: on Scn: ed Dt: t Closed: ison: f Meth: nmary:	166805 // OTHER CAUSE (N.O.S.) CONFIRMED Soil contamination LAND 4/20/1999 INTENTIONAL/PLANNED NATREL: FUEL A	ND BATTERY ACI	Discharger Report: Material Group: Health/Env Conseq: Client Type: Sector Type: Agency Involved: Nearest Watercourse: Site Address: Site District Office: Site Postal Code: Site Region: Site Municipality: 20601 Site Lot: Site Conc: Northing: Easting: Site Geo Ref Accu: Site Map Datum: SAC Action Class: Source Type:	
<u>14</u>	2 of 27	WNW/232.4	56.9 / -4.82	Natrel Inc. 1001 Dairy Dr Orleans ON K4A 3N3	SCT
Established: Plant Size (ft²): Employment:		1993 125			
Details Description: SIC/NAICS Code:		Fluid Milk Manufacturing 311511			
14	3 of 27	WNW/232.4	56.9 / -4.82	NATREL ONTARIO INC. 1001 DAIRY DRIVE ORLEANS ON K4A 3N3	GEN
Generator No SIC Code: SIC Descript Approval Yea PO Box No: Country:	tion:	ON2193903 1041 FLUID MILK IND. 97,98		Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:	
Detail(s)					
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLV	'ENTS		

Order No: 22020200296

PETROLEUM DISTILLATES

213

Waste Class:

Waste Class Desc:

Number of Elev/Diff Site DΒ Map Key Direction/

Waste Class:

Records

OIL SKIMMINGS & SLUDGES Waste Class Desc:

Waste Class:

WASTE OILS & LUBRICANTS Waste Class Desc:

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Distance (m)

(m)

Waste Class:

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

14 4 of 27 WNW/232.4 56.9 / -4.82 NATREL (ONTARIO) INC. **GEN** 1001 DAIRY DRIVE

ORLEANS ON K4A 3N3

ON2193903 Generator No: SIC Code: 1041

FLUID MILK IND. SIC Description:

Approval Years: 99,00

PO Box No: Country:

Status: Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

Waste Class: 252

WASTE OILS & LUBRICANTS Waste Class Desc:

Waste Class:

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class:

INORGANIC LABORATORY CHEMICALS Waste Class Desc:

Waste Class:

ALIPHATIC SOLVENTS Waste Class Desc:

Waste Class:

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 263

ORGANIC LABORATORY CHEMICALS Waste Class Desc:

14 5 of 27 WNW/232.4 56.9 / -4.82 NATREL (SEE & USE ON2687803) **GEN**

Status:

1001 DAIRY DRIVE **ORLEANS ON K4A 3N3**

Order No: 22020200296

ON2193903 Generator No: SIC Code: 1041

SIC Description: FLUID MILK IND.

Approval Years: 01

PO Box No:

Co Admin: Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Country:

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

(m)

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

ALIPHATIC SOLVENTS Waste Class Desc:

Waste Class: 213

PETROLEUM DISTILLATES Waste Class Desc:

Waste Class:

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

14 6 of 27 WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE **GEN** 1001 Dairy Drive Orleans

CUMBERLAND TOWNSHIP ON K4A 3N3

Order No: 22020200296

Generator No: ON2687803 Status: SIC Code: 413120 Co Admin: Dairy & Milk Products Whl. SIC Description: Choice of Contact: 03,04,05,07,08 Approval Years: Phone No Admin: PO Box No: Contam. Facility:

MHSW Facility: Country:

Detail(s)

Waste Class: 211

AROMATIC SOLVENTS Waste Class Desc:

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class: 114

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212

ALIPHATIC SOLVENTS Waste Class Desc:

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Map Key Number of Direction/ Elev/Diff Site DΒ Records Distance (m) (m) Agropur Cooperative 7 of 27 WNW/232.4 56.9 / -4.82 14 SCT 1001 Dairy Dr Orléans ON K4A 3N3 01-AUG-93 Established: Plant Size (ft2): Employment: --Details--Description: Fluid Milk Manufacturing SIC/NAICS Code: 311511 8 of 27 WNW/232.4 56.9 / -4.82 1001 Dairy Dr 14 **SPL** Ottawa ON K4A 3N3 Ref No: 7738-78A5QT Discharger Report: Site No: Material Group: Waste Incident Dt: Health/Env Conseq: Year: Client Type: Incident Cause: Overflow (Tanks Lagoons) Sector Type: Other Agency Involved: Incident Event: Contaminant Code: 46 Nearest Watercourse: MILK WASTE Contaminant Name: Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region: Environment Impact: Not Anticipated Site Municipality: Ottawa Surface Water Pollution Nature of Impact: Site Lot: Receiving Medium: Site Conc: Water Receiving Env: Northing: NA Easting: MOE Response: No Field Response NA Dt MOE Arvl on Scn: Site Geo Ref Accu: MOE Reported Dt: 10/23/2007 Site Map Datum: Dt Document Closed: SAC Action Class: 11/15/2007 Incident Reason: Negligence (Apparent) - Caused by lack of Source Type: diligence Site Name: Natrel Inc (Sealtest) Site County/District: Site Geo Ref Meth: Incident Summary: @200 L waste milk to storm drain, contained, cleaning Contaminant Qty: 200 L 9 of 27 WNW/232.4 56.9 / -4.82 **AULT FOODS** 14 **NPCB** 1001 DAIRY DR **ORLEANS ON K4A 3N3** F1362 Company Code: **UNDEFINED** Industry: Site Status: Transaction Date: Inspection Date: --Details--F136200 Label:

Order No: 22020200296

BARREL DEBRIS, ETC/FULL Item/State:

No. of Items:

10

OTHER WASTE/LOW

Manufacturer:

Serial No.: PCB Type/Code:

Location:

Number of Direction/ Elev/Diff Site DΒ Map Key Records Distance (m) STORED FOR DISPOSAL Status: Contents: 250 KG 56.9 / -4.82 14 10 of 27 WNW/232.4 NATURAL ONTARIO INC. (AULT FOODS **NPCB** LIMITED) 1001 DAIRY DRIVE **ORLEANS ON K4A 3N3** Company Code: O0463 Industry: FOOD/BEVERAGE/WATER Site Status: STORAGE ONLY (NON FEDERAL) Transaction Date: 1/24/2000 Inspection Date: 6/2/1997 11 of 27 WNW/232.4 56.9 / -4.82 Agropur Cooperative 14 SPL 1001 Dairy Dr Ottawa ON K4A 3N3 Ref No: 8424-7NPT5U Discharger Report: Site No: Material Group: Incident Dt: Health/Env Conseq: Year: Client Type: Incident Cause: Discharge or Emission to Air Other Sector Type: Incident Event: Agency Involved: Contaminant Code: Nearest Watercourse: Contaminant Name: AMMONIA (N.O.S.) Site Address: Contaminant Limit 1: Site District Office: Contam Limit Freq 1: Site Postal Code: Contaminant UN No 1: Site Region: Environment Impact: Not Anticipated Site Municipality: Ottawa Nature of Impact: Site Lot: Receiving Medium: Site Conc: Receiving Env: Northing: NA MOE Response: No Field Response NA Easting: Dt MOE Arvl on Scn: Site Geo Ref Accu: 1/27/2009 **MOE** Reported Dt: Site Map Datum: **Dt Document Closed:** SAC Action Class: Air Spills - Gases and Vapours Negligence (Apparent) - Caused by lack of Incident Reason: Source Type: diligence Site Name: Natrel Inc (Sealtest) Site County/District: Site Geo Ref Meth: Natrel: ammonia refrigerant release of R717 to atm. Incident Summary: Contaminant Qty: 6 kg Agropur Cooperative 14 12 of 27 WNW/232.4 56.9 / -4.82 CA 1001 Dairy Drive Ottawa ON K4A 3N3 Certificate #: 6513-6BSKNX Application Year: 2005 Issue Date: 8/11/2005 Approval Type: Air Approved Status: Application Type: Client Name: Client Address: Client City: Client Postal Code:

Order No: 22020200296

Project Description:

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

Contaminants: **Emission Control:**

> AGROPUR COOPERATIVE 13 of 27 WNW/232.4 56.9 / -4.82 14 **GEN** 1001 Dairy Drive Orleans

CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No: ON2687803 Status: Co Admin: SIC Code: 413120, 311511

SIC Description: Dairy and Milk Products Wholesaler-Choice of Contact: Distributors, Fluid Milk Manufacturing

Approval Years: Phone No Admin:

PO Box No: Contam. Facility: MHSW Facility: Country:

Detail(s)

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class:

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 145

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class:

AROMATIC SOLVENTS Waste Class Desc:

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class:

OIL SKIMMINGS & SLUDGES Waste Class Desc:

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 263

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

AGROPUR COOPERATIVE 14 14 of 27 WNW/232.4 56.9 / -4.82 **GEN** 1001 Dairy Drive Orleans

Order No: 22020200296

CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No: ON2687803 Status:

SIC Code: 413120, 311511 Co Admin: SIC Description: Dairy and Milk Products Wholesaler-Choice of Contact:

Distributors, Fluid Milk Manufacturing Approval Years: 2010 Phone No Admin: Contam. Facility:

PO Box No:

Country: MHSW Facility:

Detail(s)

Waste Class: 145 Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

PAINT/PIGMENT/COATING RESIDUES

Waste Class: 263

Waste Class Desc:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 114

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 211

Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

14 15 of 27 WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE 1001 Dairy Drive Orleans GEN

CUMBERLAND TOWNSHIP ON K4A 3N3

Order No: 22020200296

 Generator No:
 ON2687803

 SIC Code:
 413120, 311511

SIC Description: Dairy and Milk Products Wholesaler-

Distributors, Fluid Milk Manufacturing

Approval Years: 2011

PO Box No:

Country:

Status: Co Admin: Choice of Contact:

Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 114

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 211

Waste Class Desc: AROMATIC SOLVENTS

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class:

PAINT/PIGMENT/COATING RESIDUES Waste Class Desc:

14 16 of 27 WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE

1001 Dairy Drive Orleans **CUMBERLAND TOWNSHIP ON K4A 3N3** **GEN**

Order No: 22020200296

Generator No: ON2687803 Status:

SIC Code: 413120, 311511 Co Admin: SIC Description: Dairy and Milk Products Wholesaler-Choice of Contact: Distributors, Fluid Milk Manufacturing

Approval Years: 2012

PO Box No: Country:

Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class:

ALKALINE WASTES - OTHER METALS Waste Class Desc:

Waste Class:

AROMATIC SOLVENTS Waste Class Desc:

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class:

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 114

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

17 of 27 14 WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE **GEN**

Status:

Co Admin:

Choice of Contact:

1001 Dairy Drive Orleans **CUMBERLAND TOWNSHIP ON**

ON2687803 Generator No: SIC Code: 413120, 311511

DAIRY AND MILK PRODUCTS SIC Description:

WHOLESALER-DISTRIBUTORS, FLUID MILK

MANUFACTURING

Approval Years: 2013 Phone No Admin:

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

PO Box No: Contam. Facility: Country: MHSW Facility:

Detail(s)

Waste Class: 251

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

Waste Class: 211

Waste Class Desc: AROMATIC SOLVENTS

Waste Class:

ALIPHATIC SOLVENTS Waste Class Desc:

Waste Class:

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 114

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 267

Waste Class Desc: **ORGANIC ACIDS**

Waste Class:

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class: 263

ORGANIC LABORATORY CHEMICALS Waste Class Desc:

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

PAINT/PIGMENT/COATING RESIDUES Waste Class Desc:

Waste Class:

PETROLEUM DISTILLATES Waste Class Desc:

14 18 of 27 WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE

101 DAIRY DRIVE RUE NOT AVAILABLE

OTTAWA ON K4A 3N3

NPRI ID: 27628 Submit Date: Other ID: 4/27/2015

No Other ID:

125243 Track ID: 47490 Report ID: **NPRI** Report Type: Rpt Type ID: 1 Report Year: 2014 Not-Current Rpt?: No Yr of Last Filed Rpt: 2014

Fac ID: 212163 AGROPUR COOPÉRATIVE - USINE DE Fac Name:

OTTAWA

Fac Address1: 101 DAIRY DRIVE RUE Fac Address2: **NOT AVAILABLE** K4A 3N3 Fac Postal Zip:

Facility Lat: 45.49344 Facility Long: -75.4757

DLS (Last Filed Rpt):

Facility DLS:

1983 Datum:

Facility Cmnts:

100894 Org ID:

Last Modified: 5/29/2015 3:28:24 PM

Contact ID: Cont Type: Contact Title: Cont First Name: Cont Last Name: Contact Position: Contact Fax: Contact Ph.: Cont Area Code:

Contact Tel.: Contact Ext.: Cont Fax Area Cde: Contact Fax: Contact Email:

Latitude: 45.494363 Longitude: -75.475709

UTM Zone: **UTM Northing:**

NPRI

Number of Direction/ Elev/Diff Site DΒ Map Key

No of Shutdown:

ECA

GEN

Order No: 22020200296

Records Distance (m) (m)

UTM Easting: URL: www.agropur.com No of Empl.: Waste Streams: Parent Co.: No Streams: No Parent Co.: Waste Off Sites: Pollut Prev Cmnts: No Off Sites: Shutdown: Stacks:

No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code:

NAICS Code (2 digit):

NAICS 2 Description: Manufacturing

3115 NAICS Code (4 digit):

NAICS 4 Description: Dairy product manufacturing

NAICS Code (6 digit): 311515

NAICS 6 Description: Butter, cheese, and dry and condensed dairy product manufacturing

14 19 of 27 WNW/232.4 56.9 / -4.82 Agropur Cooperative 1001 Dairy Drive

Ottawa ON K4A 3N3

6513-6BSKNX **MOE District:** Approval No: Ottawa

Approval Date: 2005-08-11 City: Approved -75.475716 Status: Longitude: Record Type: ECA Latitude: 45.494457

Link Source: **IDS** Rideau Valley SWP Area Name: ECA-AIR Approval Type:

Project Type:

Agropur Cooperative **Business Name:** Address: 1001 Dairy Drive

Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/2581-697MRM-14.pdf

PDF Site Location:

20 of 27

56.9 / -4.82 1001 Dairy Drive Orleans

CUMBERLAND TOWNSHIP ON K4A 3N3

AGROPUR COOPERATIVE

Geometry X:

Geometry Y:

Generator No: ON2687803 Status:

WNW/232.4

413120, 311511 Co Admin: Tom Trumper SIC Code: SIC Description: DAIRY AND MILK PRODUCTS Choice of Contact: CO_OFFICIAL

WHOLESALER-DISTRIBUTORS, FLUID MILK

MANUFACTURING

Approval Years: Phone No Admin: 613-834-5776 Ext. 2016

PO Box No: Contam. Facility: No MHSW Facility: Canada No Country:

Detail(s)

14

Waste Class:

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 212

Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Elev/Diff DΒ Map Key Number of Direction/ Site

Waste Class: 114

Records

Waste Class Desc: OTHER INORGANIC ACID WASTES

Distance (m)

(m)

Waste Class:

AROMATIC SOLVENTS Waste Class Desc:

Waste Class:

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class:

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 267

Waste Class Desc: **ORGANIC ACIDS**

Waste Class:

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class:

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

14 21 of 27 WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE **GEN** 1001 Dairy Drive Orleans

Choice of Contact:

Phone No Admin:

CUMBERLAND TOWNSHIP ON K4A 3N3

Tom Trumper

CO_OFFICIAL

613-834-5776 Ext.

Order No: 22020200296

Generator No: ON2687803 Status: Co Admin:

413120, 311511 SIC Code: DAIRY AND MILK PRODUCTS SIC Description:

WHOLESALER-DISTRIBUTORS, FLUID MILK

MANUFACTURING

Approval Years: 2015

PO Box No:

Contam. Facility: No Country: Canada MHSW Facility: No

Detail(s)

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class:

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class:

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 251

Waste Class Desc: OIL SKIMMINGS & SLUDGES

Waste Class: 263

Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: ORGANIC ACIDS

Waste Class:

WASTE OILS & LUBRICANTS Waste Class Desc:

Waste Class:

Waste Class Desc: AROMATIC SOLVENTS

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

Waste Class: 213

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class:

Waste Class Desc: ALIPHATIC SOLVENTS

AGROPUR COOPERATIVE 14 22 of 27 WNW/232.4 56.9 / -4.82 **GEN** 1001 Dairy Drive Orleans

Status:

CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No: ON2687803

SIC Code: 413120, 311511 Co Admin: Tom Trumper DAIRY AND MILK PRODUCTS Choice of Contact: CO_OFFICIAL SIC Description:

WHOLESALER-DISTRIBUTORS, FLUID MILK

MANUFACTURING

Approval Years: 2014

PO Box No:

Canada Country:

Phone No Admin: 613-834-5776 Ext.

Contam. Facility: No MHSW Facility: No

Detail(s)

Waste Class: 263

ORGANIC LABORATORY CHEMICALS Waste Class Desc:

Waste Class:

Waste Class Desc: PETROLEUM DISTILLATES

Waste Class: 122

Waste Class Desc: ALKALINE WASTES - OTHER METALS

Waste Class:

AROMATIC SOLVENTS Waste Class Desc:

Waste Class: 252

Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 148

Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class:

Waste Class Desc: **OIL SKIMMINGS & SLUDGES**

Waste Class: 267

Waste Class Desc: **ORGANIC ACIDS**

Waste Class:

Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class:

Waste Class Desc: PAINT/PIGMENT/COATING RESIDUES

Waste Class:

ALIPHATIC SOLVENTS Waste Class Desc:

WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE 14 23 of 27 **GEN**

1001 Dairy Drive Orleans

CUMBERLAND TOWNSHIP ON K4A 3N3

Order No: 22020200296

Generator No: ON2687803 Status: Registered

SIC Code: SIC Description:

As of Dec 2018 Approval Years: PO Box No:

Choice of Contact: Phone No Admin: Contam. Facility:

Co Admin:

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

Country: Canada MHSW Facility:

Detail(s)

Waste Class: 122 C

Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class:

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 148 C

Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 211 H

Waste Class Desc: Aromatic solvents and residues

Waste Class:

Waste Class Desc: Aliphatic solvents and residues

Waste Class:

Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class:

Petroleum distillates Waste Class Desc:

114 C Waste Class:

Waste Class Desc: Other inorganic acid wastes

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 267 C Waste Class Desc: Organic acids

Waste Class:

Waste Class Desc: Pathological wastes

24 of 27 WNW/232.4 56.9 / -4.82 Agropur Cooperative 14 **NPRI** 1001 Dairy Drive Street

NPRI ID: 27628 Org ID: 105344

Submit Date: 3/10/2016 Other ID: No Other ID: Last Modified:

11/18/2016 8:28:05 AM Track ID: 135304 Contact ID: 64576 Cont Type: Report ID: **NPRI** Contact Title: Report Type:

Rpt Type ID: Report Year: 2015 Cont Last Name: Not-Current Rpt?: **Contact Position:** No 2014 Yr of Last Filed Rpt: Contact Fax: Fac ID: 237525 Contact Ph.: Agropur Coopérative - Usine de Ottawa Fac Name: Cont Area Code:

1001 Dairy Drive Street Fac Address1:

Fac Address2:

K4A 3N3 Fac Postal Zip: Facility Lat: 45.49344 Facility Long: -75.4757

DLS (Last Filed Rpt):

Facility DLS:

1983 Datum:

Facility Cmnts:

URL:

90 No of Empl.:

Cont First Name:

Orleans ON K4A 3N3

Contact Tel.: Contact Ext.:

Cont Fax Area Cde: Contact Fax:

Contact Email:

Latitude: 45.494363 Longitude: -75.475709

Order No: 22020200296

UTM Zone: **UTM Northing:**

UTM Easting: Waste Streams:

Elev/Diff Site DΒ Map Key Number of Direction/

Records Distance (m) (m)

Parent Co.: No Streams: No Parent Co.: Waste Off Sites: Pollut Prev Cmnts: No Off Sites: Stacks: Shutdown: No of Stacks: No of Shutdown:

Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code:

NAICS Code (2 digit): 31

Manufacturing NAICS 2 Description:

NAICS Code (4 digit): 3115

NAICS 4 Description: Dairy product manufacturing

NAICS Code (6 digit): 311515

NAICS 6 Description: Butter, cheese, and dry and condensed dairy product manufacturing

56.9 / -4.82 AGROPUR COOPERATIVE AGROPUR 14 25 of 27 WNW/232.4 **EASR**

COOPERATIVE 1001 DAIRY DR **ORLEANS ON K4A 3N3**

Approval No: R-010-4111090554 SWP Area Name: Rideau Valley REGISTERED Status: MOE District: Ottawa Date: 2019-03-13 Municipality: **ORLEANS** Record Type: **EASR** Latitude: 45.4944444 **MOFA** -75.47583333 Link Source: Longitude:

Project Type: Air Emissions Geometry X: Full Address: Geometry Y:

EASR-Air Emissions

Approval Type: Full PDF Link: http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2136096

PDF URI · PDF Site Location:

> WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE 14 26 of 27 **GEN**

1001 Dairy Drive Orleans

CUMBERLAND TOWNSHIP ON K4A 3N3

Order No: 22020200296

Generator No: ON2687803 Status: Registered

SIC Code: Co Admin:

SIC Description: Choice of Contact: Approval Years: As of Jul 2020

Phone No Admin: PO Box No: Contam. Facility: MHSW Facility:

Country: Canada

Detail(s)

Waste Class: 122 C

Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class:

Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

Waste Class:

Waste Class Desc: Aliphatic solvents and residues

114 C Waste Class:

Waste Class Desc: Other inorganic acid wastes

Waste Class: 213 I Map Key Number of Direction/ Elev/Diff Site DB

Waste Class Desc: Petroleum distillates

Waste Class: 145 I

Records

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Distance (m)

Waste Class: 211 H

Waste Class Desc: Aromatic solvents and residues

Waste Class: 148 C

Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 267 C
Waste Class Desc: Organic acids

Waste Class: 312 P

Waste Class Desc: Pathological wastes

14 27 of 27 WNW/232.4 56.9 / -4.82 AGROPUR COOPERATIVE 1001 Dairy Drive Orleans GEN

CUMBERLAND TOWNSHIP ON K4A 3N3

Generator No: SIC Code:

SIC Code:

SIC Description:

Approval Years: As of Nov 2021

PO Box No:

Country: Canada

Status: Registered Co Admin:

Order No: 22020200296

Choice of Contact: Phone No Admin: Contam. Facility: MHSW Facility:

Detail(s)

Waste Class: 212 L

Waste Class Desc: Aliphatic solvents and residues

ON2687803

Waste Class: 145 I

Waste Class Desc: Wastes from the use of pigments, coatings and paints

Waste Class: 251 L

Waste Class Desc: Waste oils/sludges (petroleum based)

Waste Class: 114 C

Waste Class Desc: Other inorganic acid wastes

Waste Class: 211 H

Waste Class Desc: Aromatic solvents and residues

Waste Class: 252 L

Waste Class Desc: Waste crankcase oils and lubricants

Waste Class: 312 P

Waste Class Desc: Pathological wastes

Waste Class: 122 C

Waste Class Desc: Alkaline slutions - containing other metals and non-metals (not cyanide)

Waste Class: 267 C
Waste Class Desc: Organic acids

Waste Class: 148 C

Waste Class Desc: Misc. wastes and inorganic chemicals

Waste Class: 213 l

Waste Class Desc: Petroleum distillates

15 1 of 1 SE/238.9 59.3 / -2.39 lot 29 con 1 WWIS

Well ID: 1516405 Data Entry Status:

Construction Date:

Primary Water Use: Domestic Date Received:

Primary Water Use:DomesticDate Received:2/10/1978Sec. Water Use:0Selected Flag:TRUEFinal Well Status:Water SupplyAbandonment Rec:

Water Type: Contractor: 1504
Casing Material: Form Version: 1
Audit No: Owner:

Tag: Street Name: Construction Method: County:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 CUMBERLAND TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Site Info:

Lot:

029

Well Depth: Concession: 01
Overburden/Bedrock: Concession Name: OF
Pump Rate: Easting NAD83:

Static Water Level:

Flowing (Y/N):

Flow Rate:

Clear/Cloudy:

Northing NAD83:

Zone:

UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1516405.pdf

Additional Detail(s) (Map)

 Well Completed Date:
 1977/08/08

 Year Completed:
 1977

 Depth (m):
 15.24

 Latitude:
 45.4911448989352

 Longitude:
 -75.4718538079347

 Path:
 151\1516405.pdf

Bore Hole Information

Bore Hole ID: 10038326 Elevation:

 DP2BR:
 Elevrc:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:
 463129.80

 Code OB Desc:
 North83:
 5037621.00

 Open Hole:
 Org CS:

Cluster Kind: UTMRC:

 Date Completed:
 08-Aug-1977 00:00:00
 UTMRC Desc:
 margin of error : 30 m - 100 m

 Remarks:
 Location Method:
 p4

Order No: 22020200296

Elevrc Desc: Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931032026

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 19

 Most Common Material:
 SLATE

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 50.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931032025

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 7.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931032024

 Layer:
 1

 Color:
 5

 General Color:
 YELLOW

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 7.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961516405Method Construction Code:4

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

 Pipe ID:
 10586896

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

 Casing ID:
 930067365

 Layer:
 1

Material: 1
Open Hole or Material: STEEL

Depth From:
Depth To: 22.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991516405

Pump Set At:

Static Level:12.0Final Level After Pumping:30.0Recommended Pump Depth:30.0Pumping Rate:15.0Flowing Rate:15.0

Recommended Pump Rate:

Levels UOM:

Rate UOM:

Water State After Test:

CLEAR

Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

 Pump Test Detail ID:
 934899354

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 12.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934101898

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 12.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934641452

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 12.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934380361

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 12.0

 Test Level UOM:
 ft

Water Details

Water ID: 933472704 **Layer:** 1

Number of Direction/ Elev/Diff Site DΒ Map Key

(m)

Records Distance (m)

FRESH Kind: 50.0 Water Found Depth: Water Found Depth UOM: ft

53.9 / -7.80 1208 OLD MONTREAL RD lot 28 16 1 of 1 ESE/242.1 **WWIS**

Ottawa ON

Well ID: 7277431 Construction Date:

Primary Water Use: Test Hole

Sec. Water Use:

Final Well Status:

Kind Code:

Monitoring and Test Hole

Water Type: Casing Material:

Audit No: Z235707 Tag: A165507

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: 12/20/2016 Selected Flag: TRUE

Abandonment Rec:

Contractor: 7579 Form Version:

Owner:

Street Name: 1208 OLD MONTREAL RD

028

OTTAWA County: Municipality: **CUMBERLAND TOWNSHIP**

Site Info:

I of Concession:

OF Concession Name:

Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/727\7277431.pdf PDF URL (Map):

Additional Detail(s) (Map)

2016/12/14 Well Completed Date: Year Completed: 2016 1.3716 Depth (m):

Latitude: 45.4916794979442 Longitude: -75.4709982581186 Path: 727\7277431.pdf

Bore Hole Information

Bore Hole ID: 1006312109 Elevation: DP2BR: Elevrc:

Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 14-Dec-2016 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 1006506862 Zone: 18 East83:

463197.00 North83: 5037680.00 UTM83 Org CS: UTMRC:

UTMRC Desc: margin of error: 30 m - 100 m

Order No: 22020200296

Location Method:

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc:

Mat3:66Mat3 Desc:DENSEFormation Top Depth:0.0Formation End Depth:4.5Formation End Depth UOM:ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006506869

Layer: 1

 Plug From:
 -3.0

 Plug To:
 2.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1006506870

 Layer:
 2

 Plug From:
 2.0

 Plug To:
 4.5

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:1006506868Method Construction Code:6Method Construction:Boring

Other Method Construction:

Pipe Information

Pipe ID: 1006506861

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 1006506865

Layer: 1 **Material:** 5

Open Hole or Material:PLASTICDepth From:-3.0Depth To:2.0Casing Diameter:1.25Casing Diameter UOM:inchCasing Depth UOM:ft

Construction Record - Screen

Screen ID: 1006506866

Мар Кеу	Number Records		Direction/ Distance (m)	Elev/Diff (m)	Site		DB
Layer: Slot: Screen Top L Screen End L Screen Matel Screen Deptl Screen Diam	Depth: rial: h UOM: eter UOM:		1 40 2.0 4.5 5 ft inch 1.25				
Water Details	<u> </u>						
Water ID: Layer: Kind Code: Kind:			1006506864				
Water Found Water Found		VI :	ft				
Hole Diamete	<u>er</u>						
Hole ID: Diameter: Depth From: Depth To: Hole Depth U			1006506863 6.25 0.0 4.5 ft inch				
<u>17</u>	1 of 1		SE/246.7	62.5 / 0.77	1024 OLD MONTREA OTTAWA ON	L RD. 1026 lot 29	wwis
Well ID: Construction Primary Wate Sec. Water U Final Well Sta Water Type: Casing Mater Audit No: Tag: Construction Elevation (m, Elevation Red Depth to Bed Well Depth: Overburden/ Pump Rate: Static Water Flowing (Y/N, Flow Rate: Clear/Cloudy	er Use: lse: lse: atus: in Method: in Method: liability: lrock: Bedrock: Level:	7170842 Not Used Abandone Z128681	I		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:	11/1/2011 TRUE Yes 7260 7 1024 OLD MONTREAL RD. 1026 OTTAWA CUMBERLAND TOWNSHIP 029 OF	
PDF URL (Ma	ap):		https://d2khazk8e83	rdv.cloudfront.ne	et/moe_mapping/downloads/	2Water/Wells_pdfs/717\7170842.pdf	
Additional De	etail(s) (Ma _l	<u>o)</u>					
Well Comple Year Comple Depth (m): Latitude: Longitude: Path:			2011/08/26 2011 45.4910639019116 -75.4718505720452 717\7170842.pdf				

Order No: 22020200296

Elevation:

18 463130.00

5037612.00

margin of error: 10 - 30 m

Order No: 22020200296

UTM83

Elevrc:

Zone:

East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

Bore Hole Information

Bore Hole ID: 1003593472

DP2BR: Spatial Status: Code OB: Code OB Desc:

Open Hole: Cluster Kind:

Date Completed: 26-Aug-2011 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Annular Space/Abandonment

Sealing Record

Plug ID: 1003997314

 Layer:
 3

 Plug From:
 40.0

 Plug To:
 82.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003997312

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 5.0

 Plug Depth UOM:
 ft

Annular Space/Abandonment

Sealing Record

Plug ID: 1003997313

 Layer:
 2

 Plug From:
 5.0

 Plug To:
 40.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 1003997311

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 1003997304

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 1003997308

Layer: Material:

Open Hole or Material:

Depth From: Depth To:

Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID: 1003997309

Layer: Slot:

Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
inch

Water Details

Screen Diameter:

Water ID: 1003997307

Layer: Kind Code: Kind:

Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1003997306

Diameter:
Depth From:
Depth To:

Hole Depth UOM: ft
Hole Diameter UOM: inch

18 1 of 3 SE/247.8 56.6 / -5.06 4176855 Canada Inc.

1024-1026 Old Montreal Rd Ottawa ON J9J 2X2

0379-8UJGCZ **MOE District:** Approval No: Approval Date: 2012-05-25 City: Status: Approved Longitude: Record Type: ECA Latitude: Link Source: **IDS** Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: 4176855 Canada Inc.
Address: 1024-1026 Old Montreal Rd

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1207-8UBHD4-14.pdf

PDF Site Location:

18 2 of 3 SE/247.8 56.6 / -5.06 4176855 Canada Inc.
1024-1026 Old Montreal Rd

ECA

Map Key Number of Direction/ Elev/Diff Site DB

Records Distance (m) (m)

Ottawa ON J9J 2X2

Approval No: 0929-8X5PKB **MOE District:** Approval Date: 2012-08-23 City: Status: Approved Longitude: Record Type: **ECA** Latitude: IDS Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: 4176855 Canada Inc.
Address: 1024-1026 Old Montreal Rd

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/0426-8UBHKQ-14.pdf

PDF Site Location:

18 3 of 3 SE/247.8 56.6 / -5.06 4176855 Canada Inc.

1024-1026 Old Montreal Rd Ottawa ON J9J 2X2

Order No: 22020200296

Approval No: 4396-8UKNHT **MOE District:** Approval Date: 2012-05-30 City: Approved Longitude: Status: Record Type: **ECA** Latitude: **IDS** Link Source: Geometry X: SWP Area Name: Geometry Y:

Approval Type:ECA-MUNICIPAL AND PRIVATE SEWAGE WORKSProject Type:MUNICIPAL AND PRIVATE SEWAGE WORKS

Business Name: 4176855 Canada Inc.
Address: 1024-1026 Old Montreal Rd

Full Address:

Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/6244-8UBHMQ-14.pdf

PDF Site Location:

Unplottable Summary

Total: 24 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	CUMBERLAND TOWNSHIP	OLD MONTREAL RD./BECKETT'S CK.	CUMBERLAND TWP. ON	
wwis		lot 28	ON	
WWIS		lot 28	ON	
wwis		lot 28	ON	
wwis		lot 28	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 29	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	
WWIS		lot 28	ON	
WWIS		lot 29 con 1	ON	

wwis	lot 28	ON
wwis	lot 28	ON
wwis	lot 29 con 1	ON
wwis	lot 28	ON
WWIS	lot 28	ON

Unplottable Report

Site: CUMBERLAND TOWNSHIP

OLD MONTREAL RD./BECKETT'S CK. CUMBERLAND TWP. ON

Database:

Order No: 22020200296

Certificate #: 3-0306-95-Application Year: 95

Issue Date: 4/20/1995
Approval Type: Municipal sewage
Status: Approved

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

Site:

lot 28 ON

Database:

WWIS

Well ID: 1523901 Data Entry Status:

Construction Date: Data Src:

 Primary Water Use:
 Domestic
 Date Received:
 10/12/1989

 Sec. Water Use:
 Selected Flag:
 TRUE

 Final Well Status:
 Water Supply
 Abandonment Rec:

Final Well Status: Water Supply Abandonment Rec:
Water Type: Contractor: 1517

Casing Material:Form Version:1Audit No:44263Owner:

Tag:Street Name:Construction Method:County:OTTAWA

 Elevation (m):
 Municipality:
 CUMBERLAND TOWNSHIP

 Elevation Reliability:
 Site Info:

Depth to Bedrock: Lot: 028

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Flowing (Y/N):
Flow Rate:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045673 Elevation:
DP2BR: Elevrc:

Spatial Status: Zone: 18
Code OB: East83:

Code OB:East83:Code OB Desc:North83:Open Hole:Org CS:Cluster Kind:UTMRC:

 Cluster Kind:
 UTMRC:
 9

 Date Completed:
 06-Sep-1989 00:00:00
 UTMRC Desc:
 unknown UTM

Remarks: Location Method: na

Elevrc Desc:

Location Source Date:

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

Overburden and Bedrock

Materials Interval

Formation ID: 931056142

Layer: 4
Color: 8

General Color: BLACK **Mat1:** 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 35.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931056139

 Layer:
 1

 Color:
 7

 General Color:
 RED

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 12.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931056140

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 12.0 Formation End Depth: 27.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931056141

Layer: 3 Color: 2 General Color: **GREY** Mat1: 11 Most Common Material: **GRAVEL** Mat2: 28 Mat2 Desc: SAND Mat3: 12 Mat3 Desc: **STONES** Formation Top Depth: 27.0

Formation End Depth: 35.0 ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933110471

 Layer:
 1

 Plug From:
 2.0

 Plug To:
 35.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961523901Method Construction Code:4

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10594243
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930079942

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:35.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991523901

Pump Set At: Static Level:

Final Level After Pumping: 30.0
Recommended Pump Depth: 35.0
Pumping Rate: 45.0

Flowing Rate:
Recommended Pump Rate: 25.0
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code:

Water State After Test:

Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID: 934909069

Test Type:

Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

934106662 Pump Test Detail ID:

Test Type:

Test Duration: 15 25.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390891

Test Type:

Test Duration: 30 Test Level: 28.0 Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934651865

Test Type:

Test Duration: 45 Test Level: 30.0 Test Level UOM: ft

Water Details

Water ID: 933482338

Layer: Kind Code: 1 Kind: **FRESH** Water Found Depth: 48.0 Water Found Depth UOM:

Site: Database: **WWIS** lot 28 ON

Owner:

Order No: 22020200296

Well ID: 1523827 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: **Public** Date Received: 9/11/1989 Sec. Water Use: Selected Flag: TRUE

Final Well Status:

Water Supply Abandonment Rec: Water Type: Contractor: 2351 Casing Material: Form Version: 1 37633

Audit No:

Street Name: Tag:

Construction Method:

OTTAWA County: Municipality: **CUMBERLAND TOWNSHIP** Elevation (m):

Elevation Reliability: Site Info:

028 Depth to Bedrock: Lot: Well Depth: Concession:

Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Static Water Level: Northing NAD83: Flowing (Y/N): Zone: UTM Reliability: Flow Rate:

Bore Hole Information

Clear/Cloudy:

Bore Hole ID: 10045600 Elevation:

DP2BR: Elevrc: 18 Spatial Status: Zone:

Code OB: East83: Code OB Desc: North83: Open Hole: Cluster Kind:

Date Completed: 28-Aug-1989 00:00:00

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: 6 Color: General Color: **BROWN**

Mat1: 28 Most Common Material: SAND

931055871

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 28.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

931055873 Formation ID:

Layer: Color: 2 General Color: **GREY** 14

Most Common Material: HARDPAN

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

57.0 Formation Top Depth: Formation End Depth: 69.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931055872

Layer: 2 Color: 3 **BLUE** General Color: Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 28.0 57.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931055874 Org CS:

UTMRC: UTMRC Desc: unknown UTM

Location Method: na

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 69.0 Formation End Depth: 93.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933110430

 Layer:
 1

 Plug From:
 6.0

 Plug To:
 25.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961523827Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10594170

 Casing No:
 1

 Comment:
 1

Alt Name:

Construction Record - Casing

 Casing ID:
 930079817

 Layer:
 1

Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:69.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991523827

Pump Set At:

Static Level: 54.0 Final Level After Pumping: 71.0 Recommended Pump Depth: 88.0 Pumping Rate: 29.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 Water State After Test: CLOUDY Pumping Test Method: Pumping Duration HR: **Pumping Duration MIN:** 35

Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934106599 Test Type: Draw Down Test Duration: 15 Test Level: 64.0 Test Level UOM: ft

Draw Down & Recovery

934651803 Pump Test Detail ID: Draw Down Test Type: Test Duration: 45 71.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934909009 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 Test Level: 71.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390829 Draw Down Test Type: Test Duration: 30 70.0 Test Level: Test Level UOM:

Water Details

933482239 Water ID: Layer: Kind Code: **FRESH** Kind: Water Found Depth: 90.0 Water Found Depth UOM: ft

Site: Database: lot 28 ON **WWIS**

Well ID: 1523456

Construction Date: Primary Water Use: Domestic

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 37602

Tag:

Construction Method: Elevation (m): Elevation Reliability:

Depth to Bedrock: Well Depth:

Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate:

Data Entry Status: Data Src:

Date Received: 6/20/1989 TRUE Selected Flag: Abandonment Rec:

Contractor: 2351 Form Version:

Owner: Street Name:

OTTAWA County:

Municipality: **CUMBERLAND TOWNSHIP**

Order No: 22020200296

Site Info:

Lot: 028

Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Clear/Cloudy:

Bore Hole Information

Bore Hole ID: 10045231

DP2BR: Spatial Status:

Code OB: Code OB Desc:

Open Hole: Cluster Kind:

31-May-1989 00:00:00

Date Completed: Remarks:

Elevrc Desc:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931054677 Formation ID:

Layer: Color: 8 General Color: **BLACK** Mat1:

HARDPAN Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

37.0 Formation Top Depth: 52.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931054675

Layer: Color: 6 **BROWN** General Color: Mat1: 28 Most Common Material: SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 6.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931054676 Formation ID:

Layer: 2 3 Color: General Color: **BLUE** Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3:

Elevation: Elevrc:

Zone: 18

East83: North83: Org CS: UTMRC:

9 UTMRC Desc: unknown UTM

Location Method:

Mat3 Desc:

Formation Top Depth: 6.0 Formation End Depth: 37.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931054678

 Layer:
 4

 Color:
 8

 General Color:
 BLACK

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 52.0 Formation End Depth: 54.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933110312

 Layer:
 1

 Plug From:
 6.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961523456Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10593801

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930079150

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 54.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523456

Pump Set At:

Static Level:18.0Final Level After Pumping:43.0Recommended Pump Depth:48.0

Pumping Rate: 12.0 Flowing Rate: Recommended Pump Rate: 6.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 2 Water State After Test: CLOUDY Pumping Test Method: 2 **Pumping Duration HR:** 1 **Pumping Duration MIN:** 50 No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934104982

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 29.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934907396

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 43.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934650192

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 43.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934389211

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 38.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933481722

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 54.0

 Water Found Depth UOM:
 ft

Site:

lot 28 ON

Database:

WWIS

Order No: 22020200296

Well ID: 1522253 Data Entry Status:

Construction Date: Data Src:

 Primary Water Use:
 Domestic
 Date Received:
 4/8/1988

 Sec. Water Use:
 Selected Flag:
 TRUE

 Final Well Status:
 Water Supply
 Abandonment Rec:

Water Type: Contractor: 2351

Casing Material: Form Version: 1
Audit No: 12607 Owner:

Street Name:

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:

OTTAWA County:

Municipality: **CUMBERLAND TOWNSHIP**

Site Info:

Lot: 028

Concession: Concession Name: Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10044066

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 01-Feb-1988 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation: Elevrc:

Zone: 18

East83: North83: Org CS: **UTMRC:**

9

UTMRC Desc: unknown UTM

Order No: 22020200296

Location Method:

Overburden and Bedrock

Materials Interval

931050712 Formation ID:

Layer: 2 Color: 3 **BLUE** General Color: Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 17.0 Formation End Depth: 23.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931050713

Layer: 3 Color: 8 **BLACK** General Color: Mat1: 11 Most Common Material: **GRAVEL** Mat2: 31

Mat2 Desc: COARSE GRAVEL

Mat3: Mat3 Desc:

Formation Top Depth: 23.0 Formation End Depth: 32.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931050711

 Layer:
 1

 Color:
 7

 General Color:
 RED

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961522253Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

Alt Name:

 Pipe ID:
 10592636

 Casing No:
 1

 Comment:
 1

Construction Record - Casing

 Casing ID:
 930077071

 Laver:
 1

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:32.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991522253

Pump Set At:

Static Level:9.0Final Level After Pumping:24.0Recommended Pump Depth:25.0Pumping Rate:23.0Flowing Rate:

Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2

Pumping Test Method:2Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID:934109361Test Type:Draw DownTest Duration:15

Test Level: 18.0 Test Level UOM: 18.0

Draw Down & Recovery

 Pump Test Detail ID:
 934903428

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 24.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934385764

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 24.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934654595

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 24.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933480070

 Layer:
 1

 Kind Code:
 1

Kind: FRESH
Water Found Depth: 32.0
Water Found Depth UOM: ft

<u>Site:</u>
| lot 28 | ON | Database: | WWIS

Order No: 22020200296

Well ID: 1521841 Data Entry Status:

Construction Date: Data Src:

Primary Water Use:DomesticDate Received:10/22/1987Sec. Water Use:Selected Flag:TRUE

Final Well Status: Water Supply

Abandonment Rec:

Water Type: Contractor: 2351

 Water Type:
 Contractor:
 2351

 Casing Material:
 Form Version:
 1

 Audit No:
 12546
 Owner:

Tag: Street Name:
Construction Method: County: OTTAWA

Elevation (m): Municipality: CUMBERLAND TOWNSHIP

Elevation Reliability: Site Info:

Depth to Bedrock:Lot:028Well Depth:Concession:

Overburden/Bedrock:Concession Name:Pump Rate:Easting NAD83:Static Water Level:Northing NAD83:

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

Bore Hole Information

Clear/Cloudy:

 Bore Hole ID:
 10043654
 Elevation:

 DP2BR:
 Elevrc:

Spatial Status: Zone: 18

Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 24-Sep-1987 00:00:00 East83:

North83:

Org CS:

UTMRC:

UTMRC Desc:

Location Method:

9

na

unknown UTM

Order No: 22020200296

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

931049339 Formation ID:

Layer: Color: 8 General Color: **BLACK** Mat1: 11 Most Common Material: **GRAVEL** Mat2: 31

COARSE GRAVEL Mat2 Desc:

Mat3: Mat3 Desc:

Formation Top Depth: 36.0 Formation End Depth: 37.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931049338

Layer: Color: 6 General Color: **BROWN** Mat1: 14 **HARDPAN** Most Common Material:

13

Mat2:

Mat2 Desc: **BOULDERS**

Mat3:

Mat3 Desc:

Formation Top Depth: 23.0 Formation End Depth: 36.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931049337

Layer: 1 Color: RED General Color: Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 23.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961521841

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10592224

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930076274

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:
Depth To: 37.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991521841

Pump Set At:
Static Level: 8.0
Final Level After Pumping: 17.0
Recommended Pump Depth: 32.0
Pumping Rate: 45.0

Flowing Rate:

Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2

Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 10
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934910609

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 17.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934108135

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 16.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934391259Test Type:Draw DownTest Duration:30

17.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934653378 Draw Down Test Type: Test Duration: 45 Test Level: 17.0 Test Level UOM: ft

Water Details

933479548 Water ID: Layer: Kind Code: Kind: **FRESH** Water Found Depth: 37.0

Water Found Depth UOM:

Site: Database: **WWIS** lot 29 con 1 ON

1521576 Data Entry Status: Well ID:

Construction Date: Data Src: Primary Water Use: Domestic Date Received:

8/13/1987 Sec. Water Use: TRUE Selected Flag:

Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1504 Casing Material: Form Version: 1

Audit No: NA Owner: Street Name:

Tag: **Construction Method:** County: **OTTAWA**

Elevation (m): Municipality: **CUMBERLAND TOWNSHIP** Elevation Reliability: Site Info:

029 Depth to Bedrock: Lot: 01 Well Depth: Concession: Overburden/Bedrock: Concession Name: OS

Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

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

Bore Hole Information

Bore Hole ID: 10043398 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 East83: Code OB: Code OB Desc: North83: Org CS: Open Hole:

Cluster Kind: UTMRC:

Date Completed: 28-Jul-1987 00:00:00 **UTMRC Desc:** unknown UTM

Order No: 22020200296

Remarks: Location Method: na Elevrc Desc:

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

Overburden and Bedrock

Formation ID: 931048530

Materials Interval

Layer: 1

Color:

General Color:

Mat1: 02

TOPSOIL Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931048531 Formation ID:

Layer: Color: 2 General Color: **GREY** Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 1.0 Formation End Depth: 60.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931048532 Formation ID:

3 Layer: 2 Color: General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 60.0 Formation End Depth: 95.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961521576

Method Construction Code:

Method Construction: Air Percussion

Other Method Construction:

Pipe Information

Pipe ID: 10591968

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930075807 Layer:

Material: 4

Open Hole or Material: OPEN HOLE

Depth From: Depth To: 95.0

Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930075806

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To:62.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991521576

Pump Set At:

Static Level:60.0Final Level After Pumping:95.0Recommended Pump Depth:80.0Pumping Rate:15.0Flowing Rate:15.0

Recommended Pump Rate: 15.0
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: No

Draw Down & Recovery

 Pump Test Detail ID:
 934107051

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934652294

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934390733

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 60.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934909944 Recovery Test Type: Test Duration: 60 60.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933479199

Layer: Kind Code:

Kind: **FRESH** Water Found Depth: 95.0 Water Found Depth UOM: ft

Site: Database: lot 29 ON **WWIS**

Well ID: 1520503 Data Entry Status:

Construction Date: Data Src:

6/18/1986 Domestic Primary Water Use: Date Received:

Sec. Water Use: Selected Flag: TRUE Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 2351 Casing Material: Form Version: 1

Audit No: Owner: Street Name: Tag:

Construction Method: County: **OTTAWA CUMBERLAND TOWNSHIP** Elevation (m): Municipality:

Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 029 Well Depth: Concession:

Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83:

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

Bore Hole ID: 10042345 Elevation:

DP2BR: Elevrc: Spatial Status: Zone: 18 Code OB: East83:

Code OB Desc: North83: Open Hole: Org CS:

Cluster Kind: UTMRC:

11-May-1986 00:00:00 **UTMRC Desc:** unknown UTM Date Completed: Location Method: Remarks: na

Order No: 22020200296

Elevrc Desc:

Location Source Date: Improvement Location Source: Improvement Location Method:

Overburden and Bedrock **Materials Interval**

Source Revision Comment: Supplier Comment:

Bore Hole Information

Formation ID: 931044951 Layer: 1 Color: 6

General Color: **BROWN** Mat1: 14

Most Common Material: **HARDPAN**

Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931044952

 Layer:
 2

 Color:
 3

 General Color:
 BLUE

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 4.0
Formation End Depth: 245.0
Formation End Depth UOM: ft

Overburden and Bedrock

Most Common Material:

Materials Interval

 Formation ID:
 931044953

 Layer:
 3

 Color:
 8

 General Color:
 BLACK

 Mat1:
 17

SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 245.0 Formation End Depth: 260.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933109111

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 44.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961520503Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10590915

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930073890

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 44.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991520503

Pump Set At:

Static Level: 65.0 Final Level After Pumping: 185.0 Recommended Pump Depth: 240.0 Pumping Rate: 15.0 Flowing Rate: Recommended Pump Rate: 10.0 Levels UOM: ft **GPM** Rate UOM: Water State After Test Code: 2 CLOUDY

Water State After Test: CLC
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934648998

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 185.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934906078

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 185.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934111990

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 90.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934387273

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 115.0

 Test Level UOM:
 ft

Water Details

Water ID: 933477761

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

Water Found Depth: 255.0
Water Found Depth UOM: ft

<u>Site:</u>

| lot 29 con 1 | ON | Database: | WWIS | DWWIS | DWWI

Well ID: 1519982 Data Entry Status:

Construction Date: Data Src: 1

Primary Water Use: Domestic Data Received: 10/23/

Primary Water Use:DomesticDate Received:10/23/1985Sec. Water Use:Selected Flag:TRUE

Final Well Status:Water SupplyAbandonment Rec:Water Type:Contractor:1504Casing Material:Form Version:1

Audit No: Owner: Tag: Street Name:

 Construction Method:
 County:
 OTTAWA

 Elevation (m):
 Municipality:
 CUMBERLAND

Elevation (m):Municipality:CUMBERLAND TOWNSHIPElevation Reliability:Site Info:

Elevation:

Depth to Bedrock: Lot: 029

Well Depth: Concession: 01
Overburden/Bedrock: Concession Name: OF

Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Static Water Level: Northing NAD83. Flowing (Y/N): Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

Bore Hole Information

10041832

DP2BR: Elevrc:
Spatial Status: Zone: 18

Spatial Status:Zone:Code OB:East83:Code OB Desc:North83:Open Hole:Org CS:

Cluster Kind: UTMRC: 9

Date Completed: 27-Jun-1985 00:00:00 UTMRC Desc: unknown UTM

Remarks: Location Method: na Elevro Desc:

Location Source Date:
Improvement Location Source:
Improvement Location Method:

Overburden and Bedrock Materials Interval

Source Revision Comment: Supplier Comment:

Formation ID: 931043353

 Layer:
 1

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

Most Common Material: CLAY
Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Bore Hole ID:

Formation Top Depth: 0.0 Formation End Depth: 2.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931043354

 Layer:
 2

 Color:
 7

 General Color:
 RED

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 2.0
Formation End Depth: 118.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931043355

 Layer:
 3

Color: 2
General Color: GREY
Mat1: 15

Most Common Material: LIMESTONE

Mat2: 7

Mat2 Desc: FRACTURED

Mat3:

Mat3 Desc:

Formation Top Depth: 118.0 Formation End Depth: 131.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931043356

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 131.0 Formation End Depth: 145.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519982

Method Construction Code:

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10590402

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930073033

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 133.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930073034

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:

Depth To: 145.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519982

Pump Set At:

Static Level:46.0Final Level After Pumping:140.0Recommended Pump Depth:110.0Pumping Rate:100.0Flowing Rate:

Recommended Pump Rate: 100.0

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: No

Draw Down & Recovery

Pump Test Detail ID: 934904367

Test Type:

 Test Duration:
 60

 Test Level:
 46.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934654419

Test Type:

 Test Duration:
 45

 Test Level:
 46.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934110264

Test Type:

 Test Duration:
 15

 Test Level:
 46.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934376229

Test Type:

Test Duration: 30 Test Level: 46.0 Test Level UOM:

Water Details

Water ID: 933477104

Layer: Kind Code: **FRESH** Kind: Water Found Depth: 145.0 Water Found Depth UOM: ft

Site: Database: lot 29 con 1 ON **WWIS**

Well ID: 1519782

Construction Date: Primary Water Use: Domestic

Sec. Water Use:

Water Supply 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: Data Entry Status:

Data Src:

7/25/1985 Date Received: TRUE Selected Flag: Abandonment Rec:

Contractor: 1504 Form Version: 1

Owner: Street Name:

County: **OTTAWA**

Municipality: **CUMBERLAND TOWNSHIP**

18

Order No: 22020200296

Site Info:

Lot: 029 Concession: 01 Concession Name: CON

Easting NAD83: Northing NAD83: Zone: UTM Reliability:

Bore Hole Information

Bore Hole ID: 10041635

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 30-May-1985 00:00:00

Remarks:

Elevrc Desc: Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931042714 Layer: 5 2 Color: General Color: **GREY**

Elevation: Flevro:

Zone:

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Location Method: na Mat1: 15

LIMESTONE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

61.0 Formation Top Depth: Formation End Depth: 77.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931042713 Formation ID: Layer: 2 Color: **GREY** General Color: Mat1: 15

Most Common Material: LIMESTONE Mat2:

Mat2 Desc: **FRACTURED**

ft

Mat3: Mat3 Desc:

60.0 Formation Top Depth: Formation End Depth: 61.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931042710

Layer: Color: 6 General Color: **BROWN** Mat1: 02 **TOPSOIL** Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 1.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931042711 Formation ID:

Layer: 2 Color: 6 **BROWN** General Color: Mat1: 28 Most Common Material: SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 1.0 Formation End Depth: 8.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931042712

Layer:

Color: 6

General Color: **BROWN** Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 8.0 Formation End Depth: 60.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961519782 **Method Construction Code:**

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10590205

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930072704

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 77.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM:

Construction Record - Casing

930072703 Casing ID:

Layer: Material: Open Hole or Material: STEEL

Depth From:

64.0 Depth To: Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991519782

Pump Set At:

Static Level: 31.0 Final Level After Pumping: 45.0 60.0 Recommended Pump Depth: Pumping Rate: 30.0 Flowing Rate:

Recommended Pump Rate: 20.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: **CLEAR** Water State After Test: Pumping Test Method:

erisinfo.com | Environmental Risk Information Services

Pumping Duration HR: 0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

934384397 Pump Test Detail ID: Test Type: Recovery Test Duration: 30 Test Level: 31.0 ft Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934109668 Recovery Test Type: Test Duration: 15 Test Level: 31.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934654938 Test Type: Recovery Test Duration: 45 Test Level: 31.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934894722 Recovery Test Type: Test Duration: 60 31.0 Test Level: Test Level UOM: ft

Water Details

933476855 Water ID: Layer: 1 Kind Code: **FRESH** Kind: Water Found Depth: 72.0 Water Found Depth UOM: ft

Site: Database: **WWIS** lot 29 con 1 ON

Order No: 22020200296

Well ID: 1533128 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 9/25/2002 Sec. Water Use: Selected Flag: TRUE Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor:

1517 Casing Material: Form Version: 1 Audit No: 237083 Owner:

Tag: Street Name: **Construction Method:**

County: **OTTAWA CUMBERLAND TOWNSHIP** Elevation (m): Municipality:

Elevation Reliability: Site Info: 029 Depth to Bedrock: Lot:

Well Depth: Concession: 01 OF Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83:

Static Water Level: Northing NAD83: Flowing (Y/N):

Flow Rate: Clear/Cloudy: Zone:

UTM Reliability:

Bore Hole Information

10529875 Bore Hole ID:

DP2BR: Spatial Status:

Code OB:

Code OB Desc: Open Hole: Cluster Kind: Date Completed:

28-Jul-2002 00:00:00

LIMESTONE

Remarks: Elevrc Desc:

Location Source Date:

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

UTMRC Desc: Location Method:

Elevation:

18

na

unknown UTM

Order No: 22020200296

Elevrc:

East83:

North83:

Org CS:

UTMRC:

Zone:

Overburden and Bedrock

Materials Interval

Formation ID: 932880217 Layer: 2 Color:

General Color: **BROWN** Mat1: 15

Most Common Material: Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 12.0 70.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 932880216

Layer: Color: 6 **BROWN** General Color: 05 Mat1: CLAY Most Common Material: Mat2: 73 Mat2 Desc: **HARD** Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 12.0 Formation End Depth: Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933230199 Layer: Plug From: 0.0 Plug To: 22.0 Plug Depth UOM:

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961533128

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 11078445

Casing No: Comment:

Alt Name:

Construction Record - Casing

Casing ID: 930096293

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From: Depth To:

Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991533128

Pump Set At:

Static Level:15.0Final Level After Pumping:30.0Recommended Pump Depth:40.0Pumping Rate:20.0

Flowing Rate:

Flowing:

Recommended Pump Rate: 10.0 **tt**

Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0

Draw Down & Recovery

Pump Test Detail ID:934119090Test Type:Draw DownTest Duration:15

No

Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

 Pump Test Detail ID:
 934393940

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 28.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934663224Test Type:Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID:934911209Test Type:Draw Down

Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID: 934022506

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 68.0
Water Found Depth UOM: ft

<u>Site:</u> Database: WWIS WWIS

Well ID: 1531002 Data Entry Status:

Construction Date:Data Src:1Primary Water Use:DomesticDate Received:1/21/2000

Primary Water Use: Domestic Date Received: 1/21/2000
Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec:

Water Type: Contractor: 1517
Casing Material: Form Version: 1

Audit No: 191606 Owner:

Tag:Street Name:Construction Method:County:OTTAWA

Elevation (m):Municipality:CUMBERLAND TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock: Lot: 028

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Static Water Level:

Flowing (Y/N):

Northing NAD83:
Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

Bore Hole Information

Bore Hole ID: 10052536 Elevation:

 DP2BR:
 Elevro:

 Spatial Status:
 Zone:
 18

 Code OB:
 East83:

 Code OB Desc:
 North83:

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

Date Completed: 27-Oct-1999 00:00:00 UTMRC Desc: unknown UTM

Order No: 22020200296

Remarks: Location Method: na

Elevrc Desc:
Location Source Date:

Improvement Location Source:
Improvement Location Method:

Overburden and Bedrock

Source Revision Comment: Supplier Comment:

Materials Interval

Formation ID: 931077220

Layer: 6 Color: 2 General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: 26 Mat2 Desc: **ROCK**

Mat3:

Mat3 Desc:

Formation Top Depth: 106.0 Formation End Depth: 108.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931077217

Layer: Color: General Color: **GREY** Mat1: 28 Most Common Material: SAND Mat2: 05 Mat2 Desc: **CLAY**

Mat3: Mat3 Desc:

Formation Top Depth: 18.0 Formation End Depth: 38.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931077215

Layer: Color: 6 General Color: **BROWN**

Mat1: 00

Most Common Material: **UNKNOWN TYPE** Mat2:

Mat2 Desc: SANDY

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931077218 Formation ID:

Layer: Color: 3 General Color: **BLUE** Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 38.0 100.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931077216

 Layer:
 2

 Color:
 4

 General Color:
 GREEN

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 4.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931077219

 Layer:
 5

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 08

 Mat2 Desc:
 FINE SAND

Mat3:

Mat3 Desc:

Formation Top Depth: 100.0 Formation End Depth: 106.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933116179

 Layer:
 1

 Plug From:
 3.0

 Plug From:
 3.0

 Plug To:
 22.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961531002

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10601106

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930091783

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 110.0 **Casing Diameter:** 6.0

Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991531002

Pump Set At:

Static Level:15.0Final Level After Pumping:30.0Recommended Pump Depth:60.0Pumping Rate:30.0Flowing Rate:30.0

Recommended Pump Rate: 12.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

Pumping Duration HR: Cl

Pumping Duration MIN:

Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934395435

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 26.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934120579

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 25.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934664717

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 30.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934903896

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 30.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933491324

 Layer:
 1

 Kind Code:
 2

 Kind:
 SALTY

 Water Found Depth:
 106.0

 Water Found Depth UOM:
 ft

Site: Database:

lot 29 con 1 ON

Well ID: 1529160

Construction Date:

Primary Water Use: Domestic
Sec. Water Use: Commerical
Final Well Status: Water Supply

116778

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: Data Entry Status:

Data Src: 1

Date Received: 10/28/1996 Selected Flag: TRUE

Abandonment Rec:

Contractor: 1517 Form Version: 1

Owner: Street Name:

County: OTTAWA

Municipality: CUMBERLAND TOWNSHIP

Order No: 22020200296

Site Info:

 Lot:
 029

 Concession:
 01

 Concession Name:
 CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050696

DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 15-Oct-1996 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation:

Elevrc:

Zone: 18

East83: North83: Org CS: UTMRC:

UTMRC Desc: 9 unknown UTM

Location Method: na

Overburden and Bedrock

Materials Interval

Formation ID: 931071981

Layer: 2
Color: 2
General Color: GREY
Mat1: 05
Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 40.0 Formation End Depth: 88.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931071982

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: 11 Mat2 Desc: **GRAVEL**

Mat3: Mat3 Desc:

88.0 Formation Top Depth: 90.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931071983 Layer: Color: 2 General Color: **GREY** Mat1: 15

LIMESTONE Most Common Material:

Mat2: 26 ROCK Mat2 Desc: Mat3: 17 Mat3 Desc: SHALE Formation Top Depth: 90.0 Formation End Depth: 100.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931071980 Formation ID:

Layer:

Color: 6

BROWN General Color: Mat1: 05 CLAY Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

0.0 Formation Top Depth: 40.0 Formation End Depth: Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933114141 1 Layer: 3.0 Plug From: 20.0 Plug To: Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961529160 **Method Construction Code:**

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10599266

Casing No: 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930088565

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 90.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991529160

Pump Set At:

Static Level: 40.0 Final Level After Pumping: 50.0 Recommended Pump Depth: 80.0 Pumping Rate: 20.0 Flowing Rate: 12.0 Recommended Pump Rate: Levels UOM: **GPM** Rate UOM: Water State After Test Code: **CLOUDY** Water State After Test: Pumping Test Method: 2 **Pumping Duration HR:** 0 **Pumping Duration MIN:** Flowing: No

Draw Down & Recovery

 Pump Test Detail ID:
 934115036

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934908121

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934659728

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 50.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934390000

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 50.0

 Test Level UOM:
 ft

Water Details

Water ID: 933489096

Layer: 1
Kind Code: 1

Kind: FRESH
Water Found Depth: 98.0
Water Found Depth UOM: ft

<u>Site:</u>

| lot 29 con 1 | ON | Database: | WWIS | | WWIS | |

Well ID: 1528953

Construction Date:

Primary Water Use: Domestic

Sec. Water Use:
Final Well Status: Water Supply

Water Type:

Casing Material:

Audit No: 154676

Tag: Construction Method: Elevation (m):

Elevation (III).
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: 5/17/1996
Selected Flag: TRUE

Abandonment Rec:

Contractor: 6006 Form Version: 1

Owner:

Street Name:

County: OTTAWA

Municipality: CUMBERLAND TOWNSHIP

Site Info:

 Lot:
 029

 Concession:
 01

 Concession Name:
 CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050489 Eleva

DP2BR: Spatial Status: Code OB: Code OB Desc:

Code OB Desc Open Hole: Cluster Kind:

Date Completed: 23-Mar-1996 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931071287

 Layer:
 3

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 85

 Mat2 Desc:
 SOFT

Mat3: Mat3 Desc:

Formation Top Depth: 55.0 Formation End Depth: 64.0 Formation End Depth UOM: ft Elevation: Elevrc:

Zone: 18

East83: North83: Org CS: UTMRC:

UTMRC: 9
UTMRC Desc: unknown UTM

Order No: 22020200296

Location Method: na

Overburden and Bedrock

Materials Interval

931071286 Formation ID:

Layer: Color: 6

General Color: **BROWN** Mat1: 05 Most Common Material: CLAY Mat2: 28 Mat2 Desc: SAND Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: 25.0 Formation End Depth: 55.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931071289

Layer: 5 Color: 2 **GREY** General Color: Mat1: 15

LIMESTONE Most Common Material:

73 Mat2: Mat2 Desc: **HARD**

Mat3:

Mat3 Desc:

Formation Top Depth: 68.0 Formation End Depth: 70.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931071285

Layer: Color: General Color: RED 05 Mat1: Most Common Material: CLAY Mat2: 85 Mat2 Desc: SOFT

Mat3:

Mat3 Desc:

Formation Top Depth: 0.0 25.0 Formation End Depth: Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931071288

Layer: 2 Color: General Color: **GREY** Mat1: 17 Most Common Material: SHALE Mat2: **POROUS** Mat2 Desc:

Mat3:

Mat3 Desc:

Formation Top Depth: 64.0 Formation End Depth: 68.0 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 933113951 Layer: 0.0

Plug From: Plug To: 20.0 Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961528953

Method Construction Code:

Cable Tool Method Construction:

Other Method Construction:

Pipe Information

Pipe ID: 10599059

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930088226

2 Layer: Material:

OPEN HOLE Open Hole or Material:

Depth From:

Depth To: 70.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930088225

Layer: Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 68.0 Casing Diameter: 7.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991528953

Pump Set At: Static Level:

55.0 Final Level After Pumping: 55.0 Recommended Pump Depth: 66.0 Pumping Rate: 25.0 Flowing Rate:

Recommended Pump Rate: 7.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 1 Water State After Test: **CLEAR** Pumping Test Method: Pumping Duration HR: 3

0 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934907132

Test Type:

Test Duration: 60 Test Level: 55.0 Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934658607

Test Type:

45 Test Duration: Test Level: 55.0 Test Level UOM:

Draw Down & Recovery

934105806 Pump Test Detail ID:

Test Type:

Test Duration: 15 55.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934389432 Pump Test Detail ID:

Test Type:

30 Test Duration: Test Level: 55.0 Test Level UOM: ft

Water Details

Water ID: 933488849

Layer: Kind Code: 1 Kind: **FRESH** Water Found Depth: 68.0 Water Found Depth UOM:

Database: Site: **WWIS** lot 29 ON

1528847 Data Entry Status: Well ID:

Construction Date:

Data Src: 1/29/1996 Primary Water Use: **Domestic** Date Received: Sec. Water Use: Selected Flag: TRUE Final Well Status: Water Supply Abandonment Rec: Contractor: 1414

Water Type: Casing Material:

163378

Audit No:

Tag:

Construction Method: County: **OTTAWA** Elevation (m): Municipality:

CUMBERLAND TOWNSHIP Elevation Reliability: Site Info: Depth to Bedrock: Lot: 029

Well Depth: Concession: Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate:

Static Water Level: Northing NAD83: Flowing (Y/N):

Zone:

Order No: 22020200296

Form Version:

Street Name:

Owner:

Flow Rate: Clear/Cloudy: UTM Reliability:

Bore Hole Information

Bore Hole ID: 10050383

DP2BR: Spatial Status:

R: al Status:

Code OB: Code OB Desc: Open Hole:

Cluster Kind:

Date Completed: 14-Dec-1995 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931070993

 Layer:
 1

 Color:
 7

 General Color:
 RED

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 73

 Mat2 Desc:
 HARD

 Mat3:

Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 25.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931070995

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 79

 Mat2 Desc:
 PACKED

Mat3:

Mat3 Desc:

Formation Top Depth: 235.0 Formation End Depth: 252.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931070994

 Layer:
 2

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 66

 Mat2 Desc:
 DENSE

Elevation: Elevrc:

Zone: 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Location Method: na

Mat3: Mat3 Desc:

Formation Top Depth: 25.0 Formation End Depth: 235.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933113805

 Layer:
 1

 Plug From:
 5.0

 Plug To:
 40.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961528847Method Construction Code:1Method Construction:Cable ToolOther Method Construction:

Pipe Information

Alt Name:

 Pipe ID:
 10598953

 Casing No:
 1

 Comment:
 1

Construction Record - Casing

 Casing ID:
 930088060

 Layer:
 1

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 250.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Results of Well Yield Testing

Pump Test ID: 991528847
Pump Set At:

Static Level:12.0Final Level After Pumping:35.0Recommended Pump Depth:55.0Pumping Rate:15.0Flowing Rate:15.0

Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM

Water State After Test Code: Water State After Test:

Pumping Test Method:1Pumping Duration HR:1Pumping Duration MIN:0Flowing:No

Draw Down & Recovery

Pump Test Detail ID: 934658537

Test Type:

45 Test Duration: 35.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934388943 Pump Test Detail ID:

Test Type:

Test Duration: 30 Test Level: 35.0 ft Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934105737

Test Type:

Test Duration: 15 Test Level: 35.0 Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934907062

Test Type:

Test Duration: 60 Test Level: 35.0 Test Level UOM: ft

Water Details

Water ID: 933488714

Layer: Kind Code:

FRESH Kind: Water Found Depth: 250.0 Water Found Depth UOM:

Site: Database: lot 28 ON

Abandonment Rec:

1517

Order No: 22020200296

Contractor:

Owner:

Form Version:

Street Name:

UTM Reliability:

Well ID: 1528721 Data Entry Status:

Construction Date: Data Src:

9/19/1995 Primary Water Use: Commerical Date Received: Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply

Water Type:

Casing Material:

139536 Audit No:

Tag:

OTTAWA Construction Method: County: Elevation (m): Municipality:

CUMBERLAND TOWNSHIP Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 028 Well Depth: Concession:

Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

Flow Rate: Clear/Cloudy:

Bore Hole Information

Bore Hole ID: 10050257 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18

Date Completed: 30-Jan-1995 00:00:00 UTMRC: UTMRC Desc:

unknown UTM

Order No: 22020200296

Location Method:

Date Completed: 30-Jan-1995 00:00 Remarks:

Elevrc Desc: Location Source Date:

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

Overburden and Bedrock

Materials Interval

 Formation ID:
 931070584

 Layer:
 3

 Color:
 2

 General Color:
 GREY

Mat1: 17
Most Common Material: SHALE
Mat2: 26
Mat2 Desc: ROCK

Mat3: Mat3 Desc:

Formation Top Depth: 17.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

 Formation ID:
 931070583

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 14

 Mat2 Desc:
 HARDPAN

 Mat2 Desc:
 HARDPA

 Mat3:
 12

 Mat3 Desc:
 STONES

 Formation Top Depth:
 4.0

 Formation End Depth:
 17.0

 Formation End Depth UOM:
 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931070585

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 26 Mat2 Desc: ROCK

Mat3:

Mat3 Desc:

Formation Top Depth: 20.0 Formation End Depth: 61.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931070582

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 81

SANDY

Mat3:

Mat3 Desc:

Mat2 Desc:

Formation Top Depth: 0.0 Formation End Depth: 4.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933113662

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 22.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961528721
Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

 Pipe ID:
 10598827

 Casing No:
 1

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930087834

Layer: 1
Material: 1
Onen Hele or Material: STE

Open Hole or Material: STEEL

Depth From:

Depth To:22.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991528721

Pump Set At: Static Level:

Static Level:6.0Final Level After Pumping:15.0Recommended Pump Depth:40.0Pumping Rate:30.0

Flowing Rate:

Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY

2 Pumping Test Method: Pumping Duration HR: 1 Pumping Duration MIN: 0 No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934388842 Test Type: Draw Down Test Duration: 30

15.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934105216 Pump Test Detail ID: Test Type: Draw Down

Test Duration: 15 15.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934649359 Draw Down Test Type: Test Duration: 45 15.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934906541 Pump Test Detail ID: Test Type: Draw Down Test Duration: 60 Test Level: 15.0 Test Level UOM: ft

Water Details

Water ID: 933488537

Layer: Kind Code: 1 **FRESH** Kind:

Water Found Depth: 40.0 Water Found Depth UOM: ft

Site: Database: lot 29 con 1 ON **WWIS**

Contractor:

Owner: Street Name:

Form Version:

1504

OTTAWA

CUMBERLAND TOWNSHIP

Order No: 22020200296

1

1528002 Well ID: Data Entry Status:

Construction Date: Data Src:

7/28/1994 Primary Water Use: Domestic Date Received: Selected Flag: TRUE Sec. Water Use: Abandonment Rec:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 142834

Tag: **Construction Method:**

County: Elevation (m): Municipality: Elevation Reliability: Site Info:

029 Depth to Bedrock: Lot: 01 Well Depth: Concession: Overburden/Bedrock: Concession Name: OF

Easting NAD83: Pump Rate:

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Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy: Northing NAD83: Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10049544

DP2BR: Spatial Status: Code OB:

Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 28-Jun-1994 00:00:00

Date Completed: 26-Juli-1994 00.00.00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

 Formation ID:
 931068243

 Layer:
 1

Color: 5
General Color: YELLOW

Mat1: 05
Most Common Material: CLAY
Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931068246

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 69.0 Formation End Depth: 83.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931068244

 Layer:
 2

Color: 3
General Color: BLUE
Mat1: 05
Most Common Material: CLAY

Elevation:

Elevrc: 2one: 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Order No: 22020200296

Location Method: na

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 21.0 68.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931068245

Layer: Color: 6 General Color: **BROWN** Mat1: 19 SLATE Most Common Material:

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

68.0 Formation Top Depth: Formation End Depth: 69.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

933112856 Plug ID:

Layer: 1 4.0 Plug From: 20.0 Plug To: Plug Depth UOM:

Method of Construction & Well

Use

Method Construction ID: 961528002 **Method Construction Code:** 4

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Pipe ID: 10598114 Casing No:

Comment: Alt Name:

Construction Record - Casing

930086574 Casing ID:

Layer: 2 Material:

Open Hole or Material: **OPEN HOLE**

Depth From:

Depth To: 83.0 6.0 Casing Diameter: Casing Diameter UOM: inch Casing Depth UOM: ft

Construction Record - Casing

930086573 Casing ID: Layer:

 Material:
 1

 Open Hole or Material:
 STEEL

 Depth From:
 70.0

 Casing Diameter:
 6.0

 Casing Diameter UOM:
 inch

 Casing Depth UOM:
 ft

Results of Well Yield Testing

Pump Test ID: 991528002

Pump Set At:

Static Level:36.0Final Level After Pumping:82.0Recommended Pump Depth:70.0Pumping Rate:100.0

Flowing Rate:

Flowing:

Recommended Pump Rate: 100.0

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

Draw Down & Recovery

 Pump Test Detail ID:
 934656428

 Test Type:
 Recovery

 Test Duration:
 45

 Test Level:
 36.0

 Test Level UOM:
 ft

No

Draw Down & Recovery

 Pump Test Detail ID:
 934111870

 Test Type:
 Recovery

 Test Duration:
 15

 Test Level:
 36.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934386679

 Test Type:
 Recovery

 Test Duration:
 30

 Test Level:
 36.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934904799

 Test Type:
 Recovery

 Test Duration:
 60

 Test Level:
 36.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933487570

 Layer:
 2

 Kind Code:
 1

 Kind:
 FRESH

Water Found Depth: 80.0 Water Found Depth UOM:

Water Details

Water ID: 933487569 Layer: Kind Code: 1 **FRESH** Kind: 76.0

Water Found Depth: Water Found Depth UOM: ft

Database: Site: lot 28 ON **WWIS**

1526147 Data Entry Status: Well ID: Construction Date: Data Src:

5/28/1992 Primary Water Use: Domestic Date Received:

Sec. Water Use: TRUE Selected Flag: Final Well Status: Water Supply Abandonment Rec:

2351 Water Type: Contractor: Casing Material: Form Version: 1

Audit No: 095195 Owner: Street Name: Tag:

Construction Method: County: **OTTAWA** Municipality: Elevation (m):

CUMBERLAND TOWNSHIP Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 028 Well Depth: Concession:

Overburden/Bedrock: Concession Name: Pump Rate: Easting NAD83: Northing NAD83: Static Water Level:

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

Bore Hole Information

Clear/Cloudy:

Bore Hole ID: 10047880 Elevation: DP2BR: Elevrc:

Spatial Status: Zone: 18 Code OB: East83: Code OB Desc: North83: Open Hole: Org CS:

Cluster Kind: **UTMRC:**

Date Completed: 31-Mar-1992 00:00:00 UTMRC Desc: unknown UTM

Order No: 22020200296

Location Method: Remarks: na

Elevrc Desc: Location Source Date:

Overburden and Bedrock **Materials Interval**

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

931063366

Formation ID: Layer: Color: 3 General Color: **BLUE** Mat1: 05

Most Common Material: CLAY Mat2:

Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 6.0
Formation End Depth: 61.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931063367

 Layer:
 3

 Color:
 8

 General Color:
 BLACK

 Mat1:
 11

 Most Common Material:
 GRAVEL

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 61.0
Formation End Depth: 68.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931063365

Layer: 1 Color: 6

General Color: BROWN Mat1: 28
Most Common Material: SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 6.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933111547

 Layer:
 1

 Plug From:
 4.0

 Plug To:
 25.0

Plug To: 25.0 Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961526147

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10596450

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930083817

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To:68.0Casing Diameter:6.0Casing Diameter UOM:inchCasing Depth UOM:ft

Results of Well Yield Testing

Pump Test ID: 991526147

Pump Set At:

Static Level:24.0Final Level After Pumping:56.0Recommended Pump Depth:63.0Pumping Rate:11.0

Flowing Rate:

Recommended Pump Rate: 6.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 Water State After Test: CLOUDY Pumping Test Method: 2 Pumping Duration HR: 1 **Pumping Duration MIN:** 20 No Flowing:

Draw Down & Recovery

Pump Test Detail ID: 934908093

 Test Type:

 Test Duration:
 60

 Test Level:
 56.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934650895

 Test Type:

 Test Duration:
 45

 Test Level:
 56.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934106739

Test Type:

Test Duration: 15
Test Level: 43.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934390373

Test Type:

 Test Duration:
 30

 Test Level:
 52.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933485366

 Layer:
 1

 Kind Code:
 1

Kind: FRESH
Water Found Depth: 68.0
Water Found Depth UOM: ft

110376

<u>Site:</u>

| lot 29 con 1 | ON | Database: | WWIS | DWWIS | DWWI

Owner:

OTTAWA

Order No: 22020200296

Well ID: 1526101 Data Entry Status:
Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 2/10/1992
Sec. Water Use: Selected Flag: TRUE

 Sec. Water Use:
 Selected Flag:
 TRUE

 Final Well Status:
 Water Supply
 Abandonment Rec:

Water Type:Contractor:6006Casing Material:Form Version:1

Tag: Street Name: Construction Method: County:

 Elevation (m):
 Municipality:
 CUMBERLAND TOWNSHIP

 Elevation Reliability:
 Site Info:

 Depth to Bedrock:
 Lot:
 029

 Well Depth:
 Concession:
 01

 Concession:
 01

 Overburden/Bedrock:
 Concession Name:
 CON

 Pump Rate:
 Easting NAD83:

Static Water Level:

Flowing (Y/N):

Northing NAD83:
Zone:

Flow Rate: UTM Reliability: Clear/Cloudy:

Bore Hole Information

Audit No:

Bore Hole ID: 10047834 Elevation: DP2BR: Elevrc:

Spatial Status:Zone:18Code OB:East83:Code OB Desc:North83:

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

Date Completed:09-Jan-1992 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:na

Elevrc Desc:
Location Source Date:
Improvement Location Source:

Overburden and Bedrock

Materials Interval

Improvement Location Method: Source Revision Comment: Supplier Comment:

Formation ID: 931063215

 Layer:
 4

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 85

Mat2 Desc: Mat3:

Mat3 Desc: Formation Top Depth: 119.0

Formation End Depth: 122.0 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931063212

SOFT

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 11 Mat2 Desc: **GRAVEL** Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 0.0 Formation End Depth: 22.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931063213

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 85

 Mat2 Desc:
 SOFT

Mat3: Mat3 Desc:

Formation Top Depth: 22.0 Formation End Depth: 40.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931063214

 Layer:
 3

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

 Most Common Material:
 CLAY

 Mat2:
 85

 Mat2 Desc:
 SOFT

Mat3:

Mat3 Desc:

Formation Top Depth: 40.0 Formation End Depth: 119.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933111536

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961526101Method Construction Code:1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10596404

Casing No: Comment: Alt Name:

Construction Record - Casing

Casing ID: 930083724

Layer: 1
Material: 1

Open Hole or Material: STEEL
Depth From: 122.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991526101

Pump Set At:

Static Level:65.0Final Level After Pumping:75.0Recommended Pump Depth:110.0Pumping Rate:30.0

Flowing Rate:

Recommended Pump Rate: 10.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 2
Pumping Duration HR: 2

Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934650851

 Test Type:

 Test Duration:
 45

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934389908

Test Type:

 Test Duration:
 30

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934106277

Test Type:

 Test Duration:
 15

 Test Level:
 75.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934908049

Test Type:

Test Duration: 60

Test Level: 75.0 ft

Water Details

 Water ID:
 933485311

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 122.0

 Water Found Depth UOM:
 ft

Well ID: 1525587 Data Entry Status:
Construction Date: Data Src:

Primary Water Use: Domestic Date Received: 9/12/1991
Sec. Water Use: Selected Flag: TRUE

 Sec. Water Use:
 Selected Flag:
 TRUE

 Final Well Status:
 Water Supply
 Abandonment Rec:

Water Type:Contractor:1517Casing Material:Form Version:1

Audit No: 69591 Owner: Tag: Street Name:

Construction Method:County:OTTAWAElevation (m):Municipality:CUMBERLAND TOWNSHIP

Elevation Reliability:

Depth to Bedrock:

Site Info:

Lot:

028

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Static Water Level:Northing NAD83Flowing (Y/N):Zone:Flow Rate:UTM Reliability:

Bore Hole Information

Clear/Cloudy:

 Bore Hole ID:
 10047322
 Elevation:

 DP2BR:
 Elevrc:

| Spatial Status: | Zone: | 18 | Code OB: | East83: | | Code OB Desc: | North83: | Open Hole: | Org CS: | |

Cluster Kind: UTMRC: 9
Peter Completed: 23 Aug 1991 00:00:00

Date Completed:22-Aug-1991 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:na

Order No: 22020200296

Elevrc Desc:
Location Source Date:

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

Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931061701

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc: Formation Top Depth: 17.0
Formation End Depth: 21.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931061702

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: 26 Mat2 Desc: ROCK

Mat3: Mat3 Desc:

Formation Top Depth: 21.0 Formation End Depth: 230.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931061700

Layer: Color: 2 General Color: **GREY** Mat1: 14 Most Common Material: **HARDPAN** Mat2: 05 CLAY Mat2 Desc: Mat3: 12 STONES Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 17.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933111310

 Layer:
 1

 Plug From:
 3.0

 Plug To:
 44.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961525587

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10595892

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930082844

Layer: Material: STEEL

Open Hole or Material:

Depth From: Depth To: 44.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525587

Pump Set At:

Static Level: 25.0 Final Level After Pumping: 125.0 Recommended Pump Depth: 150.0 15.0 Pumping Rate:

Flowing Rate:

10.0 Recommended Pump Rate: Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 Water State After Test: CLOUDY Pumping Test Method: 2 Pumping Duration HR: 1 **Pumping Duration MIN:** 30 No Flowing:

Draw Down & Recovery

934649161 Pump Test Detail ID:

Test Type: Test Duration: 45 100.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934906341

Test Type: Test Duration: 60 Test Level: 125.0 Test Level UOM: ft

Draw Down & Recovery

934388204 Pump Test Detail ID:

Test Type:

Test Duration: 30 75.0 Test Level: Test Level UOM:

Draw Down & Recovery

934104546 Pump Test Detail ID:

Test Type:

Test Duration: 15 50.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933484624 Layer: Kind Code:

Order No: 22020200296

1

Kind: FRESH
Water Found Depth: 225.0
Water Found Depth UOM: ft

Well ID: 1525461 Data Entry Status:
Construction Date: Data Src:

Construction Date: Data Src: 1
Primary Water Use: Domestic Date Received: 6/12/1991

Sec. Water Use:
Selected Flag:
Final Well Status:
Water Supply
Abandonment Rec:

Water Type: Contractor: 6006

Casing Material: Form Version: 1
Audit No: 89569 Owner:

Tag: Street Name:
Construction Method: County: OTTAWA

Elevation (m):Municipality:CUMBERLAND TOWNSHIPElevation Reliability:Site Info:

Depth to Bedrock:Lot:028Well Depth:Concession:

Well Depth: Concession:
Overburden/Bedrock: Concession Name:
Pump Rate: Easting NAD83:
Static Water Level: Northing NAD83:

Static Water Level:

Flowing (Y/N):

Flow Rate:

Northing NAD83

Zone:

UTM Reliability:

Bore Hole Information

Clear/Cloudy:

Bore Hole ID: 10047199 Elevation: DP2BR: Elevro:

Spatial Status: Zone: 18
Code OB: East83:
Code OB Desc: North83:

 Open Hole:
 Org CS:

 Cluster Kind:
 UTMRC:
 9

Date Completed:30-Apr-1991 00:00:00UTMRC Desc:unknown UTMRemarks:Location Method:na

Elevrc Desc:
Location Source Date:
Improvement Location Source:

Overburden and Bedrock Materials Interval

Improvement Location Method: Source Revision Comment: Supplier Comment:

Formation ID: 931061221

Layer: Color: 8 **BLACK** General Color: Mat1: 17 Most Common Material: SHALE Mat2: 80 Mat2 Desc: **POROUS** Mat3: 85 Mat3 Desc: **SOFT** 42.0 Formation Top Depth: Formation End Depth: 46.0

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

Formation ID: 931061220

Order No: 22020200296

ft

 Layer:
 2

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 85

 Mat2 Desc:
 SOFT

Mat3: Mat3 Desc:

Formation Top Depth: 40.0 Formation End Depth: 42.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931061219 Formation ID: Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 28 SAND Mat2 Desc: Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: 0.0 Formation End Depth: 40.0

ft

Overburden and Bedrock

Formation End Depth UOM:

Materials Interval

 Formation ID:
 931061222

 Layer:
 4

 Color:
 8

 General Color:
 BLACK

 Mat1:
 17

 Most Common Material:
 SHALE

 Mat2:
 73

 Mat2 Desc:
 HARD

Mat3:

Mat3 Desc:

Formation Top Depth: 46.0 Formation End Depth: 48.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

 Plug ID:
 933111216

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID:961525461Method Construction Code:1Method Construction:Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10595769

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930082639

Layer: 2 Material: 4

Open Hole or Material: OPEN HOLE

Depth From:
Depth To: 48.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082638

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 46.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991525461

Pump Set At:

Static Level:7.0Final Level After Pumping:40.0Recommended Pump Depth:42.0Pumping Rate:20.0

Flowing Rate:
Recommended Pump Rate:
Levels UOM:
Rate UOM:
Water State After Test Code:

7.0
ft
GPM
4
GPM
4
1

Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934648645

Test Type:

 Test Duration:
 45

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

Pump Test Detail ID: 934387688

Test Type:

 Test Duration:
 30

 Test Level:
 40.0

 Test Level UOM:
 ft

Draw Down & Recovery

934112284 Pump Test Detail ID:

Test Type:

Test Duration: 15 40.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905825

Test Type: Test Duration: 60 Test Level: 40.0 Test Level UOM: ft

Water Details

Water ID: 933484460

Layer: Kind Code:

FRESH Kind:

Water Found Depth: 48.0 Water Found Depth UOM:

Site: Database: lot 29 con 1 ON

Well ID: 1524440

Construction Date: Primary Water Use: **Domestic**

Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 53749

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:

4/3/1990 Date Received: Selected Flag: TRUE

Abandonment Rec:

Contractor: 6006

Form Version:

Owner: Street Name:

County: **OTTAWA**

Municipality: **CUMBERLAND TOWNSHIP**

Site Info:

Lot: 029 Concession: 01 Concession Name: CON

Easting NAD83: Northing NAD83:

Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10046190

DP2BR: Spatial Status: Code OB:

Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 20-Feb-1990 00:00:00

Remarks:

Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Elevation:

Elevrc:

Zone: 18

East83: North83: Org CS:

UTMRC:

unknown UTM UTMRC Desc:

Order No: 22020200296

Location Method:

Overburden and Bedrock

Materials Interval

Formation ID: 931057927

Layer: Color: 2 General Color: **GREY** Mat1: 05 Most Common Material: CLAY Mat2: 28 Mat2 Desc: SAND Mat3: 85 SOFT Mat3 Desc: Formation Top Depth: 20.0 Formation End Depth: 106.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931057925

Layer: Color: 2 **GREY** General Color: Mat1: 05 Most Common Material: CLAY 28 Mat2: Mat2 Desc: SAND Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 0.0 Formation End Depth: 3.0 Formation End Depth UOM:

Overburden and Bedrock

Materials Interval

Formation ID: 931057926

2 Layer: Color: General Color: RED 05 Mat1: Most Common Material: CLAY Mat2: 28 Mat2 Desc: SAND Mat3: 85 Mat3 Desc: SOFT Formation Top Depth: 3.0 20.0 Formation End Depth: Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931057928

 Layer:
 4

 Color:
 4

 General Color:
 GREEN

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 85

 Mat2 Desc:
 SOFT

Mat3:

Mat3 Desc:

Formation Top Depth: 106.0 Formation End Depth: 109.0 Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID: 933110736

 Layer:
 1

 Plug From:
 0.0

 Plug To:
 20.0

 Plug Depth UOM:
 ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961524440

Method Construction Code: 1

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10594760

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930080882

Layer: 1
Material: 1
Open Hole or Material: STEEL

Depth From:

Depth To: 109.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991524440

Pump Set At:

Static Level: 45.0 Final Level After Pumping: 95.0 Recommended Pump Depth: 95.0 9.0 Pumping Rate: Flowing Rate: Recommended Pump Rate: 3.0 Levels UOM: ft GPM Rate UOM: Water State After Test Code: Water State After Test: **CLEAR** Pumping Test Method: 2 **Pumping Duration HR:** 1 **Pumping Duration MIN:** 30 Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934653599

Test Type:

 Test Duration:
 45

 Test Level:
 95.0

 Test Level UOM:
 ft

Draw Down & Recovery

934108823 Pump Test Detail ID:

Test Type:

Test Duration: 15 80.0 Test Level: Test Level UOM: ft

Draw Down & Recovery

934902400 Pump Test Detail ID:

Test Type:

Test Duration: 60 95.0 Test Level: Test Level UOM:

Draw Down & Recovery

934393051 Pump Test Detail ID:

Test Type: Test Duration: 30 95.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933483073

Layer: Kind Code:

Kind: **FRESH** Water Found Depth: 109.0 Water Found Depth UOM: ft

Site: Database: lot 28 ON **WWIS**

Order No: 22020200296

Well ID: 1523902 Data Entry Status:

Construction Date: Data Src:

Primary Water Use: Date Received: Domestic

10/12/1989 Sec. Water Use: Selected Flag: TRUE

Final Well Status: Water Supply Abandonment Rec:

1517 Water Type: Contractor: Casing Material: Form Version: 1

Audit No: 44243 Owner:

Street Name: Tag: **Construction Method:** County: **OTTAWA**

CUMBERLAND TOWNSHIP Elevation (m): Municipality: Elevation Reliability: Site Info:

Depth to Bedrock: Lot: 028

Well Depth: Concession:

Overburden/Bedrock: Concession Name: Easting NAD83: Pump Rate: Static Water Level: Northing NAD83:

Flowing (Y/N): Zone:

UTM Reliability: Flow Rate: Clear/Cloudy:

Bore Hole Information

10045674 Bore Hole ID: Elevation: DP2BR:

Elevrc: Spatial Status: Zone: 18

Code OB: East83: Code OB Desc: North83: Open Hole: Org CS:

Date Completed: 06-Sep-1989 00:00:00

UTMRC Desc:

Location Method:

unknown UTM

Order No: 22020200296

na

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931056146

 Layer:
 4

 Color:
 8

 General Color:
 BLACK

 Mat1:
 15

Most Common Material: LIMESTONE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 31.0
Formation End Depth: 45.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931056145

 Layer:
 3

 Color:
 2

 General Color:
 GREY

 Mat1:
 11

 Most Common Material:
 GRAVEL

 Mat2:
 28

 Mat2 Desc:
 SAND

Mat3: Mat3 Desc:

Formation Top Depth: 26.0 Formation End Depth: 31.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931056143

 Layer:
 1

 Color:
 7

 General Color:
 RED

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 11.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931056144

 Layer:
 2

Color: 2

General Color: **GREY** Mat1: 05 Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 11.0 Formation End Depth: 26.0 Formation End Depth UOM:

Annular Space/Abandonment

Sealing Record

Plug ID: 933110472 Layer: 2.0 Plug From: Plug To: 31.0 Plug Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961523902 **Method Construction Code:**

Method Construction: Rotary (Air)

Other Method Construction:

Pipe Information

Alt Name:

Pipe ID: 10594244

Casing No: Comment:

Construction Record - Casing

Casing ID: 930079943

Layer: Material: Open Hole or Material: STEEL

Depth From:

Depth To: 31.0 Casing Diameter: 6.0 Casing Diameter UOM: inch Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523902

Pump Set At: Static Level:

Final Level After Pumping: 35.0 Recommended Pump Depth: 35.0 50.0 Pumping Rate: Flowing Rate:

Recommended Pump Rate:

30.0 Levels UOM: Rate UOM: **GPM**

Water State After Test Code: Water State After Test: Pumping Test Method: **Pumping Duration HR:**

Pumping Duration MIN:

Flowing: No

Order No: 22020200296

1

Draw Down & Recovery

Pump Test Detail ID: 934390892

Test Type:

Test Duration: 30 Test Level: 30.0 Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934106663

Test Type:

Test Duration: 15 28.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID: 934651866

934909070

Test Type:

Test Duration: 45 35.0 Test Level: Test Level UOM:

Draw Down & Recovery

Pump Test Detail ID:

Test Type:

Test Duration: 60 35.0 Test Level: Test Level UOM: ft

Water Details

Water ID: 933482339

Layer: Kind Code: Kind: **FRESH**

Water Found Depth: 42.0 Water Found Depth UOM: ft

Site: Database: lot 28 ON

Well ID: 1523637

Construction Date:

Primary Water Use: Domestic Sec. Water Use:

Final Well Status: Water Supply

Water Type: Casing Material:

Audit No: 37628

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:

8/28/1989 Date Received: TRUE Selected Flag:

Abandonment Rec:

2351 Contractor: Form Version: 1

Owner:

Street Name:

County: **OTTAWA**

Municipality: **CUMBERLAND TOWNSHIP**

Order No: 22020200296

Site Info:

Lot: 028

Concession: Concession Name: Easting NAD83: Northing NAD83: Zone:

UTM Reliability:

Bore Hole Information

Bore Hole ID: 10045411

DP2BR:
Spatial Status:
Code OB:
Code OB Desc:

Code OB Desc: Open Hole: Cluster Kind:

Date Completed: 16-Aug-1989 00:00:00

Remarks: Elevrc Desc:

Location Source Date:

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

Supplier Comment:

Overburden and Bedrock

Materials Interval

Formation ID: 931055309

 Layer:
 5

 Color:
 3

 General Color:
 BLUE

 Mat1:
 17

 Most Common Material:
 SHALE

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 89.0 Formation End Depth: 104.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID: 931055305

 Layer:
 1

 Color:
 6

 General Color:
 BROWN

 Mat1:
 28

 Most Common Material:
 SAND

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 0.0 Formation End Depth: 9.0 Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

931055308 Formation ID: Layer: Color: 8 General Color: **BLACK** Mat1: 14 Most Common Material: **HARDPAN** Mat2: 28 Mat2 Desc: SAND Mat3: GRAVEL Mat3 Desc: Formation Top Depth: 73.0

Elevation: Elevrc:

Zone: 18

East83: North83: Org CS:

UTMRC: 9

UTMRC Desc: unknown UTM

Location Method: na

Formation End Depth: 89.0 ft

Overburden and Bedrock

Materials Interval

Formation ID: 931055306

 Layer:
 2

 Color:
 7

 General Color:
 RED

 Mat1:
 05

 Most Common Material:
 CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 9.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

 Formation ID:
 931055307

 Layer:
 3

 Color:
 3

 General Color:
 BLUE

 Mat1:
 05

Most Common Material: CLAY

Mat2: Mat2 Desc: Mat3: Mat3 Desc:

Formation Top Depth: 24.0 Formation End Depth: 73.0 Formation End Depth UOM: ft

Method of Construction & Well

<u>Use</u>

Method Construction ID: 961523637

Method Construction Code:

Method Construction: Cable Tool

Other Method Construction:

Pipe Information

Pipe ID: 10593981

Casing No:

Comment: Alt Name:

Construction Record - Casing

Casing ID: 930079453

Layer: 1
Material: 1

Open Hole or Material: STEEL

Depth From:

Depth To: 89.0

Casing Diameter: 6.0

Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991523637

Pump Set At:

Static Level:14.0Final Level After Pumping:92.0Recommended Pump Depth:100.0Pumping Rate:8.0

Flowing Rate:

Recommended Pump Rate: 5.0 Levels UOM: ft Rate UOM: **GPM** Water State After Test Code: 2 **CLOUDY** Water State After Test: Pumping Test Method: 2 **Pumping Duration HR:** 40 **Pumping Duration MIN:** No Flowing:

Draw Down & Recovery

 Pump Test Detail ID:
 934105576

 Test Type:
 Draw Down

 Test Duration:
 15

 Test Level:
 37.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934650781

 Test Type:
 Draw Down

 Test Duration:
 45

 Test Level:
 91.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934390222

 Test Type:
 Draw Down

 Test Duration:
 30

 Test Level:
 82.0

 Test Level UOM:
 ft

Draw Down & Recovery

 Pump Test Detail ID:
 934908406

 Test Type:
 Draw Down

 Test Duration:
 60

 Test Level:
 92.0

 Test Level UOM:
 ft

Water Details

 Water ID:
 933481979

 Layer:
 1

 Kind Code:
 1

 Kind:
 FRESH

 Water Found Depth:
 102.0

 Water Found Depth UOM:
 ft

Appendix: Database Descriptions

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

Abandoned Aggregate Inventory:

Provincial

AGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory:

Provincial AGR

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

Government Publication Date: Up to Nov 2021

Abandoned Mine Information System:

Provincial

AMIS

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private

ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial

AST

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private

AUWR

Order No: 22020200296

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-Sep 30, 2021

Borehole: Provincial BORE

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities: Federal CDRY

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.

Government Publication Date: Jan 2004-Dec 2019

Commercial Fuel Oil Tanks:

Provincial CFOT

Locations of commercial underground fuel oil tanks. This is not a comprehensive or complete inventory of commercial fuel tanks in the province; this listing is a copy of records of registered commercial underground fuel oil tanks obtained under Access to Public Information.

Note that the following types of tanks do not require registration: waste oil tanks in apartments, office buildings, residences, etc.; aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Chemical Manufacturers and Distributors:

Private CHEM

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

Government Publication Date: 1999-Jan 31, 2020

<u>Chemical Register:</u> Private CHM

This database includes a listing of locations of facilities within the Province or Territory that either manufacture and/or distributes chemicals.

Government Publication Date: 1999-Sep 30, 2021

Compressed Natural Gas Stations:

Private CNC

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 -Nov 2021

Inventory of Coal Gasification Plants and Coal Tar Sites:

Provincial

COAL

Order No: 22020200296

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions:

Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Jul 2021

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Dec 31, 2021

<u>Drill Hole Database:</u> Provincial DRL

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

Government Publication Date: 1886 - Sep 2020

Delisted Fuel Tanks:

Provincial DTNK

List of fuel storage tank sites that were once found in - and have since been removed from - the list of fuel storage tanks made available by the regulatory agency under Access to Public Information.

Government Publication Date: May 31, 2021

Environmental Activity and Sector Registry:

Provincial EASR

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

Government Publication Date: Oct 2011- Dec 31, 2021

Environmental Registry:

Provincial EBR

The Environmental Registry lists proposals, decisions and exceptions regarding policies, Acts, instruments, or regulations that could significantly affect the environment. Through the Registry, thirteen provincial ministries notify the public of upcoming proposals and invite their comments. For example, if a local business is requesting a permit, license, or certificate of approval to release substances into the air or water; these are notified on the registry. Data includes: Approval for discharge into the natural environment other than water (i.e. Air) - EPA s. 9, Approval for sewage works - OWRA s. 53(1), and EPA s. 27 - Approval for a waste disposal site. For information regarding Permit to Take Water (PTTW), Certificate of Property Use (CPU) and (ORD) Orders please refer to those individual databases.

Government Publication Date: 1994 - Dec 31, 2021

Environmental Compliance Approval:

Provincial FCA

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

Government Publication Date: Oct 2011- Dec 31, 2021

Environmental Effects Monitoring:

Federal

EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches:

Private EHS

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

Government Publication Date: 1999-Nov 30, 2021

Environmental Issues Inventory System:

Federal

EIIS

Order No: 22020200296

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:

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

Environmental Penalty Annual Report:

Provincial

Provincial

EPAR

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, 2020

List of Expired Fuels Safety Facilities:

Provincial

EXP

List of facilities and tanks for which there was once a fuel registration. This is not a comprehensive or complete inventory of expired tanks/tank facilities in the province; this listing is a copy of previously registered tanks and facilities obtained under Access to Public Information. Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc; includes tanks which have been removed from the ground.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2020

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land:

Federal

ECS.

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. Includes fire training sites and sites at which Per- and Polyfluoroalkyl Substances (PFAS) are a concern.

Government Publication Date: Jun 2000-Nov 2021

Fisheries & Oceans Fuel Tanks:

Federal

FOFT

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

Government Publication Date: 1964-Sep 2019

Federal Identification Registry for Storage Tank Systems (FIRSTS):

Federal

FRST

Order No: 22020200296

A list of federally regulated Storage tanks from the Federal Identification Registry for Storage Tank Systems (FIRSTS). FIRSTS is Environment and Climate Change Canada's database of storage tank systems subject to the Storage Tank for Petroleum Products and Allied Petroleum Products Regulations. The main objective of the Regulations is to prevent soil and groundwater contamination from storage tank systems located on federal and aboriginal lands. Storage tank systems that do not have a valid identification number displayed in a readily visible location on or near the storage tank system may be refused product delivery.

Government Publication Date: May 31, 2018

Fuel Storage Tank:

Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.

Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are

not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Provincial Fuel Storage Tank - Historic:

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary:

Provincial

GFN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Nov 30, 2021

Greenhouse Gas Emissions from Large Facilities:

Federal

GHG

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

Government Publication Date: 2013-Dec 2019

Provincial TSSA Historic Incidents: **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.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal

IAFT

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

Government Publication Date: 1950-Aug 2003*

Fuel Oil Spills and Leaks:

Provincial

Listing of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC). This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province; this listing in a copy of incidents reported to the SAC, obtained under Access to Public Information. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Landfill Inventory Management Ontario:

Provincial

LIMO

The Landfill Inventory Management Ontario (LIMO) database is updated every year, as the Ministry of the Environment, Conservation and Parks compiles new and updated information. Includes small and large landfills currently operating as well as those which are closed and historic. Operators of larger landfills provide landfill information for the previous operating year to the ministry for LIMO including: 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 include information such as site owner, site location and certificate of approval # and status.

Government Publication Date: Feb 28, 2019

Canadian Mine Locations:

Private

MINE

Order No: 22020200296

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

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial MNR

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

Government Publication Date: 1846-Dec 2020

National Analysis of Trends in Emergencies System (NATES):

Federal

NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. Extensive information is available within this database including company names, place where the spill occurred, date of spill, cause, reason and source of spill, damage incurred, and amount, concentration, and volume of materials released.

Government Publication Date: 1974-1994*

Non-Compliance Reports:

Provincial

NCPL

The Ministry of the Environment provides information about non-compliant discharges of contaminants to air and water that exceed legal allowable limits, from regulated industrial and municipal facilities. A reported non-compliance failure may be in regard to a Control Order, Certificate of Approval, Sectoral Regulation or specific regulation/act.

Government Publication Date: Dec 31, 2019

National Defense & Canadian Forces Fuel Tanks:

Federal

NDFT

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

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

NDSP

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

Government Publication Date: Mar 1999-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:

Federal

NEBI

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously 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-Jun 30, 2021

National Energy Board Wells:

Federal

NEBP

Order No: 22020200296

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

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal NPRI

Federal

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

Government Publication Date: 1993-May 2017

Oil and Gas Wells:

Private OGWE

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-Nov 30, 2021

Ontario Oil and Gas Wells:

Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

Government Publication Date: 1800-Jan 2021

Inventory of PCB Storage Sites:

Provincial

OPCB

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

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

Orders: Provincial ORD

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

Government Publication Date: 1994 - Dec 31, 2021

<u>Canadian Pulp and Paper:</u> Private PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal

PCFT

Order No: 22020200296

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

Government Publication Date: 1920-Jan 2005

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011- Dec 31, 2021

Provincial PINC Provincial PINC

List of pipeline incidents (strikes, leaks, spills). This is not a comprehensive or complete inventory of pipeline incidents in the province; this listing in an historical copy of records previously obtained under Access to Public Information. Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Private and Retail Fuel Storage Tanks:

Provincial

PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

Government Publication Date: 1989-1996*

Permit to Take Water:

Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Dec 31, 2021

Ontario Regulation 347 Waste Receivers Summary:

Provincial REC

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

Government Publication Date: 1986-1990, 1992-2019

Record of Site Condition:

Provincial RSC

The Record of Site Condition (RSC) is part of the Ministry of the Environment's Brownfields Environmental Site Registry. Protection from environmental cleanup orders for property owners is contingent upon documentation known as a record of site condition (RSC) being filed in the Environmental Site Registry. In order to file an RSC, the property must have been properly assessed and shown to meet the soil, sediment and groundwater standards appropriate for the use (such as residential) proposed to take place on the property. The Record of Site Condition Regulation (O. Reg. 153/04) details requirements related to site assessment and clean up.

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

Government Publication Date: 1997-Sept 2001, Oct 2004-Dec 2021

Retail Fuel Storage Tanks:

Private RST

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

Government Publication Date: 1999-Sep 30, 2021

Scott's Manufacturing Directory:

Private

SCT

Order No: 22020200296

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills:

Provincial SPL

List of spills and incidents made available the Ministry of the Environment, Conservation and Parks. 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-Sep 2020

Wastewater Discharger Registration Database:

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, 2018

Private Anderson's Storage Tanks: **TANK**

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks:

Federal **TCFT**

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Dec 2020

Variances for Abandonment of Underground Storage Tanks:

Provincial VAR

Provincial

Listing of variances granted for storage tank abandonment. This is not a comprehensive or complete inventory of tank abandonment variances in the province; this listing is a copy of tank abandonment variance records previously obtained under Access to Public Information. In Ontario, registered underground storage tanks must be removed within two years of disuse; if removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

Records are not verified for accuracy or completeness.

Government Publication Date: May 31, 2021

Waste Disposal Sites - MOE CA Inventory:

Provincial WDS

The Ontario Ministry of Environment, Waste Management Branch, maintains an inventory of known open (active or inactive) and closed disposal sites in the Province of Ontario. Active sites maintain a Certificate of Approval, are approved to receive and are receiving waste. Inactive sites maintain Certificate(s) of Approval but are not receiving waste. Closed sites are not receiving waste. The data contained within this database was compiled from the MOE's Certificate of Approval database. Locations of these sites may be cross-referenced to the Anderson database described under ERIS's Private Source Database section, by the CA number. All new Environmental Compliance Approvals handed out after Oct 31, 2011 for Waste Disposal Sites will still be found in this database.

Government Publication Date: Oct 2011- Dec 31, 2021

Waste Disposal Sites - MOE 1991 Historical Approval Inventory:

Provincial **WDSH**

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

Government Publication Date: Up to Oct 1990*

Water Well Information System:

Provincial

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.

Order No: 22020200296

WWIS

Government Publication Date: Sep 30, 2021

Definitions

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

<u>Detail Report</u>: 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.

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

<u>Direction</u>: 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.

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

Nick Sullivan, B.Sc.

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Environmental Scientist

EDUCATION

McMaster University, B.Sc. 2016 Earth & Environmental Science

Niagara College, Cert. 2017 Environmental Management & Assessment

EXPERIENCE

2018 – Present

Paterson Group Inc.

Consulting Engineers

Geotechnical and Environmental Division
Environmental Scientist

SELECT LIST OF PROJECTS

Phase I & II Environmental Site Assessments Contaminated Soil and Groundwater Field Sampling Subsurface Investigations of Soil and Rock Stratigraphy Supervision of Environmental Remediation Programs Designated Substance Surveys

Mark S. D'Arcy, P. Eng

patersongroup

Geotechnical Engineering

Environmental Engineering

Hydrogeology

Geological Engineering

Materials Testing

Building Science

Archaeological Services

POSITION

Associate and Supervisor of the Environmental Division Senior Environmental/Geotechnical Engineer

EDUCATION

Queen's University, B.A.Sc.Eng, 1991 Geotechnical / Geological Engineering

MEMBERSHIPS

Ottawa Geotechnical Group Professional Engineers of Ontario

EXPERIENCE

1991 to Present

Paterson Group Inc.

Associate and Senior Environmental/Geotechnical Engineer Environmental and Geotechnical Division Supervisor of the Environmental Division

SELECT LIST OF PROJECTS

Mary River Exploration Mine Site - Northern Baffin Island Agricultural Supply Facilities - Eastern Ontario

Laboratory Facility - Edmonton (Alberta)

Ottawa International Airport - Contaminant Migration Study - Ottawa

Richmond Road Reconstruction - Ottawa Billings Hurdman Interconnect - Ottawa Bank Street Reconstruction - Ottawa

Environmental Review - Various Laboratories across Canada - CFIA

Dwyer Hill Training Centre - Ottawa

Nortel Networks Environmental Monitoring - Carling Campus - Ottawa

Remediation Program - Block D Lands - Kingston Investigation of former landfill sites - City of Ottawa

Record of Site Condition for Railway Lands - North Bay

Commercial Properties - Guelph and Brampton Brownfields Remediation - Alcan Site - Kingston

Montreal Road Reconstruction - Ottawa

Appleford Street Residential Development - Ottawa

Remediation Program - Ottawa Train Yards

Remediation Program - Bayshore and Heron Gate

Gladstone Avenue Reconstruction - Ottawa

Somerset Avenue West Reconstruction - Ottawa