PATERSON GROUP

Phase I – Environmental Site Assessment

79 Maitland Street

Ottawa, Ontario

Prepared for: Ottawa Catholic School Board

Report: PE6909-1
February 28, 2025

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EXECUTIVE SUMMARY

Assessment

Paterson Group was retained by the Ottawa Catholic School Board to carry out a Phase I – Environmental Site Assessment (Phase I ESA) for 79 Maitland Street, in the City of Ottawa (Richmond), Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and a 250m study area (Phase I Study Area) to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was first developed in 1960 with Saint Philip Elementary School and has maintained this property use to the present day. The presence of a former heating oil UST was identified on the Phase I Property south of the boiler room. Soil in this area was excavated prior to the construction of a building addition. The excavation was limited in size by the footprint of the existing building. As a result, a limited amount of soil which exceeded the selected table 2 standards for F_2 fractions of PHCs remained under the building footprint. It is expected that these contaminants would have degraded over time. The relatively minimal exceedance is not considered to pose a potential environmental concern for the Phase I Property or effect the continued use case of the Phase I Property.

It is worth noting that these contaminants would be expected to have degraded by this time through various natural processes.

An estimated 280L of diesel fuel was spilled from an AST on the Phase I Property in 2024 as the result of a fuel filer failure. Following this incident a clean up and subsequent environmental assessment was completed. The assessment involved installing four monitoring wells around the location of the spill and testing for the presence of BTEX and F_1-F_4 fractions of PHCs. All soil and groundwater samples submitted for testing met the selected MECP Table 2 standards. As a result, this spill is not considered to pose an environmental concern for the Phase I Property.

The historical use of the surrounding lands consisted primarily of agricultural with some residential, parkland, and institutional land use. No potentially contaminating activities (PCAs) were identified with respect to the historical use of properties within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I ESA Property is currently developed with Saint Philip's Elementary School, multiple portable classrooms, an associated outbuilding, and asphalt and landscaped areas for recreation. An aboveground storage tank (AST) containing diesel fuel was identified on the Phase I

Property at the time of inspection. An environmental assessment has already been completed for the area surrounding this AST in which all selected soil and groundwater samples met the applicable site standards. As a result, no PCAs with the potential to represent an environmental concern to the Phase I Property were identified at the time of the site visit.

Neighbouring land use in the Phase I Study Area is primarily residential with some parkland and institutional use. No existing off-site PCAs were identified within the Phase I Study Area and none of the current uses of neighbouring properties within the Phase I Study Area are considered to pose a potential environmental concern to the Phase I Property.

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.**

1.0 INTRODUCTION

At the request of the Ottawa Catholic School Board, Paterson Group (Paterson) carried out a Phase I – Environmental Site Assessment (Phase I ESA) for 79 Maitland Street, in the City of Ottawa (Richmond), Ontario, (Phase I Property). The objective of this Phase I ESA has been to research the past and current use of the Phase I Property, as well as the neighbouring properties within a 250m study area (Phase I Study Area), to identify any potentially contaminating activities (PCAs) that would result in areas of potential environmental concern (APECs) on the Phase I Property.

Paterson was engaged to conduct this Phase I ESA by Mr. Scott Divell, of the Ottawa Catholic School Board, who can be reached at 613-224-4455.

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 under the supervision of a Qualified Person, in general accordance with Ontario Regulation (O. Reg.) 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022). 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 upon 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 PHASE I PROPERTY INFORMATION

Address:	79 Maitland, Ottawa (Richmond), Ontario.
Legal Description:	Part of Lot 23, Concession 3, Township of Goulbourn, in the City of Ottawa.
Location:	The Phase I Property is situated on the south corner of the intersection of Royal York Street and Maitland Street in the City of Ottawa (Village of Richmond), Ontario. Refer to Figure 1 – Key Plan, for the site location context.
Latitude and Longitude:	45° 11’ 6.8" N, 75° 50’ 10.5” W.

Site Description:

Configuration:	Rectangular.
Area:	1.41ha (approximately).
Zoning:	RI2 – Rural Institutional.
Current Use:	The Phase I Property is currently used as an elementary school.
Services:	Potable water is provided by an onsite drinking water well, while the site is connected to municipal sewers.

3.0 SCOPE OF INVESTIGATION

The scope of work for this Phase I ESA is described as follows:

- Determine the historical activities occurring on the Phase I Property and in the Phase I Study Area by conducting a review of readily available records, reports, photographs, plans, mapping information, databases, and regulatory agencies;
- Investigate the existing conditions present on the Phase I Property and in the Phase I Study Area by conducting site reconnaissance;
- Conduct interviews with persons knowledgeable of current and historic operations on the Phase I Property and, if warranted, the neighbouring properties;
- Present the results of our findings in a comprehensive report in general accordance with the requirements O. Reg. 153/04, as amended under the Environmental Protection Act, and CSA Z768-01 (reaffirmed 2022);
- Provide a preliminary environmental site evaluation based on our findings;
- Provide preliminary remediation recommendations and further investigative work if contamination is suspected or encountered.

4.0 RECORDS REVIEW

4.1 General

Phase I ESA Study Area Determination

A radius of approximately 250m was deemed appropriate for defining the study area for this assignment, herein 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 separation distances.

First Developed Use Determination

Based on a review of available historical information, the Phase I Property was first developed in 1960 with Saint Philip Elementary School (Institutional).

Fire Insurance Plans

Fire Insurance Plans (FIPs) are not available for the area of the Phase I Property.

City of Ottawa Street Directories

City of Ottawa street directories were reviewed in approximate ten-year intervals, between 1940 and 2011, for the general area of the Phase I Property. These directories contain descriptions regarding the historical land uses of properties situated within the Phase I Study Area.

The Phase I Property was first listed 2003 as Ottawa Carleton Catholic School Board and remained listed as such until 2011, the last date searchable. Directories were not available for the subject site or neighbouring properties prior to 2003.

Properties in the Phase I study area were primarily listed as residential, institutional and parkland use beginning in 2003. These land uses remained consistent until the 2011.

No potential environmental concerns were identified within the archival street directories.

Plan of Survey

A plan of survey was not provided for the Phase I Property.

Chain of Title

A chain of title was not requested for the Phase I Property as part of this assessment, since it is our opinion that no new information would be ascertained.

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 listed for the Phase I Property, or any properties situated within the Phase I Study Area.

MECP Incident Reports

A request was submitted to the MECP Freedom of Information (FOI) 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 there were no incident reports relating to the Phase I Property that pertained to activities or occurrences that pose an environmental concern to the Phase I Property.

MECP Instruments

A request was submitted to the MECP FOI 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 multiple ‘Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems’ forms have been submitted for the Phase I Property. The activities associated with these instruments are not considered to pose an environmental concern for the Phase I Property.

MECP Submissions

A request was submitted to the MECP FOI 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 Waste Management Records

A request was submitted to the MECP FOI 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.

MECP Brownfields Environmental Site Registry

A search of the MECP Brownfields Environmental Site Registry was conducted as part of this assessment. This database contains publicly available information on Records of Site Condition (RSCs) filed in the Province of Ontario between 2004 and 2025. No Records of Site Condition (RSCs) were filed for the Phase I Property or any properties in the Phase I Study Area.

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.

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 within the Phase I Study Area.

Technical Standards and Safety Authority (TSSA)

The TSSA Fuels Safety Branch in Toronto was contacted electronically on January 14, 2025, 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 within the Phase I Study Area. No records were found for the Phase I Property or neighbouring properties.

Copies of the TSSA correspondence are included in Appendix 2.

OMNRF Areas of Natural and Scientific Interest (ANSI)

A search for ANSI sites situated within the Phase I Study Area was conducted electronically via the Ontario Ministry of Natural Resources and Forestry (OMNRF) website as part of this assessment.

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 closed landfill sites situated in the City of Ottawa.

A review of this document did not identify any former landfills located 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 search returned four records for the Phase I Study Area including a cemetery at 62 Fortune Street, two records of tanneries at 82 Fowler Street and a distillery and grist mill at 122 Burke Street. Activities associated with a cemetery are not considered to have the potential to pose an environmental concern to the Phase I Property. Each of the remaining activities took place in excess of 100m away from the Phase I Property and were adjacent to the Jock River. Based on the significant separation distance and the inferred groundwater flow direction towards the Jock River, none of these activities are considered to pose a potential environmental concern for the Phase I Property.

A copy of the HLUI response has been appended to this report.

ERIS Database Report

A database report, prepared by ERIS (Environmental Risk Information Services Ltd.), dated January 10, 2025, 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.

The ERIS report identified one (1) record pertaining to the Phase I Property. This record pertains to a previous ERIS historical search and does not represent a potential environmental concern to the Phase I Property.

The ERIS report identified a total of 66 records for properties within the 250m radius of the Phase I Property.

The ERIS report identified 1 Waste Generator record for properties within 250m of the Phase I Property. This record pertains to the generation of waste oils and lubricants approximately 90m southeast of the Phase I Property at 122 Burke Street in 2022. Based on the separation distance between this activity and the Phase I Property as well as the activity's downgradient orientation with respect to the Phase I Property, this waste generation is not considered to pose a potential environmental concern to the Phase I Property.

The ERIS report identified 3 Certificate of Approval records for properties within 250m of the Phase I Property. Each of these three records pertains to approvals for modifications to municipal sewage works and as a result none of the activities associated with these records are considered to pose an environmental concern to the Phase I Property.

The ERIS report identified 1 Ontario Spill record and one TSSA Historic Incident record for a property within 250m of the Phase I Property. These records pertain to the same 2007 spill of approximately 30L of furnace oil at 136 Burke Street. This spill is described as being contained and cleaned. Based on the separation distance between this property and the Phase I Property being in excess of 100m and the cross-gradient orientation, this historical spill is not considered to pose a potential environmental concern to the Phase I Property.

The ERIS report identified 56 well records and 4 borehole records within the Phase I Study Area, which are further discussed in the MECP Water Well Records section of this report.

A copy of the ERIS report is provided in Appendix 2.

Previous Engineering Reports

The following reports were reviewed prior to conducting this assessment:

- "*Phase I Environmental Site Assessment, St. Philip Elementary School, 79 Maitland Street, Ottawa (Richmond) Ontario*", prepared by Paterson Group and dated December 5, 2012.

At the time of the original Phase I ESA, the site was occupied by the existing elementary school. The historical data researched for the property indicated that the subject site was originally developed as a school in 1960. Our previous report indicated that the neighbouring lands had historically been used for a combination of residential land use, a church and a cemetery. No significant potential environmental concerns were identified with the historical use of the subject and neighbouring properties.

The Paterson site inspection confirmed the continued institutional land use of the Phase I Property. No significant potential environmental concerns were identified during the site visit with the existing conditions of the subject or surrounding properties.

Based on our findings, Paterson did not recommend that a Phase II - Environmental Site Assessment be conducted on the Phase I Property. Paterson did recommend that the Ottawa Catholic School Board have all original paint used on the Phase I Property tested for lead content prior to disturbance.

- "*Environmental Remediation Program, St. Philip Elementary School, 79 Maitland Street, Ottawa (Richmond), Ontario*", prepared by Paterson Group and dated July 10, 2013.

In May of 2013 Paterson Group was retained by the Ottawa Catholic School Board (OCSB) to monitor a contaminated soils remediation program at 79 Maitland Street, Richmond Ontario. Petroleum hydrocarbon impacted soils were first observed during the footings excavations for an addition to St. Philip Elementary School. The cause of the soil impacts was attributed to the former presence of an underground fuel storage tank (UST) which had been previously removed.

The remediation program consisted of excavating approximately 50.89 metric tonnes of contaminated soil and perched groundwater from around the location of the former UST. The concrete pad that the former tank had been affixed to was left in place. The extent of the excavation was limited to the north and east by the existing school structure. Confirmatory soil sampling was completed and submitted for laboratory analysis. These results demonstrated that the soils remaining following the remediation program were all in compliance with the selected MECP Table 2 standards with the exception of the soils remaining on the north side of the excavation.

Soils on the north side of the excavation marginally exceeded Table 2 standards for the F_2 fraction of Petroleum Hydrocarbons. The selected site standard is 98ug/g for this parameter and the sample taken from the north side of the excavation returned a result of 155ug/g. Despite this, further excavation of impacted soils was not possible without risking undermining the existing buildings footings. Given that the volume of remnant impacted soils was considered to be limited and that the exceedance was marginal, this impacted soil is not considered to have an adverse effect on the current use of the subject site. No further remedial work was recommended. It is worth noting that these contaminants would be expected to have degraded by this time through various natural processes.

- "*Asbestos Building Survey Report, St. Philip Catholic School, 79 Maitland Street, Richmond, ON*", prepared by CM3 Environmental and dated December 2017.

CM3 Environmental was retained by the OCSB in 2017 to complete an asbestos building survey report for 79 Maitland Street, Richmond Ontario. Building materials were sampled from throughout the 1960, 1965, and 1970 aged sections of the subject structure. A total of eleven samples were found to contain asbestos including all exterior white caulking and interior grey caulking in the 1970 phase of

construction and all interior white caulking in the 1965 phase of construction. Other materials identified to contain asbestos include plaster, ceiling tiles and parging cement pipe elbows.

- ❑ "Underground Storage Tank Assessment, St. Philip School - *79 Maitland Street, Richmond, ON*", prepared by CM3 Environmental and dated April 29, 2024.

CM3 Environmental was retained by the OCSB in April of 2024 to investigate the likelihood of the presence of a former underground fuel storage tank (UST) on the Phase I Property. This assessment was completed for due diligence purposes. Based on mechanical drawings and blueprints provided by the OCSB, CM3 identified the presence of a UST south of the boiler room concurrent with the original phase of construction of the school. The drawings indicate that the boiler system was changed in 1965, coincident with the first expansion of the school. These drawings indicate the replacement of oil lines which are shown exiting the boiler room to the west into what is now room 124. The terminal end of the oil lines is not depicted. CM3 presumed that a new UST was installed to the north of the boiler room.

CM3 carried out a site visit to inspect the site for signs of USTs. CM3 identified various abandoned fasteners on the north building façade which they attributed to a former fill and vent pipe for the presumed UST north of the boiler room.

Following our review of this assessment and the evidence provided it is our opinion that there is insufficient evidence to suggest the presence of a second UST north of the boiler room. The assessment by CM3 indicates the construction age of St. Philip School as 1946. This is contradicted by aerial imagery, community records, and previous reports by CM3 which identify the construction date as 1960. CM3 also indicate that the school converted to natural gas powered heating 1991. This is contradicted by a November 1991 boiler room plan provided by the OCSB which references natural gas usage already in effect. Based on the incorrect dates utilized by CM3, St. Philip School would have been heated by oil fueled boilers for approximately 45 years. This would greatly exceed the expected lifetime of an underground storage tank and may have added undue justification to the presence of a second UST. However, based on the known construction date of St. Philip School (1960) and the expected conversion to natural gas based on the statements of the Manager of Maintenance and Operations for the OCSB (1970s to 1980s) St. Philip would have been heated via oil between 10 and 30 years. Based on these ages and the expected lifecycle of a UST it is likely that St. Philip School was only

heated by one fuel storage tank, the aforementioned UST south of the boiler room, before the system was replaced in favour of natural gas.

Currently St. Philip School is serviced by water from a 2001 groundwater well which was installed in close proximity to CM3s purported northern UST location. The associated water well record, No.1531857, lists the overburden and bedrock material encountered here as approximately 4.5m of clay and stone followed by 18m of limestone. This well record provides no indication of the presence or effects of a UST, an associated concrete pad, or associated fill material.

CM3s identified the area north of the boiler room as the location of the presumed second UST. This presumption is primarily attributed to the presence of fastener holes on the northern building façade which they attribute to former fill and vent pipes. The fastener holes identified by CM3 were observed by Paterson to extend from approximately 0.5m above ground surface to approximately 3.0m above ground surface. This is inconsistent with the typical installation height expected for fill and vent pipes.

For the reasons described above we do not consider there to be sufficient evidence to suggest that a UST was ever present north of the boiler room.

- "*Diesel Spill Environmental Assessment, St. Philip School, 79 Maitland Street, Richmond, Ontario*", prepared by CM3 Environmental and dated January 17, 2025.

Following a spill incident on August 27th, 2024, at 79 Maitland Street, CM3 Environmental (CM3) was retained by the Ottawa Catholic School Board to provide environmental consulting services. The estimated 280L diesel fuel spill originated from an aboveground fuel storage tank located in the fire suppression system outbuilding and was released to the building floor and fire suppression water reservoir. The spill was considered to be the result of a failure in the fuel filter/filter housing of the associated diesel-powered generator pump. A third-party contractor was retained to complete the initial cleanup of contaminated materials and soil. The total volume of contaminated soil removed was not identified.

Under the direction of CM3 four boreholes were drilled surrounding the point of contamination. Soil samples from each borehole were retained for laboratory analysis. Each borehole was completed with a monitoring well which was sampled in November of 2024 and January of 2025. A contaminated water reservoir for fire suppression was also drained, cleaned, and its new contents were sampled for

laboratory analysis. Finally, the onsite domestic well was sampled for laboratory analysis.

It was determined that no contamination was detected in the post-cleaning water reservoir and all soil samples submitted for laboratory analysis met the selected MECP Table 2 standards. Additionally, all groundwater samples retrieved from monitoring wells met the selected MECP Table 2 Standards.

Initially, the sample originating from the domestic water supply to St. Philip School exceeded the MECP Table 2 Standards. However, this exceedance was attributed to a false positive. The water supply was re-sampled and the subsequent sample was determined to meet the selected MECP Table 2 standards.

4.3 Physical Setting Sources

Historical aerial photographs of the Phase I Study Area were obtained from the National Air Photo Library, City of Ottawa (geoOttawa), Google Earth, 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:

1950 (National Air Photo Library) The Phase I Property consists of vacant agricultural land. The surrounding properties are largely vacant or used for agricultural purposes. St. Philip's Parish can be seen south of the Phase I Property. Fortune Street, Royal York Street, and Maitland Street can all be seen in their modern-day orientations in this photo. The Jock River can also be seen east of the Phase I Property.

1959 (National Air Photo Library) No significant changes are apparent with respect to the Phase I Property or the surrounding properties in the Phase I Study Area.

1976 (geoOttawa) St. Philip Elementary School has been constructed on the Phase I Property since the previous photograph. An associated asphalt parking lot and asphalt play area have also been constructed. Residential dwellings have been constructed east of the Phase I Property since the previous photograph. A cemetery can be seen north of the Phase I Property. No other significant changes are apparent with respect to the neighbouring properties in the Phase I Study Area.

1991 (geoOttawa) No significant changes are apparent with respect to the Phase I Property. Additional residential dwellings can be seen constructed to the south of the Phase I Property beyond Saint Philip's Parish, as well as to the north and southwest of the Phase I Property. A playground can be observed southeast of the Phase I Property.

2002 (geoOttawa) An outbuilding has been constructed on the Phase I Property south of the school. A baseball diamond has been constructed on the western portion of the Phase I Property. Additional residential dwellings have been constructed west and south of the Phase I Property. An addition has been constructed onto Saint Philip's Parish, south of the Phase I Property.

2011 (geoOttawa) The outbuilding previously identified on the Phase I Property has been removed since the previous photograph. No other significant changes are apparent with respect to the Phase I Property or neighbouring properties in the Phase I Study Area.

2019 (geoOttawa) An addition has been constructed on the south side of the elementary school since the previous photograph. The roof of the elementary school has also been refinished. Six portable classrooms have been added to the west side of the Phase I Property. An outbuilding has been constructed on the south side of the Phase I Property. No significant changes are apparent with respect to the neighbouring properties in the Phase I Study Area.

2024 (Google Earth) No significant changes are apparent with respect to the Phase I Property or neighbouring properties in the Phase I Study Area.

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

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 dolomite of the Oxford Formation. Overburden soils consist of offshore marine sediments (silt and clay) and silty sands. The drift thickness on the site is expected to range between 3 and 5m.

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 the Jock River, located approximately 180m to the east of the Phase I Property.

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 90m above sea level, while the regional topography within the greater area is depicted as sloping downwards to the east in the direction of the Jock 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 150m above sea level.

MECP Water Well Records

A search of the MECPs website for all drilled well records within a 250m radius of the Phase I Property was conducted as part of this assessment. The search identified 2 well records on the Phase I Property and a further 73 well records within the Phase I Study Area.

These records pertain to wells installed between 1951 and 2021 predominantly for domestic use, with some constructed for groundwater observation purposes and some records for well abandonments. The Phase I Study Area is not within an area serviced by municipal water. As a result, drinking water wells are expected to remain in use within the Phase I Study Area.

The well record on the Phase I Property identifies sand and boulders to a depth of 7m, followed by limestone. Other records within the Phase I Study Area identify 3-10m of clay with occasional boulders, underlain by a limestone bedrock, which was generally encountered at an average depth of approximately 5m below ground surface.

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

5.0 INTERVIEWS

Property Owner

Mr. Paul Proulx, the Manager of Maintenance and Operations for the Ottawa Catholic School Board, was contacted by phone to respond to questions about the environmental history of the Phase I Property. Mr. Proulx has worked for the OCSB for thirty years and has held his current role since 2019. Mr. Proulx stated that St. Philip School was previously heated using oil but that the school transitioned to using natural gas sometime in the 1970s or 1980s. He further communicated that all portables are heated via electric powered furnaces. Mr. Proulx was not aware of any fill material ever being imported to that Phase I Property. Furthermore, he stated that he is not aware of any spills, contamination, or remediation on the Phase I Property, or neighbouring properties, other than those discussed elsewhere in this report.

6.0 SITE RECONNAISSANCE

6.1 General Requirements

A site inspection was conducted for the Phase I Property on January 15, 2025, between 4:00PM and 5:00PM. Weather conditions were cloudy, with a temperature of approximately -7°C. Mr. Jesse Andrechek, P.Eng, from the Environmental Department of Paterson Group, conducted the inspection.

In addition to the Phase I Property, the uses of neighbouring properties within the Phase I Study Area were also assessed at the time of the site inspection. It should be noted that the Phase I Property and surrounding properties were covered in snow at the time of inspection.

6.2 Specific Observations at the Phase I Property

Site Description

The Phase I Property is currently occupied by a single storey elementary school, storage shed, multiple portable classrooms and an outbuilding housing the schools' fire suppression system. The remainder of the property predominantly consists of an asphalt parking lot, a paved recreational yard and landscaped areas.

The site topography is relatively flat. The regional topography appears to gradually slope down towards the northeast in the general direction of the Jock River. The Phase I Property is considered to be at grade with respect to the neighbouring streets.

Water drainage on the Phase I Property occurs via both infiltration in landscaped areas and sheeting over impermeable surfaces to roadside ditches or catch basins.

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 PE6909-1 – Site Plan, in the Figures section of this report.

Buildings and Structures

At the time of the site inspection, the Phase I Property was occupied by a single storey elementary school, multiple portable classrooms, and an outbuilding housing the schools fire suppression system.

Elementary School

A large single storey elementary school was observed onsite at the time of inspection. This building had a concrete foundation and was clad with brick. The roof was of modified bitumen construction. Heating for the school was provided by a natural gas fueled boiler.

Portable Classrooms

Approximately 10 portable classrooms were observed west of the school building at the time of inspection. Each portable classroom was clad with sheet metal siding and heated via an electrically powered furnace.

Outbuilding

A small outbuilding was observed on site at the time of inspection. This outbuilding was clad with sheet metal and housed part of the fire suppression system for the school.

Potential Environmental Concerns

❑ Fuels and Chemical Storage

At the time of the site inspection a diesel filled aboveground storage tank (AST) was observed within the outbuilding located south of the school. The AST had a maximum capacity of 450 litres. Fill and vent pipes for the AST were observed on the exterior of the north side of the outbuilding. This AST is connected to a diesel generator that powers the schools fire suppression system. No other evidence of ASTs or evidence indicating the presence of underground fuel storage tanks (USTs) was observed on the exterior of 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 exterior of the Phase I Property.

❑ Polychlorinated Biphenyls (PCBs) and Transformer Oil

At the time of the site inspection, pole mounted transformers were observed on the Phase I Property. These were observed to be in good condition with no observable damage or staining in their vicinity. No other potential sources of PCBs or transformer oil were identified on the exterior of the Phase I Property.

❑ Waste Management

At the time of the site inspection, regular non-toxic waste was being generated on the Phase I Property as a result of regular elementary school operations. Waste was stored within dumpsters in a dedicated area on the north side of the subject site and was picked up regularly by a third-party contractor. No environmental concerns were identified with regard to waste management procedures.

- **Current or Former Rail or Spur Lines**

  No evidence of existing or former rail or spur lines was observed within the Phase I Study Area at the time of the site visit.

Interior Assessment

A general description of the interior of the structures is as follows:

- The floors consisted of linoleum, carpet, and terrazzo;
- The walls consisted of a combination of drywall, concrete block and ceramic tiles;
- The ceilings consisted primarily of suspended ceiling tiles;
- Light was provided by a combination of fluorescent, incandescent and LED fixtures.

Heating for the Saint Philip's Elementary School is provided via a natural gas fueled boiler. Heating for the portable classrooms is provided by electric furnaces.

Potentially Hazardous Building Products

- **Asbestos-Containing Materials (ACMs)**

  Based on the age of the subject building and its additions (1960, 1965, 1970) and the review of the 2017 Asbestos Building Survey Report prepared by CM3, ACMs are present within the subject structure. In general, the ACMs were found to be in good condition with the exception of ceiling plaster in the furnace room. Refer to the Asbestos Survey by CM3 for a complete list of ACMs.

- **Lead-Based Paints**

  Based on the age of the subject building and its additions (1960, 1965, 1970) lead based paint may be present within the structure.

- **Polychlorinated Biphenyls (PCBs) and Transformer Oil**

  Fluorescent light ballasts installed before 1980 may contain PCBs. It is likely that ballasts have now been replaced with PCB-free ballasts. A dry-type transformer was observed inside the subject building at the time of inspection. No other potential sources of PCBs were identified inside the subject buildings at the time of the site inspection.

❑ **Urea Formaldehyde Foam Insulation (UFFI)**

UFFI was not observed at the time of the site inspection. However, not all areas were inspected and UFFI may be present within wall cavities.

Other Potential Environmental Concerns

❑ **Interior Fuel and Chemical Storage**

No vent and fill pipes, aboveground fuel storage tanks, or evidence indicating the presence of any underground fuel storage tanks were observed within the subject buildings at the time of the site inspection.

Chemical products identified in the subject buildings were observed to be limited to commercially available cleaning products stored in their original containers which do not pose a risk to the Phase I Property.

❑ **Ozone Depleting Substances (ODSs)**

Ozone depleting substances observed at the time of inspection included fire extinguishers, refrigerators and air conditioners.

❑ **Wastewater Discharges**

No sump pits or floor drains were observed in the subject buildings at the time of the site inspection.

Wastewater generated from the subject building is discharged to the City of Ottawa sanitary sewer system. Roof drainage is discharged via surface run-off and infiltration. No concerns were identified with respect to wastewater discharge on the subject site.

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: Royal York Street followed by a Cemetery and residential dwellings;

East: Maitland Street followed by residential dwellings;

South: A church and vacant landscaped area followed by residential dwellings, Burke Street, and additional residential dwellings;

West: Fortune Street followed by residential dwellings.

Surrounding land use is shown on Drawing PE6909-2 – Surrounding Land Use Plan (SLUP). There are no PCAs considered to result in APECs on the Phase I Property.

7.0 REVIEW AND EVALUATION OF INFORMATION

7.1 Land Use History

The Phase I Property was vacant, undeveloped land, used for agricultural purposes until it was developed for institutional purposes with an elementary school. Adjacent and neighbouring properties were historically primarily used for agricultural purposes with some residential dwellings and community uses.

Based on a review of available historical information, the land use history of the Phase I Property is summarized below in Table 1.

Table 1: Land Use History
79 Maitland Street, Ottawa (Richmond), Ontario

Time Period	Land Use	Description	Observations
Prior to 1960	Agricultural or Other Use	Agricultural land	Aerial photographs from the 1950's confirm that the Phase I Property was used for agricultural purposes or unused during this time period.
1960 - Present	Institutional Use	Elementary School	Aerial photographs from the 1970's – 2020's confirm that the Phase I Property was used for institutional purposes during this time period.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

Based on the findings of the Phase I ESA, no potentially contaminating activities (PCA) were identified on the Phase I Property or within the Phase I Study Area

Site features and surrounding land use can be seen on Drawing PE6909-1 – Site Plan and Drawing PE6909-2 – Surrounding Land Use, respectively.

7.2 Conceptual Site Model

Geological and Hydrogeological Setting

Based on information from the Geological Survey of Canada and the available mapping information, the bedrock beneath the Phase I Property generally consists of dolomite of the Oxford Formation. Overburden soils consist of offshore marine sediments (silt and clay) and silty sands. The drift thickness on the site is expected to range between 3 and 5m. Hydrogeological conditions are considered to mimic the topographic setting; as a result, groundwater is expected to flow east in the direction of the Jock River.

Fill Placement

Based on the historical review of aerial photographs and the interview with the Ottawa Catholic School Board representative, fill material is not expected to have been placed on the Phase I Property, aside from engineered fill related to building construction and pavement areas.

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 the Jock River, located approximately 180m to the east.

Drinking Water Wells

The Phase I Property is located in an area that is not municipally serviced with water. As such, drinking water wells are known to remain in use within the Phase I Study Area and on the Phase I Property.

Existing Buildings and Structures

The Phase I Property is currently occupied by an elementary school building, associated portable classrooms and a small outbuilding.

Subsurface Structures and Utilities

Underground services on the Phase I Property include natural gas, electrical, communication and water and sanitary services.

Neighbouring Land Use

The surrounding lands within the Phase I Study Area consist of a mix of residential, institutional, and parkland use properties. Current land use is depicted on Drawing PE6909-2 – Surrounding Land Use Plan, in the Figures section of this report.

Potentially Contaminating Activities and Areas of Potential Environmental Concern

No potentially contaminating activities were identified on the Phase I Property. No PCAs were identified with respect to off-site properties situated within the Phase I Study Area. As a result, there are no areas of potential environmental concern (APECs).

Contaminants of Potential Concern (CPCs)

There are no contaminants of potential concern associated with the Phase I Property since there are no APEC's.

Current and Future Property Use

The Phase I Property is currently used as an elementary school.

It is our understanding that there are no current plans to change the use of the Phase I Property although an addition onto the school is proposed. Since the land use will not change, a record of site condition (RSC) will not be required to be filed with the MECP.

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 no PCAs have resulted in an APEC on the Phase I Property.

This 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

8.1 Assessment

Paterson Group was retained by the Ottawa Catholic School Board to carry out a Phase I – Environmental Site Assessment (Phase I ESA) for 79 Maitland Street, in the City of Ottawa (Richmond), Ontario. The objective of this Phase I ESA was to research the past and current use of the site (Phase I Property) and a 250m study area (Phase I Study Area) to identify any environmental concerns with the potential to have impacted the subject property.

According to the historical research, the Phase I Property was first developed in 1960 with Saint Philip Elementary School and has maintained this property use to the present day. The presence of a former heating oil UST was identified on the Phase I Property south of the boiler room. Soil in this area was excavated prior to the construction of a building addition. The excavation was limited in size by the footprint of the existing building. As a result, a limited amount of soil which exceeded the selected table 2 standards for F_2 fractions of PHCs remained under the building footprint. It is expected that these contaminants would have degraded over time. The relatively minimal exceedance is not considered to pose a potential environmental concern for the Phase I Property or effect the continued use case of the Phase I Property.

It is worth noting that these contaminants would be expected to have degraded by this time through various natural processes.

An estimated 280L of diesel fuel was spilled from an AST on the Phase I Property in 2024 as the result of a fuel filer failure. Following this incident a clean up and subsequent environmental assessment was completed. The assessment involved installing four monitoring wells around the location of the spill and testing for the presence of BTEX and F_1-F_4 fractions of PHCs. All soil and groundwater samples submitted for testing met the selected MECP Table 2 standards. As a result, this spill is not considered to pose an environmental concern for the Phase I Property.

The historical use of the surrounding lands consisted primarily of agricultural with some residential, parkland, and institutional land use. No potentially contaminating activities (PCAs) were identified with respect to the historical use of properties within the Phase I Study Area.

Following the historical research, a site visit was conducted. The Phase I ESA Property is currently developed with Saint Philip's Elementary School, multiple

portable classrooms, an associated outbuilding, and asphalt and landscaped areas for recreation. An aboveground storage tank (AST) containing diesel fuel was identified on the Phase I Property at the time of inspection. An environmental assessment has already been completed for the area surrounding this AST in which all selected soil and groundwater samples met the applicable site standards. As a result, no PCAs with the potential to represent an environmental concern to the Phase I Property were identified at the time of the site visit.

Neighbouring land use in the Phase I Study Area is primarily residential with some parkland and institutional use. No existing off-site PCAs were identified within the Phase I Study Area and none of the current uses of neighbouring properties within the Phase I Study Area are considered to pose a potential environmental concern to the Phase I Property.

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.**

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 meets the requirements of CSA Z768-01 (reaffirmed 2022). 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 the Ottawa Catholic School Board. Permission and notification from the Ottawa Catholic School Board and Paterson Group will be required prior to the release of this report to any other party.

Paterson Group Inc.

Mark Bujaki, B.Sc., MBA



Mark D'Arcy, P.Eng., QP$_{ESA}$

Report Distribution:

- ❑ Ottawa Catholic School Board
- ❑ 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.
- ❒ MECP: Ontario PCB Waste Storage Site Inventory, 1995.
- ❒ 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: GeoOttawa
- ❒ 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.
- ❒ Previous Engineering Reports.

Public Information Sources

- ❒ ERIS Database Report.
- ❒ Google Earth.
- ❒ Google Maps/Street View.

FIGURES

FIGURE 1 – KEY PLAN

FIGURE 2 – TOPOGRAPHIC MAP

DRAWING PE6909-1 – SITE PLAN

DRAWING PE6909-2 – SURROUNDING LAND USE PLAN

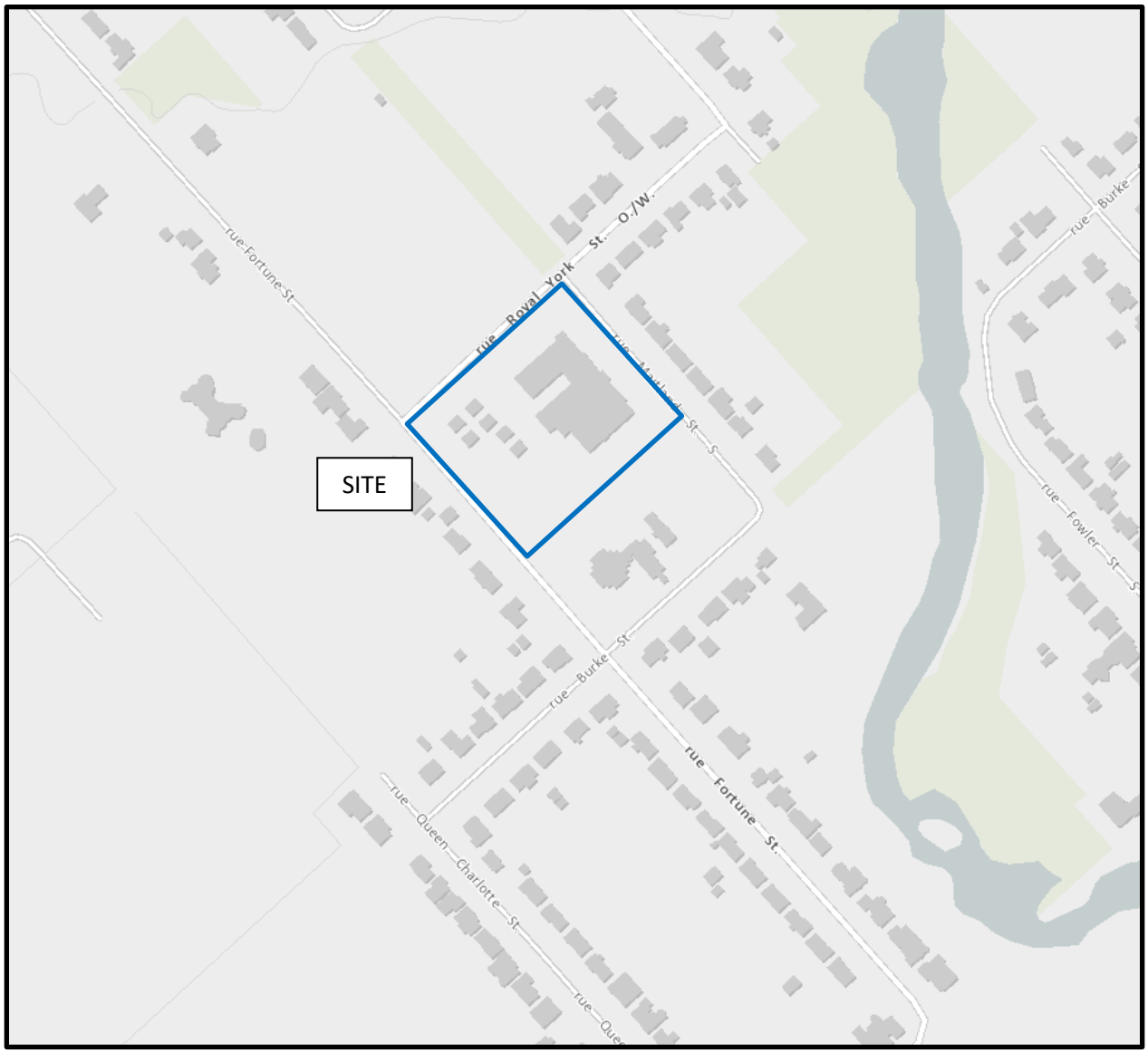


FIGURE 1

KEY PLAN

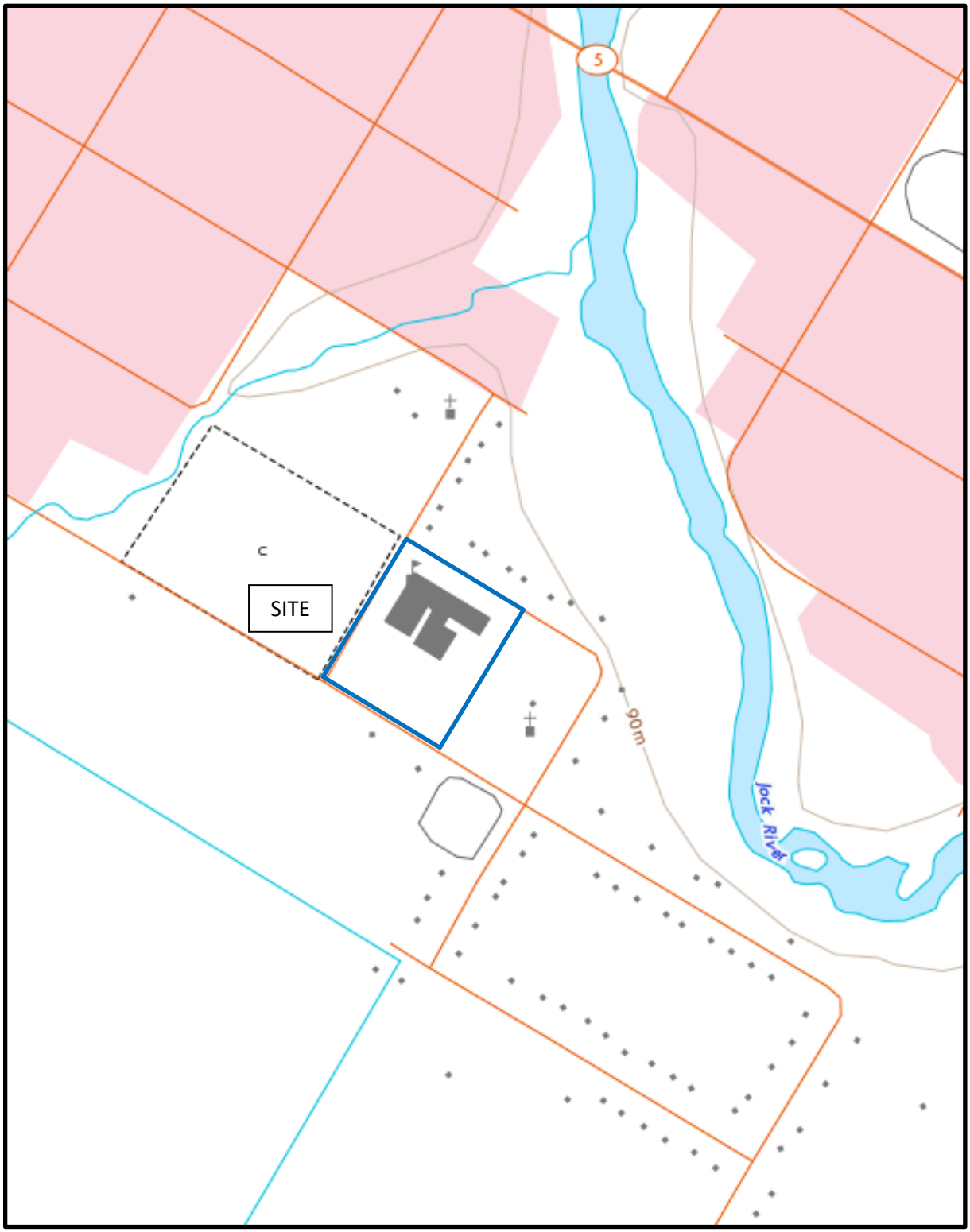


FIGURE 2

TOPOGRAPHIC MAP

67 FORTUNE STREET
RESIDENTIAL

68 FORTUNE STREET
CEMETERY

119 ROYAL YORK
STREET
RESIDENTIAL

SIDEWALK

ROYAL YORK STREET

ACCESS ROAD

SIDEWALK

GRASSED

FENCE

WASTE RECEPTACLE
STORAGE AREA

SITTING
AREA

GRASSED

WALKWAY

WALKWAY

71 FORTUNE STREET
RESIDENTIAL

PORTABLES

PORTABLES

PORTABLES

PORTABLES

PORTABLES

NATURAL GAS
GENERATOR
ENCLOSURE

ASPHALTIC CONCRETE
PARKING LOT

GRASSED

73 FORTUNE STREET
RESIDENTIAL

STREET

SIDEWALK

120 ROYAL YORK
STREET
RESIDENTIAL

76 MAITLAND STREET
RESIDENTIAL

77 FORTUNE STREET
RESIDENTIAL

GRASSED

79 MAITLAND STREET
INSTITUTIONAL
(OTTAWA CATHOLIC SCHOOL BOARD)

SIDEWALK

SIDEWALK

78 MAITLAND STREET
RESIDENTIAL

77A FORTUNE STREET
RESIDENTIAL

FORTUNE

MAITLAND

ASPHALTIC CONCRETE
PARKING LOT

80 MAITLAND STREET
RESIDENTIAL

FIRE-SUPPRESSION SYSTEM
WITH ABOVEGROUND DIESEL
FUEL STORAGE TANK

MW2

MW1

MW3

MW4

ASPHALTIC CONCRETE
PARKING LOT

79 FORTUNE STREET
RESIDENTIAL

127 BURKE STREET
INSTITUTIONAL
(ST. PHILIP PARISH)

LEGEND:

PHASE I PROPERTY BOUNDARY

BOREHOLE WITH MONITORING WELL
LOCATION BY OTHERS
(CM3 ENVIRONMENTAL, OCTOBER 11, 2024)

SCALE: 1:750

0 10 20 30 50m

PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

OTTAWA CATHOLIC SCHOOL BOARD

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
79 MAITLAND STREET

OTTAWA, ONTARIO

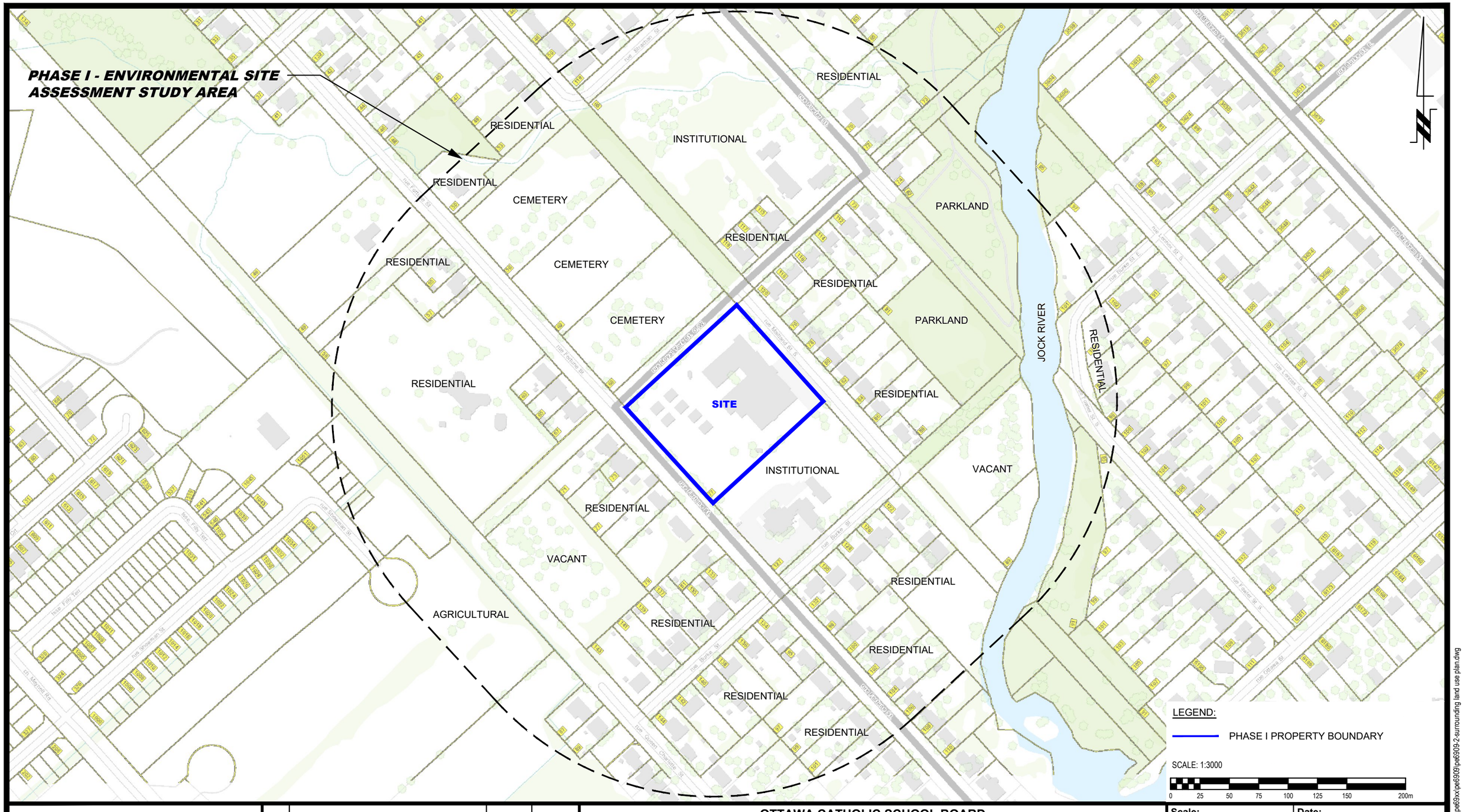
Title:

SITE PLAN

Scale: 1:750	Date: 03/2025
Drawn by: YA	Report No.: PE6909-1
Checked by: MSWB	Dwg. No.: PE6909-1
Approved by: MSD	Revision No.:

11x17

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PATERSON GROUP
9 AURIGA DRIVE
OTTAWA, ON
K2E 7T9
TEL: (613) 226-7381

NO.	REVISIONS	DATE	INITIAL

OTTAWA CATHOLIC SCHOOL BOARD

PHASE I - ENVIRONMENTAL SITE ASSESSMENT
79 MAITLAND STREET

OTTAWA, **ONTARIO**

Title:

SURROUNDING LAND USE PLAN

Scale: 1:3000	**Date:** 03/2025
Drawn by: YA	**Report No.:** PE6909-1
Checked by: MSWB	**Dwg. No.:** PE6909-2
Approved by: MSD	**Revision No.:**

11x17

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APPENDIX 1

AERIAL PHOTOGRAPHS

SITE PHOTOGRAPHS



AERIAL PHOTOGRAPH
1950

PATERSON GROUP



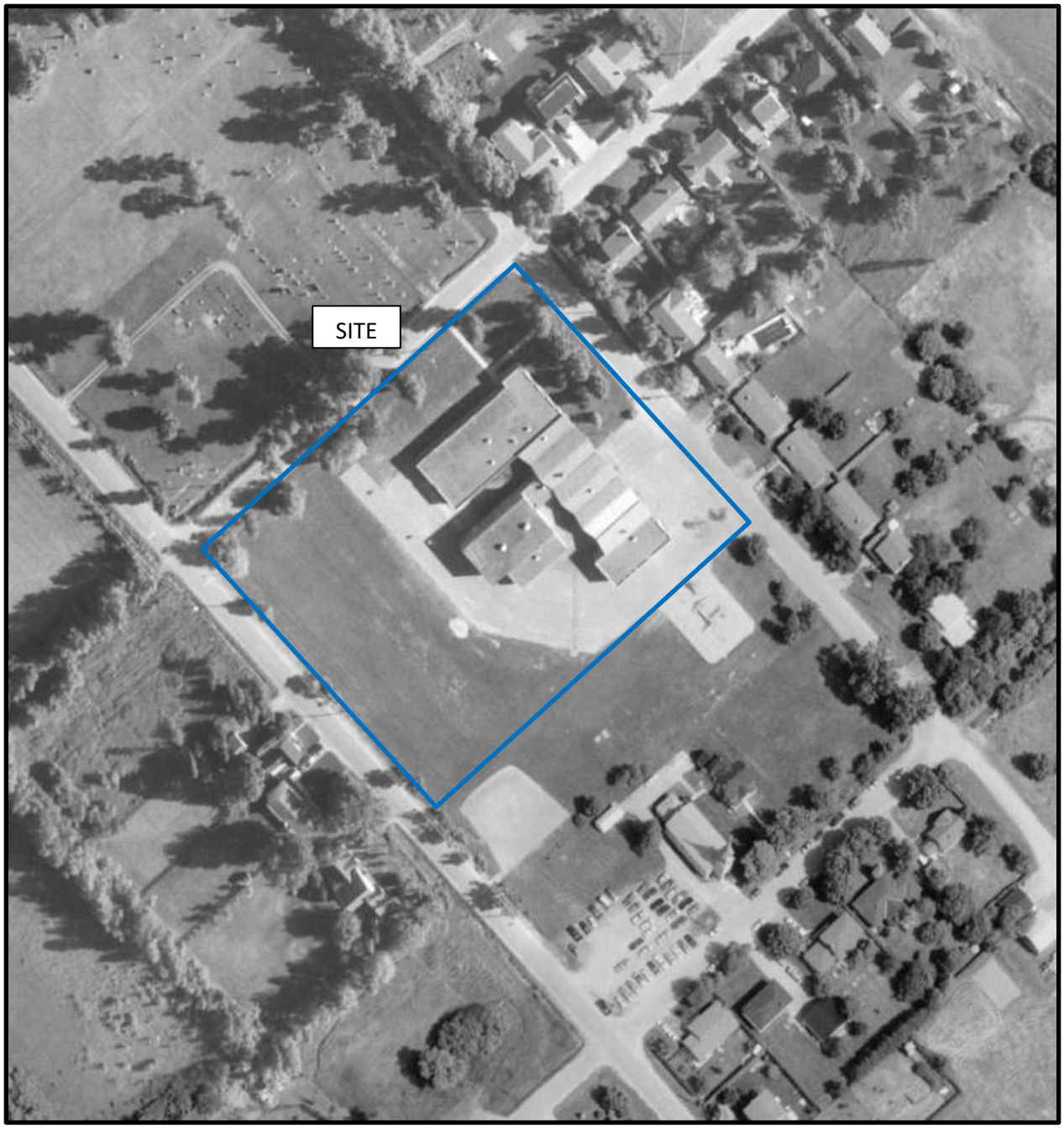
AERIAL PHOTOGRAPH
1959

PATERSON GROUP



AERIAL PHOTOGRAPH
1976

PATERSON GROUP



AERIAL PHOTOGRAPH
1991

PATERSON GROUP



AERIAL PHOTOGRAPH
2002

PATERSON GROUP



AERIAL PHOTOGRAPH
2011

PATERSON GROUP



AERIAL PHOTOGRAPH
2019

PATERSON GROUP



AERIAL PHOTOGRAPH
2024

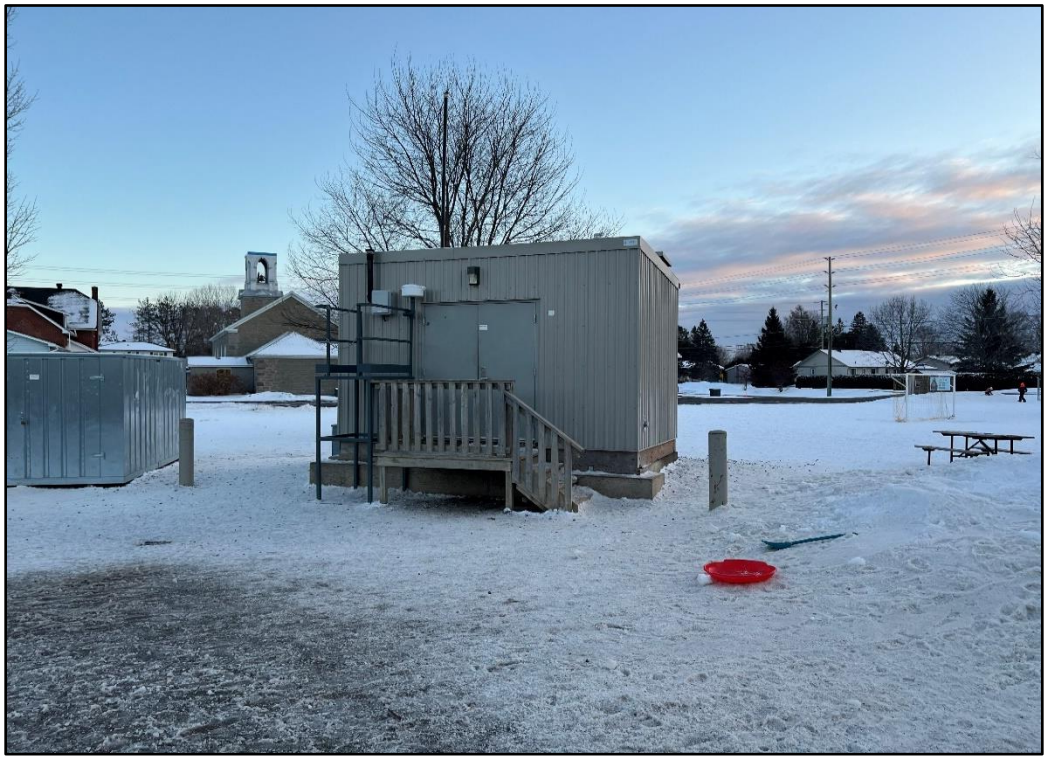
PATERSON GROUP

Site Photographs

PE6909 | 79 Maitland Street, Richmond, ON | January 15, 2025



Photograph 1: View looking west at 79 Maitland Street.



Photograph 2: View looking south at the outbuilding housing the fire suppression system and aboveground fuel storage tank.



Photograph 3: View looking east at 79 Maitland Street and the associated domestic drinking water well.



Photograph 4: View looking west at the natural gas generator enclosure and waste storage area.



Photograph 5: View of Typical school classroom.



Photograph 6: View looking south at portable classrooms.



Photograph 7: View of boiler room.



Photograph 8: View of custodial storage room.

APPENDIX 2

MECP FREEDOM OF INFORMATION

MECP WATER WELL RECORDS

TSSA CORRESPONDENCE

CITY OF OTTAWA HLUI

ERIS DATBASE REPORT

Ministry of the Environment, Conservation and Parks

Corporate Services Branch
40 St. Clair Avenue West
Toronto ON M4V 1M2

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Direction des services ministériels
40, avenue St. Clair Ouest
Toronto ON M4V 1M2

Ontario

January 30, 2025

Mr. Mark Bujaki
Paterson Group
9 Auriga Drive
Ottawa, Ontario K2E 7T9
mbujaki@patersongroup.ca

Dear Mark Bujaki:

RE: MECP FOI A-2025-00175, Your Reference #: PE6909 – Record Release Letter

This letter is further to your request made pursuant to the Freedom of Information and Protection of Privacy Act (the Act) relating to:

79 Maitland Street South, Richmond

Timeframe: January 1st, 1900 to January 10th, 2025

Your final fee payment was received by this office. If payment was not in Canadian dollars, please contact our office immediately.

Attached is a copy of the records.

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 Sylwia Rynkiewicz at 437-995-1618 or sylwia.rynkiewicz@ontario.ca.

Yours truly,

ASheh.

for
Josephine DeSouza
Manager, Access and Privacy Office

Attachment

Ontario

ST. PHILIP CATHOLIC SCHOOL
79 MAITLAND ST, GREATER NAPANEE, ON, K0A 2Z0

Inspection Report

System Number:	260015574
Inspection Start Date:	02/01/2022
Inspection End Date:	03/08/2022
Inspected By:	David Trombley
Badge #:	1532

(signature)

NON-COMPLIANCE/NON-CONFORMANCE ITEMS

This should not be construed as a confirmation of full compliance with all potential applicable legal requirement and BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: Regulated Activity: DRINKING WATER : DW Designated Facility

Question ID	NMDFDW1002000		
Question		**Question Type**	**Legislative Requirement**
What was the scope of this inspection?		Information	Not Applicable
Observation			
The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as conformance with ministry drinking water policies and guidelines during the inspection period. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of this drinking water system focusing on the water source, treatment components, applicable distribution components, sampling and monitoring programs, and response to adverse water quality incidents. This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O.Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA. This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements. A detailed inspection of the St. Philip Catholic School Well Supply was conducted by Water Inspector David Trombley and included a site inspection consisting of a physical inspection of the drinking water system components, document review and operator interviews. Additional data review was conducted at MECP offices. Water Inspector David Trombley was accompanied by Ryan Armstrong, Head Custodian of the facility and Nathan Linton of Brownlee Water Quality Management Inc. Operator for the drinking water system. The document review period for this inspection is from January 1, 2020 to February 1, 2022 and shall be known as the "inspection period" for the purposes of this report.			

Question ID	NMDFDW1027000		
Question		**Question Type**	**Legislative Requirement**
Do records indicate that the system components were maintained in accordance with the manufacturer's instructions or annually?		BMP	Not Applicable
Observation			
Records indicated that the system components were maintained in accordance with the manufacturer's instructions or annually.			

Ministry of the Environment, Conservation and Parks
Ministère de l'Environnement, de la Protection de la nature et des Parcs

Question ID	NMDFDW1047000		
Question		**Question Type**	**Legislative Requirement**
Do all operators and trained persons possess the required certification/designation?		Legislative	SDWA | 11 | (1)
Observation			
All operators and trained persons did possess the required certification/designation.			

Question ID	NMDFDW1041000		
Question		**Question Type**	**Legislative Requirement**
For every required operational test and for every required sample, is a record made of the date, time, location, name of the person conducting the test and result of the test?		Legislative	SDWA | O. Reg. 170/03 | 6-10 | (1),SDWA | O. Reg. 170/03 | 6-10 | (2)
Observation			
For every required operational test and every required sample, a record was made of the date, time, location, name of the person conducting the test and result of the test.			

Question ID	NMDFDW1046000		
Question		**Question Type**	**Legislative Requirement**
Are required documents made available free-of-charge during normal business hours at a location accessible to the public?		Legislative	SDWA | O. Reg. 170/03 | 12 | (1), SDWA | O. Reg. 170/03 | 12 | (2), SDWA | O. Reg. 170/03 | 12 | (3), SDWA | O. Reg. 170/03 | 12 | (4), SDWA | O. Reg. 170/03 | 12 | (5)
Observation			
Required documents were made available free-of-charge during normal business hours at a location accessible to the public. It was observed at the time of the inspection that required documents are kept on-site and are available free-of-charge during regular business hours. Public access/notice of the drinking water system annual report is also provided via the School Newsletter.			

Question ID	NMDFDW1006000		
Question		**Question Type**	**Legislative Requirement**
Has the owner submitted a drinking water system profile		Legislative	SDWA | O. Reg.

information form to the ministry?		170/03 | 10.1 | (2)

Observation

The drinking water system was registered with the Ministry and the required notices containing information about the system have been provided to the Ministry. A drinking water system profile information form was provided to the ministry. The drinking water system was assigned registration # 260015574 and is classified as a small non-municipal, non-residential drinking water system serving a designated facility (school).

Question ID	NMDFDW1009000		
Question		**Question Type**	**Legislative Requirement**
Is the owner maintaining the well(s) in a manner sufficient to prevent entry into the well of surface water and foreign materials?		Legislative	OWRA | R.R.O. 1990, Reg. 903 | 20 | (1)

Observation

The owner was maintaining the well(s) in a manner sufficient to prevent entry of surface water and foreign materials.

Question ID	NMDFDW1016000		
Question		**Question Type**	**Legislative Requirement**
Is the system in compliance with the requirement to provide the minimum level of treatment as prescribed by subsection 2-2 (1) of Schedule 2 of O. Reg. 170/03?		Legislative	SDWA | O. Reg. 170/03 | 2-2 | (1)

Observation

The owner was compliance with the requirement to provide the minimum level of treatment as prescribed by subsection 2-2 (1) of Schedule 2 of O. Reg. 170/03.

Question ID	NMDFDW1075000		
Question		**Question Type**	**Legislative Requirement**
If the system uses a UV unit for primary disinfection, has the owner and operating authority ensured that the system is designed and operated in accordance with section 2-6 of Schedule 2?		Legislative	SDWA | O. Reg. 170/03 | 2-6 | (1), SDWA | O. Reg. 170/03 | 2-6 | (2), SDWA | O. Reg. 170/03 | 2-6 | (3)

Observation

The owner and operating authority had ensured that the UV system was equipped with an alarm or shut-off, and maintained to ensure adequate primary disinfection. At the time of the inspection it was observed that the UV disinfection system is provided with audible alarms and automatic shutdown mechanisms in the event that the equipment loses power or fails to provide adequate disinfection.

Question ID	NMDFDW1054000		
Question		**Question Type**	**Legislative Requirement**
Have all distribution system microbiological sampling requirements prescribed by Schedule 12 of O.R. 170/03 been conducted within the required frequency and at the required location?		Legislative	SDWA | O. Reg. 170/03 | 12-2 | (1),SDWA | O. Reg. 170/03 | 12-2 | (2),SDWA | O. Reg. 170/03 | 12-2 | (3),SDWA | O. Reg. 170/03 | 12-2 | (7)

Observation

The owner had provided adequate security measures to protect components of the drinking water system. Sampling records indicate that during the inspection period distribution/plumbing water samples were collected monthly and tested for Escherichia coli and total coliform bacteria.

This sampling meets the legislative requirements.

Question ID	NMDFDW1063000		
Question		**Question Type**	**Legislative Requirement**
Have all nitrate/nitrite sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-4 | (1),SDWA | O. Reg. 170/03 | 15-4 | (2),SDWA | O. Reg. 170/03 | 15-4 | (3)

Observation

Nitrate/nitrite sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that during the inspection period distribution/plumbing water samples were collected quarterly during the months of January, April, July and October and tested for Nitrates and Nitrites.

This sampling meets the legislative requirements.

Question ID	NMDFDW1089000		
Question		**Question Type**	**Legislative Requirement**
Did results of Ministry audit sampling meet the standards included in the Ontario Drinking Water Quality Standards (O. Reg. 169/03) and O. Reg 170/03?		BMP	Not Applicable

Observation

Results of Ministry audit sampling met the standards included in the Ontario Drinking Water Quality Standards (O. Reg. 169/03) and O. Reg 170/03.

Question ID	NMDFDW1015000		
Question		**Question Type**	**Legislative Requirement**
Was an Engineering Evaluation Report prepared as required by Schedule 21 of O. Reg. 170/03?		Legislative	SDWA | O. Reg. 170/03 | 21-2 | (1),SDWA | O. Reg. 170/03 | 21-2 | (2),SDWA | O. Reg. 170/03 | 21-2 | (3),SDWA | O. Reg. 170/03 | 21-2 | (4),SDWA | O. Reg. 170/03 | 21-3 | (1),SDWA | O. Reg. 170/03 | 21-3 | (2),SDWA | O. Reg. 170/03 | 21-3 | (3)
Observation			
An Engineering Evaluation Report was prepared as required by Schedule 21 of O. Reg. 170/03. A "Notice of Completion of an Engineering Evaluation Report for Existing System", dated April 8, 2010, was prepared by Golder Associates Ltd. and received by the ministry on April 13, 2010.			

Question ID	NMDFDW1031000		
Question		**Question Type**	**Legislative Requirement**
Does the owner have evidence indicating that all chemicals used in the treatment process and all materials contacting the water have met the AWWA and ANSI standards?		BMP	Not Applicable
Observation			
The owner had evidence that indicated that all chemicals used in the treatment process and all materials contacting the water met the AWWA and ANSI standards.			

Question ID	NMDFDW1023000		
Question		**Question Type**	**Legislative Requirement**
Do records indicate that the treatment equipment was operated in a manner that achieved the design capabilities required under O. Reg. 170/03 at all times that water was being supplied to consumers?		Legislative	SDWA | O. Reg. 170/03 | 2-2 | (1), SDWA | O. Reg. 170/03 | 2-2 | (2), SDWA | O. Reg. 170/03 | 2-2 | (3), SDWA | O. Reg. 170/03 | 2-2 | (4)
Observation			
Records indicated that the treatment equipment was operated in accordance with O. Reg. 170/03 at all times that water was being supplied to consumers.			

Question ID	NMDFDW1026000		
Question		**Question Type**	**Legislative Requirement**
Do records indicate that the treatment equipment was maintained in accordance with the requirements of Schedule 9 of O. Reg. 170/03?		Legislative	SDWA | O. Reg. 170/03 | 9-2 | (1), SDWA | O. Reg. 170/03 | 9-2 | (2), SDWA | O. Reg. 170/03 | 9-2 | (3), SDWA | O. Reg. 170/03 | 9-2 | (4), SDWA | O. Reg. 170/03 | 9-2 | (5)
Observation			
Records indicated that the treatment equipment was maintained in accordance with the requirements of Ontario Regulation 170/03.			

Question ID	NMDFDW1049000		
Question		**Question Type**	**Legislative Requirement**
Where applicable, if a person other than a trained person, certified operator or water quality analyst conducts tests required by Schedule 9, is that person working under the supervision of a certified operator?		Legislative	SDWA | O. Reg. 170/03 | 9-5 | (1), SDWA | O. Reg. 170/03 | 9-5 | (1.1)
Observation			
A person other than a trained person, certified operator or water quality analyst conducted tests required by Schedule 9 and that person was working under the supervision of a certified operator. The Ottawa Catholic School Board exclusively contracts the operation of its drinking water systems to firms that employ appropriately certified operators.			

Question ID	NMDFDW1071000		
Question		**Question Type**	**Legislative Requirement**
Were all water samples taken at the prescribed location?		Legislative	SDWA | O. Reg. 170/03 | 6-2
Observation			

Water samples were taken at the prescribed location.

Question ID	NMDFDW1052000		
Question		**Question Type**	**Legislative Requirement**
Have all raw water microbiological sampling requirements prescribed by Schedule 12 of O.R. 170/03 been conducted within the required frequency and at the required location?		Legislative	SDWA | O. Reg. 170/03 | 12-3 | (1),SDWA | O. Reg. 170/03 | 12-3 | (3)
Observation			
Raw water microbiological sampling requirements prescribed by by Schedule 12 of O.R. 170/03 were conducted within the required frequency and/or at the required location. Sampling records indicate that during the inspection period, Raw water samples were collected monthly and tested for Escherichia coli and total coliform bacteria. This sampling meets the legislative requirements.			

Question ID	NMDFDW1059000		
Question		**Question Type**	**Legislative Requirement**
Have all inorganic and organic water sampling requirements prescribed by prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-2
Observation			
Inorganic and organic sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that drinking water samples were last collected on March 23, 2017 and tested for all parameters listed in schedules 23 and 24 of O. Reg. 170/03. This sampling was within the required frequency. Sampling and testing for parameters listed in Schedules 23 and 24 are required next on March 23, 2022 (+/-) 90 days.			

Question ID	NMDFDW1065000		
Question		**Question Type**	**Legislative Requirement**
Have all sodium sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-5
Observation			
Sodium sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that samples were last collected on July 25, 2017 and tested for Sodium. This sampling was conducted within the required frequency.			

Sampling and testing for Sodium is next required on July 25, 2022 (+/-) 90 days.

Question ID	NMDFDW1067000		
Question		**Question Type**	**Legislative Requirement**
Have all fluoride sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-6
Observation			
Fluoride sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and/or at the required location. Sampling records indicate that samples were last collected on July 25, 2017 and tested for Fluoride. This sampling was conducted within the required frequency. Sampling and testing for Fluoride is next required on July 25, 2022 (+/-) 90 days.			

Question ID	NMDFDW1088000		
Question		**Question Type**	**Legislative Requirement**
Do records show that the water provided by the system meets the requirements of the prescribed Ontario Drinking Water Quality Standards?		BMP	Not Applicable
Observation			
Records show that all water sample results taken during the review period met the Ontario Drinking Water Quality Standards.			

Ontario — Ministry of the Environment and Climate Change

Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

Fields marked with an asterisk (*) are mandatory.

General Information

1. Statement of Owner

I, the undersigned, hereby declare that to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate and that the Technical Information Contact identified in this application is authorized to act on my behalf for the purpose of processing this application.

☑ By checking this box I, the undersigned acknowledge that I am providing my name on the applicable line below in electronic form and therefore a signature to the paper version of this application is not required. (O. Reg. 245/06, s. 15)

Last Name, Options.com *	First Name *
Lihan	Nathan

Title *

Operator

Signature *	Date (yyyy/mm/dd) *
	2024/09/29

2. Owner of the Drinking Water System

A. Owner Name, or legal name, if not an individual (e.g. legal incorporation) *

B. Phillip Gabriel School

3. Owner Mailing Address

A. Unit Number	B. Street Number	C. Street Name *
	79	Bridlecrest Street

D. Municipality *	E. Postal Station	F. Province *	G. Postal Code *
Richmond		ON - Ontario	K0A 2Z0

H. Attention

Steven Mills

I. Position Title *

Conservator of Maintenance

J. Email Address *	K. Telephone Number (including area code) *	
steven.mills@mail.ca	613 226-0455	ext. 1218

4. Technical Information Contact

A. Last Name *	B. First Name *
Lihan	Nathan

C. Position Title *

Operator

D. Employer Company *

Rosenfels Water Quality Management

Technical Contact Address

E. Unit Number	F. Street Number	G. Street Name *
	43	Bayonet Crescent

H. Municipality *	I. Postal Station	J. Province *	K. Postal Code *
Ottawa		ON - Ontario	K0A 2Z0

L. Email Address *	M. Telephone Number (including area code) *	
nathan@rosenfelswaterquality.com	613 823-2690	ext.

4. Drinking Water System

A. System Number Name

220112574

B. Drinking Water System Category (check one)

☐ Large Municipal Residential ☐ Small Municipal Residential ☐ Limited or Other Residential

☑ Non-Municipal Year-Round Residential ☐ A System of Another Category Serving a Designated Facility

C. System Type (check one)

☑ Treatment and Distribution ☐ Distribution Only

D. Existing Approval, ESDWIS, Licence Information (check the one(s) that are applicable)

☐ Certificate of Approval Number (C of A, if multiple C of A's are issued for the system, identify the number of the last C of A issued)

☐ Municipal Drinking Water Licence Number (Licence)

☐ Drinking Water Works Permit (DWWP) Number

☐ Other (one of the Drinking Water Works Permit or Municipal Drinking Water Licence has never been issued for the system)

5. Type of Application

A. Identify the Type of Application and complete the sections of the application identified *

	1	2	3	4	5	6	7
☐ Fragmentation of the Drinking Water System	✓	✓	✓	✓	✓	✓	
☑ Relief from Regulatory Requirements	✓	✓	✓	✓	✓		✓

Note

Do not complete this form if you are applying for relief from boil water advisory requirements in Schedule 15.1 of O. Reg. 170/03 for Municipal and Non-Municipal Drinking Water Systems.

Consult the Fact Sheet entitled "Application for Relief from Boil Water Advisory Requirements in Schedule 15.1 of the Safe Drinking Water Act, 2002" for more information.

6. Relief from Regulatory Requirements

This section is to be completed when applying for relief from regulatory requirements.

A. Provide a brief summary of the relief being sought and reasons for seeking relief *

Section 7(e)(1) states the UV disinfection equipment must have a feature that ensures that no water is flowing in cases of water leaving the equipment in the event that the equipment malfunctions. Some pieces of equipment provide this assurance through the use of a shutdown solenoid mechanism. Some pieces of equipment provide the appropriate level of disinfection, as certified operator takes appropriate action at our location where the equipment is monitored before water is again allowed to enter of water treated by the equipment.

The Xenon Pro 20 UV disinfection unit is equipment with a solenoid valve however, this unit is capable of remaining automatically without a qualified person in condition monitoring/storage information and lamp status.

The owner and operating authority has ensured that the UV system it equipped with no alarm or shutdown and not maintained to ensure adequate pressure main failures.

We are requesting relief for this requirement as it is not feasible to maintain an operator next to each treatment there is a power outage water power as the unit is capable of restoring themselves including the level of disinfection appropriate for the user. We will be providing regular maintenance and ensuring that it is adequate for the site.

B. Information to be provided in support of the application for relief should have been discussed with staff of the Ministry of the Environment through a pre-consultation/verification process.

Supporting Information	Attached	Reference/Document Name	Can be Displayed
1. Details supporting relief being sought	☑ Yes ☐ No		☐ Yes ☐ No
2. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No
3. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No

Ontario — Ministry of the Environment and Climate Change

Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

Fields marked with an asterisk (*) are mandatory.

General Information

1. Statement of Owner

I, the undersigned, hereby declare that to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate and that the Technical Information Contact identified in this application is authorized to act on my behalf for the purpose of processing this application.

☑ By checking this box, I, the undersigned acknowledge that I am providing my name on the applicable line below in electronic form and therefore a signature to the paragraphs of this application is not required. (O. Reg. 245/06, s. 15)

Last Name, Options (prefix)*	First Name*
Lihon	Nathan

Title*

Operator

Signature*	Date (yyyy/mm/dd)*
	2024/09/29

2. Owner of the Drinking Water System

A. Owner Name, or Legal Name (Name as determined by legal documents)*

B. Phillip Gabriel School

3. Owner Mailing Address

A. Unit Number	B. Street Number	C. Street Name*	
	79	Bridlecrest Street	

D. Municipality*	E. Postal Station	F. Province*	G. Postal Code*
Richmond		ON - Ontario	K0A 2Z0

H. Attention	I. Position Title*
Steven Mills	Coordinator of Maintenance

J. Email Address*	K. Telephone Number (including area code)*	
steven.mills@rcdsb.ca	613 226-0455	ext. 1218

4. Technical Information Contact

A. First Name*	B. Last Name*
Lihon	Nathan

C. Position Title*	D. Employer Company*
Operator	Rosenfels Water Quality Management

Technical Contact Address

E. Unit Number	F. Street Number	G. Street Name*	
	43	Dulcamy Crescent	

H. Municipality*	I. Postal Station	J. Province*	K. Postal Code*
Ottawa		ON - Ontario	K0A 2Z0

L. Email Address*	M. Telephone Number (including area code)*	
nathan@rosenfelswaterquality.com	613 823-2600	ext.

4. Drinking Water System

A. System Number Name
220112574

B. Drinking Water System Category (check one)

☐ Large Municipal Residential ☐ Small Municipal Residential ☐ Limited or Off-Grid Farm-related
☑ Non-Municipal Year-Round Residential ☐ A System of Another Category Serving a Designated Facility

C. System Type (check one)

☑ Treatment and Distribution ☐ Distribution Only

D. Existing Approval (DWWP, Licence) Information towards the capacity, and other information as applicable

☐ Certificate of Approval Number (C of A, if multiple C of A's were issued for the system, identify the number of the last C of A issued)

☐ Municipal Drinking Water Licence Number (Licence) ☐ Drinking Water Works Permit (DWWP) Number

☐ If Previous C of A's Exist Note of Approval, Drinking Water Works Permit or Municipal Drinking Water Licence has been issued for the system

5. Type of Application

A. Identify the Type of Application and complete the sections of the application identified*

	1	2	3	4	5	6	7
☐ Fragmentation of the Drinking Water System	✓	✓	✓	✓	✓	✓	
☑ Relief from Regulatory Requirements	✓	✓	✓	✓	✓		✓

Note

Do not complete this form if you are applying for relief from lead sampling requirements in Schedule 15.1 of O. Reg. 170/03 for Municipal and Non-Municipal Drinking Water Systems.

Consult the MOE Publication "Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines" (PIBS 7304) for more information.

6. Relief from Regulatory Requirements

This section is to be completed when applying for relief from regulatory requirements.

A. Provide a brief summary of the relief being sought and reasons for seeking relief*

Section 2(4.1) states the UV disinfection equipment must have a feature that ensures that no water is directed to users of water treated by the equipment in the event that the equipment malfunctions. Some parts of system to provide the appropriate level of disinfection and if the disinfection equipment malfunctions. Some parts of system to provide the appropriate level of disinfection, a certified operator takes appropriate action at the location where the equipment is installed before water is again directed to users of water treated by the equipment.

The Xenon Pro 2x UV disinfection unit is equipment with a solenoid valve however, the unit is capable of initiating automatically without a qualified person in condition monitoring/storage information and lamp status.

The owner and operating authority feel assured that the UV system if equipped is still an effective disinfectant without the need to ensure adequate pressure main feature.

We are requesting relief for this requirement as it is not feasible to maintain an operator next to each treatment unit. Also there is a power outage where power in the area is capable of restoring themselves or reducing the level of disinfection is appropriate for the user. We will be providing regular maintenance and ensuring that it is adequate for the site.

B. Information to be provided in support of the application for relief should have been discussed with staff of the Ministry of the Environment through a pre-consultation/clarification process.

Supporting Information	Attached	Reference/Document Name	Can be Distributed
1. Details supporting relief being sought	☑ Yes ☐ No		☐ Yes ☐ No
2. Other Documentation further or prior discussion completed on	☐ Yes ☑ No		☐ Yes ☐ No
3. Other Documentation further or prior discussion completed on	☐ Yes ☑ No		☐ Yes ☐ No

Ministry of the Environment, Conservation and Parks
1st Floor
135 St Clair Ave W
Toronto ON M4V 1P5
Fax: (416) 314-8452
Telephone: (437) 882-3042

Ministère de l'Environnement, de la Protection de la nature et des Parcs
135 av St Clair O
Toronto ON M4V 1P5
Télécopieur : (416) 314-8452
Téléphone : (437) 882-3042

Ontario

October 16, 2024

Nathan Linton, Operator
St. Philip Catholic School
79 Maitland Street
Ottawa, Ontario
K0A 2Z0

Dear Nathan Linton:

Re: Application for Approval of Non-Municipal Drinking Water Systems
Application for Relief from Regulatory Requirements for St. Philip Catholic School (DWS 260015574)
City of Ottawa, Ontario
Reference Number 2979-DA4JKM

We acknowledge receipt of your application for approval dated September 26, 2024 and received on October 9, 2024 for the following:

Approval Type:	Non-Municipal Drinking Water Systems
Project Description:	Application for Relief from Regulatory Requirements for St. Philip Catholic School (DWS 260015574)
Site Location:	St. Philip Catholic School 79 Maitland Street City of Ottawa, Ontario

The Ministry's reference number for your application is 2979-DA4JKM. Please quote this number in any correspondence or enquiries regarding this application.

Please note that your submission has only been screened with respect to the presence of the supporting documentation normally required for this type of application, and did not include any technical analysis of the documentation, and therefore you may still be requested to provide some additional information during our detailed technical review of the application. In such a case, the Reviewer will contact you and/or your identified Project Technical Information Contact at this time.

Should you have any questions related to your application, please contact me at the above phone number.

Did you know?
The ministry has an online portal for environmental permissions. For future applications you may consider

submitting online where you can submit your application and supporting documents, make payments and track application progress efficiently and conveniently. For more information, including how to set up your account, please refer to our website at: www.ontario.ca/page/set-up-public-secure-ministry-account.

Sincerely,

Namee Choi
Application Assessment Assistant

c: District Manager, MECP Ottawa

From: Solis, Andrea (MECP)
To: Choi, Namee (MECP)
Cc: Williams, Shannon (MECP)
Subject: FW: Regulatory Relief Request
Date: October 11, 2024 6:03:59 AM
Attachments:

St. Philips Catholic School .pdf

Hi Namee,

These 6 individual DW regulatory relief applications have been assigned to you.

Can you please log them into IDS. and let Amanda and Sylvain know once they have has been assigned?

Thank you,
Andrea

From: Municipal Drinking Water Licensing Program (MECP) <MDWLP@ontario.ca>
Sent: Thursday, October 10, 2024 2:45 PM
To: Solis, Andrea (MECP) <Andrea.Solis@ontario.ca>; Williams, Shannon (MECP) <Shannon.Williams2@ontario.ca>
Cc: Municipal Drinking Water Licensing Program (MECP) <MDWLP@ontario.ca>; Boyden, Amanda (She/Her) (MECP) <Amanda.Boyden@ontario.ca>
Subject: FW: Regulatory Relief Request

Hi Shannon and Andrea,

Attached please find six non-municipal regulatory relief applications for

-
- .
-
- St Philip Catholic School – DWS # – 260015574
-
-

They should be logged individually. Please let Amanda know when they are logged into IDS and she'll get them assigned to a reviewer right away.

Thank you.

Sylvain

s.N/R

P.S. Try to make somebody smile today!

From: Nathan Linton <nathan@brownleewaterquality.com>
Sent: Wednesday, October 9, 2024 3:02 PM
To: Municipal Drinking Water Licensing Program (MECP) <MDWLP@ontario.ca>
Cc: shannon.williams2@ontario.ca; Beaudoin, Brenda (MECP) <Brenda.Beaudoin@ontario.ca>
Subject: Regulatory Relief Request

CAUTION -- EXTERNAL E-MAIL - Do not click links or open attachments unless you recognize the sender.

Good afternoon,

Please find attached our forms for the request of regulatory requirements for the following facilities with the Ottawa Catholic School Board:

St Philip Catholic School – WW# – 260-015-574

If you have any questions, please let me know.

Nathan Linton
Owner/Operator
Brownlee Water Quality Management Inc.
Water You Can Trust with Service you can Depend On
Tel: 613-692-2062
www.BrownleeWaterQuality.com

Ontario

Ministry of the
Environment

INCIDENT REPORT

Reference Number:	0328-5RWKBC	**File Storage Number:**	SI OC GO MA 505
Module:	Incident Reporting	**Module Type:**	Drinking Water Monitoring Exceedance
Cross Reference:	(doc link)	**Task Link:**	0714-5RWRP5
Originating Document:		**Created by:**	Ryan Wheeler
Date Created:	2003/10/01	**Date Completed:**	2004/11/17
Bring Forward Date:		**Bring Forward Reason:**	
Status:	Closed		
Program:	Water - Communal	**Activity:**	Notifications

Is this an **air emission** (measured or modelled) or **wastewater** (sewage) **discharge exceedance** that will become part of the Environmental Compliance Report?

(legislation, certificate of approval, order, or guideline)

○ Yes ● No ○ To be determined *Click here for Guidance*

Caller or PO Information

Reported By:

First Name	Last Name	Name of Company:
Krista	Quantrill	Accutest Laboratories Ltd. - Nepean

Contact Mailing Address

Civic Address:	**Unit Identifier:**
Delivery Designator:	**Delivery Identifier:**

Municipality:	Postal Station:	Province/State:	Postal Code:
Ottawa		Ontario	
Telephone Number:	**Extension:**	**Other Number:**	**Email Address:**
(613)727-5692			

Reported By:

MOE Information

Date & Time Reported to MOE:	2003/10/01 08:20		
Office Receiving Incident Report:	Spills Action Centre		
Incident Info Received By:	Ryan Wheeler		
AWQI Notification No:	17422	**Waterworks Number:**	260015574
DWS Category:		**AWQI Master Notification No:**	
MOE Response:	No Field Response	**Site Region:**	Eastern
Date & Time of MOE Arrival at Scene:			
Master Incident Report Number:			

SAC Action Class:	Adverse Water Sample Results
Non-Standard Procedure:	No
ERP Call-out Initiated:	

Client(s)

Client Details

Ottawa-Carleton Catholic School Board
Mailing Address: 1224 Main Street, Stittsville, Ontario, Canada, K2S 1B2
Physical Address: Concession: , Plan: , 1224 Main Street, Stittsville, Ontario, Canada, K2S 1B2
Telephone: (613)836-5620, FAX: (613)836-7769
Client #: 5146-4GLRLU, Client Type: Municipal Government

Site(s)

Site Details

St. Philip Catholic School
Address: Concession: , Plan: , 79 Maitland Avenue, Ottawa, City, K0A 2Z0
District Office: Ottawa
Waterworks Number: 260015574
Site #: 5296-5DNR7S

Incident Information

Incident Summary:	Total Coliform - 2 cfu, St. Philip Catholic School *cannot be longer than 60 characters*
Incident Description:	Total Coliform - 2 cfu health unit and WW (message) advised by lab - Accutest, Nepean f-up by N.Locker ODO nov 10/03... call to Michael Blood .. 224 4456 ext 2315. msg Left (K. Fairman August 12, 2004) - Reviewed file- Section 2b not received but lab results were. - Lab results from October 2, 2003- show resample at three locations St. Philip Treated- TC 0, EC 0, HPC 1 St. Philip Room 105- TC 0, EC 0, and HPC 0 St. Philip Kitchen TC 0, EC 0 and HPC 0 - Will be sending letter reiterating notification requirements, both written and oral. - No further action.

Attachments, Links & Comments:	
AWQI Updates:	Total Coliform - 2 cfu health unit and WW (message) advised by lab - Accutest, Nepean 10/02 09:25 WW - SAC: Paul Proulx confirms results. HU not'd C/A resampled, bottled water distributed Oct 01, 2003-11:13 - Sections 1 & 3 rec'd

Oct 02, 2003-16:03 - Sections 2a & 3 rec'd

Date & Time of Incident	2003/10/01		
Source Type:		Sector Type:	
Nearest Watercourse:		Watershed Category Code:	
Environmental Impact:			
Nature of Impact:			
Incident Cause:		Incident Reason:	
Damaged Party:	No		

Contaminants Table

Contaminant Name		Code	UN#	Limit	Quantity	[units]	[freq]
ESCHERICHIA COLI	I1	55		0	0	CFU/100ML	
ESCHERICHIA COLI	I1	55					
TOTAL COLIFORM	I2	55		0	2	CFU/100ML	
TOTAL COLIFORM	I2	55					

Controller of Material:		Owner of Material:	
Estimated Clean Up Cost:		Who Cleaned Up:	
% Clean Up:	%	Agencies Involved:	

Voluntary / Mandatory Abatement

Is there Voluntary Abatement Activity?	○ Yes	○ No	○ To be determined

Voluntary / Mandatory Compliance Items

Type	Parent RefNo	Work Summary (may be truncated)	Date	AttainList

Offence(s)

Suspected Violation(s)/Offence(s):

Act - Regulation - Section.
Description
{General Offence}

Provincial Officer:

Name: Katie Fairman
Badge No:

Work Unit:
District/Area Office: Kingston District Office
Date: 2004/08/12

Signature:

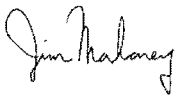


Manager:

Name: Jim Mahoney

Work Unit: Drinking Water Inspections Unit
District/Area Office: Kingston District Office
Date: 2004/11/17

Signature:



Ontario — Ministry of the Environment and Climate Change

Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

Fields marked with an asterisk (*) are mandatory.

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1. Statement of Owner

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☑ By checking this box, I, the undersigned acknowledge that I am providing my name on the applicable line below in electronic form and therefore a signature to the proposed Order is not necessary. (see: Sub. 3(2), 3(3), s. 5).

Last Name, Alphabetic only *	First Name *
Lilburn	Nathan

Title *

Operator

Signature *	Date (yyyy/mm/dd) *
	2024/09/29

2. Owner of the Drinking Water System

A. Owner Name or Legal Name, if not an individual (e.g. legal incorporation) *

N. Tiebarrier Construction Ltd.

3. Owner Mailing Address

A. Unit Number	B. Street Number	C. Street Name
	2417	4th Line Road

D. Municipality *	E. Postal Station	F. Province *	G. Postal Code *
Metcalfe		ON - Ontario	K0A 2P0

H. Attention	I. Position Title *
Steven Mills	Conservator of Maintenance

J. Email Address *	K. Telephone Number (including area code) *	
steven.mills@smith.ca	613 226-0455	ext. 2418

4. Technical Information Contact

A. First Name *	B. Last Name *
Linda	Nelles

C. Position Title *	D. Employer Company *
Operator	Rosenfels Water Quality Management

Technical Contact Address

E. Unit Number	F. Street Number	G. Street Name *
	53	Dulcinity Crescent

H. Municipality *	I. Postal Station	J. Province *	K. Postal Code *
Ottawa		ON - Ontario	K2J 4M8

L. Email Address *	M. Telephone Number (including area code) *	
lnelles@rosenfelswaterquality.com	613 823-2690	ext.

5. Drinking Water System

A. System Number Name
260103 Alva

B. Drinking Water System Category (check one)

☐ Large Municipal Residential ☐ Small Municipal Residential ☐ Large Non-Municipal Non-Residential
☑ Small Non-Municipal Non-Residential ☐ Schools or Private Vendor
☐ A System of Another Category Owning or Operating a Designated Facility

C. System Type (check one)

☑ Treatment and Distribution ☐ Distribution Only

D. Existing Approval, ESDWIS Licence Information towards the security, and other information as applicable

☐ Certificate of Approval Number (C of A, if multiple C of A's are issued for the system, identify the number of the last C of A issued)

☐ Municipal Drinking Water Licence Number (if known) ☐ Drinking Water Works Permit (DWWP) Number

☐ Attached is the Draft Notice of Approval, Drinking Water Works Permit or Municipal Drinking Water Licence that I have been issued for the system.

6. Type of Application

A. Identify the Type of Application and complete the sections of the application as indicated *

	1	2	3	4	5	6	7
☐ Fragmentation of the Drinking Water System	✓	✓	✓	✓	✓	✓	
☑ Relief from Regulatory Requirements	✓	✓	✓	✓	✓		✓

Note

Do not complete this form if you are applying for relief from boil water advisory requirements in Schedule 15.1 of O. Reg. 170/03 for Municipal and Non-Municipal Drinking Water Systems.

Consult the Fact Sheet entitled "Application for Relief from Boil Water Advisory Requirements in Schedule 15.1 of the Safe Drinking Water Act, 2002" for more information.

8. Relief from Regulatory Requirements

This section is to be completed when applying for relief from regulatory requirements.

A. Provide a brief summary of the relief being sought and reasons for seeking relief *

Section 2(4.1) states the UV disinfection equipment must have a feature that ensures that no water is flowed in event of water failure. The experiment to the event that the equipment malfunctions, have power be issues to provide the appropriate level of disinfection and if the disinfection equipment malfunctions, have power or appear to provide the appropriate level of disinfection, a certified operator takes appropriate action at the location where the equipment is monitored notice water is again allowed in event of water treated by the equipment.

The Xenon Pro 20 UV disinfection unit is equipment with a solenoid valve however, the unit is capable of initiating automatically without a qualified person in condition monitoring/storage information and lamp status.

The owner and operating authority feel assured that the UV system it equipped with no chance of shutdown and maintained to ensure adequate pressure main feature.

We are requesting relief for this requirement as it is not feasible to maintain an operator next to each protective water time there is a power outage water power as the unit is capable of restoring themselves on activating the level of disinfection is appropriate for the user. We will be providing regular maintenance and ordering back up bulbs as required for the site.

B. Information to be provided in support of the application for relief should have been discussed with staff of the Ministry of the Environment through a pre-consultation/clarification process.

Supporting Information	Attached	Reference/Document Name	Can be Distributed
1. Details supporting relief being sought	☑ Yes ☐ No		☐ Yes ☐ No
2. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No
3. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No

Ontario

Ministry of the
Environment

OCCURENCE REPORT

Location of Occurence:
OTTAWA CITY
ST. PHILIP CATHOLIC SCHOOL @ 78 MAITLAND ST
RICHMOND, ON K0A 2Z0

Reg: 4 **Dist:** OT **Municipality:** 26107

Source:
SCHOOL
WATERWORKS
Sector: SI **Source:** WS **SIC:** 8511
UTM:
N: [0] **E:** [0] **Zone:** []

Entered:	ORIS No.	Abstracts:	Diaries:
2002/08/23 14:18	9906071970	0	0
Received By:		**Batch:**	**I. E. B. No.**
BRENDA WATSON		4399	
Occurence Type:	**Subtype:**	**Occurence Date:**	
N	01		2002/02/28
Work Plan:	WC	**Occurence Time:**	12:40

Reported By: PAUL PROULX
OTTAWA CARLTON SCHOOL BOARD

Report to MOE : 2002/03/12 11:09
MOE at Scene:

Telephone No.	Alternate No.	Assigned To:	
613-836-6591 x	x		BRYAN DICKMAN

Address:

ERP Contacted:
Callout: []
ERP Name:
NSP: []

Postal Code: K2E 7Y1

Syn: WQE-ST. PHILIP CATHOLIC SCHOOL SODIUM 165 MG/L BACKENTRY

Brief Summary:
CALLER REPORTS @ ST.PHILIP CATHOLIC SCHOOL OF THE OTTAWA CARLTON SCHOOL BOARD SODIUM = 165 MG/L.\@HU NOTIFIED.\@13:18 RECEIVED PARTS 2 AND 3 ATTACHED. PART 1 IS MISSING.

If there are related reports, record initial/master ORIS No. here >>

Followup Action: X **Abatement** IEB Other
BF Date:
PROPER ACTIONS TAKEN

File Closed: Y **Abatement:** IEB Other
Suspected Violation:

Report Prepared By:	Date:	IEB Investigator:	IEB BF Date
BRYAN DICKMAN	2002-10-25		
Approving Officer	**Date:**	**Reviewing Officer:**	**Date**
PAUL KEHOE	2002-10-25		

Specify number(s) for routing Original [ ] [ ] [ ] [ ] **Continued** [ ] **Yes**
Specify number(s) for copy distribution [ ] [ ] [ ] [ ] [ ]
1. Investigator/E.O. **2. D. O. /File** **3. SAC (initial spills)**
4. Reg. Dir. /_____ Mgr. **5. IEB Reg. Spv** **6. IEB H.O./file** **7. Other _____**

SAC Action Class: 1: 2:

Material 1: SODIUM 17 **Code :** 55
Amount : 165 MGL **UN No.:**
Material 2: **Code :**
Amount : **UN No.:**
Material 3: **Code :**
Amount : **UN No.:**

Cause. . . . . : **Code. . :** 99
Reason. . . . . : **Code. . :** 99
Person in Control: PRIVATE OWNER **Waste GenNum :**
Owner . . . . . : PRIVATE OWNER **Waste GenNum :**
Agencies Involved . . . . :

Clean up and Restoration Carried out by:
[v] Controller [v] Owner [N] Other

% Cleaned up: **Estimated Cost:**
Were Directions or Approval Given Under
EPA Part X [v] **Regulation 362 [v]** **Manifest No.**

Waste Class : **Code . . :** 000
Hauler : **Code . . :**
Disposal Site : **Code . . :**
Environmental Impact: **Nature of Impact:**
P Human health **Code . . :** 01
People/Business Damaged
(Other than to Owner/Controller) :
Nature of Damage: **Code . . :**

Ontario — Ministry of the Environment and Climate Change

Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

Fields marked with an asterisk (*) are mandatory.

General Information

1. Statement of Owner

I, the undersigned, hereby declare that to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate and that the Technical Information Contact identified in this application is authorized to act on my behalf for the purpose of processing this application.

☑ By checking this box, I, the undersigned acknowledge that I am providing my name on the applicable line below in electronic form and therefore a signature to the paragraphs of this application commences pur. to ss. 5(3), 16(1), & 19.

Last Name (please print) *	First Name *
Lilburn	Nathan

Title *

Operator

Signature *	Date (yyyy/mm/dd) *
	2024/09/29

2. Owner of the Drinking Water System

A. Owner Name (Legal name, must be evidenced by legal documents) *

N. Erickson Orchards Limited

3. Owner Mailing Address

A. Unit Number	B. Street Number	C. Street Name
	1105	Hirsch Road

D. Municipality *	E. Postal Station	F. Province *	G. Postal Code *
Dundas		ON - Ontario	K9H 7K7

H. Attention	I. Position Title *
Steven Mills	Conservator of Maintenance

J. Email Address	K. Telephone Number (including area code) *	
steven.mills@hotmail.ca	519 226-0455	ext. / poste

4. Technical Information Contact

A. Last Name *	B. First Name *
Lilburn	Nathan

C. Position Title *	D. Employer Company *
Operator	Rosenfeld Water Quality Management

Technical Contact Address

E. Unit Number	F. Street Number	G. Street Name *
	43	Dulcamy Crescent

H. Municipality *	I. Postal Station	J. Province *	K. Postal Code *
Ottawa		ON - Ontario	K2J 4M8

L. Email Address *	M. Telephone Number (including area code) *	
nathan@rosenfeldwaterquality.com	613 823-2690	ext.

5. Drinking Water System

A. System Number Name
2410158 Site

B. Drinking Water System Category (check one)

☐ Large Municipal Residential ☐ Small Municipal Residential ☐ Large Municipal Non-Residential
☑ Small Municipal Non-Residential ☐ A System of Another Category Receiving a Designated Facility

C. System Type (check one)

☑ Treatment and Distribution ☐ Distribution Only

D. Existing Approval (ESDW) Licence Information (check the one that applies and write information as applicable)

☐ Certificate of Approval Number (C of A, if multiple C of A's were issued, list them all) or this system. Identify the number of the last C of A issued:

☐ Municipal Drinking Water Licence Number (Licence) ☐ Drinking Water Works Permit (DWWP) Number

☐ Attached is the Draft Notice of Approval, Drinking Water Works Permit or Municipal Drinking Water Licence that have been issued for the system.

6. Type of Application

A. Identify the Type of Application and accomplish the sections of the application identified *

	1	2	3	4	5	6	7
☐ Fragmentation of the Drinking Water System	✓	✓	✓	✓	✓	✓	
☑ Relief from Regulatory Requirements	✓	✓	✓	✓	✓		✓

Note

Do not complete this form if you are applying for relief from boil water advisory requirements in Schedule 15.1 of O. Reg. 170/03 for Municipal and Non-Municipal Drinking Water Systems.

Consult the Fact Sheet entitled "Application for Relief from Boil Water Advisory Requirements in Schedule 15.1 of the Safe Drinking Water Act, 2002" for more information.

8. Relief from Regulatory Requirements

This section is to be completed when applying for relief from regulatory requirements.

A. Provide a brief summary of the relief being sought and reasons for seeking relief *

Section 2(4.1) states the UV disinfection equipment must have a feature that ensures that no water is directed to users of water treated by the equipment in the event that the equipment malfunctions. Items present to ensure the appropriate level of disinfection are in the disinfection equipment manufacturer. Item present or appear to provide the appropriate level of disinfection, a certified operator takes appropriate action at the location where the equipment is monitored before water is again directed to users of water treated by the equipment.

The Xenon Pro 20 UV disinfection unit is equipment with a solenoid valve however, the unit is capable of initiating automatically without a qualified person in condition monitoring/storage information and lamp status.

The owner and operating authority feel assured that the UV system if equipped is still an effective method maintained to ensure adequate pressure main feature.

We are requesting relief for this requirement as it is not feasible to maintain an operator next to each treatment unit at these water power as the unit is capable of restarting themselves on activating the level of disinfection is appropriate for the user. We will be providing regular maintenance and ensuring that it is adequate for the site.

B. Information to be provided in support of the application for relief should have been discussed with staff of the Ministry of the Environment through a pre-consultation/clarification process.

Supporting Information	Attached	Reference Document Name	Can be Displayed
1. Details supporting relief being sought	☑ Yes ☐ No		☐ Yes ☐ No
2. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No
3. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No

Ontario — Ministry of the Environment and Climate Change

Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

Fields marked with an asterisk (*) are mandatory.

General Information

1. Statement of Owner

I, the undersigned, hereby confirm that to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate and that the Technical Information Contact identified in this application is authorized to act on my behalf for the purpose of processing this application.

☑ By checking this box, I, the undersigned acknowledge that I am providing my name on the applicable line below in electronic form and therefore a signature to the proposed Order is not necessary. (s. 25(4), 26(3), s. 31)

Last Name, Options apply*	First Name *
Lilium	Nathan

Title *

Operator

Signature *	Date (yyyy/mm/dd) *
	2024-10-29

2. Owner of the Drinking Water System

A. Owner Name or Legal Name (when an abbreviation or legal name is used) *

N. Mark Catholic School

3. Owner Mailing Address

A. Unit Number	B. Street Number	C. Street Name
	1440	Dundas Road

D. Municipality *	E. Postal Station	F. Province *	G. Postal Code *
Waterloo		ON - Ontario	N2M 1B6

H. Attention	I. Position Title
Mark Sullivan	Operating Operator

J. Email Address *	K. Telephone Number (including area code) *	
mark.sullivan@wcdsb.on.ca	519 954-3377	ext.

4. Technical Information Contact

A. Last Name *	B. First Name *
Lilium	Nathan

C. Position Title *	D. Employer Company *
Operator	Rosenfeld Water Quality Management

Technical Contact Address

E. Unit Number	F. Street Number	G. Street Name *
	43	Dynasty Crescent

H. Municipality *	I. Postal Station	J. Province *	K. Postal Code *
Ottawa		ON - Ontario	K2J 4M8

L. Email Address *	M. Telephone Number (including area code) *	
nathan@rosenfeldwaterquality.com	613 823-2690	ext.

5. Drinking Water System

A. System Number Name

260 1123 543

B. Drinking Water System Category (check one)

☐ Large Municipal Residential ☐ Small Municipal Residential ☐ Schools or Private Vendor

☑ Non-Municipal Year-Round Residential ☐ A System of Another Category Serving a Designated Facility

C. System Type (check one)

☑ Treatment and Distribution ☐ Distribution Only

D. Existing Approval, ESDWIS Licence Information towards the capacity, and other information as applicable

☐ Certificate of Approval Number (C of A, if available Serial Number issued) An Ontario drinking water system, identify the number of the last C of A issued:

☐ Municipal Drinking Water Licence Number (if known) ☐ Drinking Water Works Permit (DWWP) Number

☐ Schedule of the Drinking Water Works Permit or Municipal Drinking Water Licence that have been issued for the system

6. Type of Application

A. Identify the Type of Application and complete the sections of the application identified *

	1	2	3	4	5	6	7
☐ Fragmentation of the Drinking Water System	✓	✓	✓	✓	✓	✓	
☑ Relief from Regulatory Requirements	✓	✓	✓	✓	✓		✓

Note

Do not complete this form if you are applying for relief from boil water advisory requirements in Schedule 15.1 of O. Reg. 170/03 for Municipal and Non-Municipal Drinking Water Systems.

Consult the Fact Sheet on Requests for Relief from Boil Water Advisory Requirements for Schedule 15.1 Drinking Water Systems (O. Reg. 170/03) for more information.

8. Relief from Regulatory Requirements

This section is to be completed when applying for relief from regulatory requirements.

A. Provide a brief summary of the relief being sought and reasons for seeking relief *

Section 2(4.1) states the UV disinfection equipment must have a feature that ensures that no water is flowing in case of water leaks. The experiment to the event that the equipment malfunctions, have power failures to provide the appropriate level of disinfection, and if the disinfection equipment malfunctions, have points of access to provide the appropriate level of disinfection, a certified operator takes appropriate action at the location where the equipment is monitored before water is again allowed to enter of water treated by the equipment.

The Xenon Pro 2+ UV disinfection unit is equipment with a solenoid valve however, the unit is capable of restarting automatically without a qualified person in conflict-interrupt/outage information, and lamp status.

The owner and operating authority has ensured that the UV system it equipped with no alarms or shutoff, and not maintained to ensure adequate pressure rate factors.

We are requesting relief for this requirement as it is not feasible to maintain an operator next to each treatment unit there is a power outage water power or the unit is capable of restoring themselves or ensuring the level of disinfection is appropriate for the user. We will be providing regular maintenance and ensuring that it is adequate for the site.

B. Information to be provided in support of the application for relief should have been discussed with staff of the Ministry of the Environment through a pre-consultation/verification process.

Supporting Information	Attached	Reference/Document Name	Can be Disclosed
1. Details supporting relief being sought	☑ Yes ☐ No		☐ Yes ☐ No
2. Other Documentation further or prior discussion/consultation	☐ Yes ☑ No		☐ Yes ☐ No
3. Other Documentation further or prior discussion/consultation	☐ Yes ☑ No		☐ Yes ☐ No

Ontario — Ministry of the Environment and Climate Change

Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

Fields marked with an asterisk (*) are mandatory.

General Information

1. Statement of Owner

I, the undersigned, hereby confirm that to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate and that the Technical Information Contact identified in this application is authorized to act on my behalf for the purpose of processing this application.

☑ By checking this box I, the undersigned acknowledge that I am providing my name on the applicable line below in electronic form and therefore a signature to the paragraphs of this application commences Reg. 170/03, s. 15.

Last Name, Options apply*	First Name *
Lihon	Nathan

Title *

Operator

Signature *	Date (yyyy/mm/dd) *
	2024/09/29

2. Owner of the Drinking Water System

A. Owner Name, or legal name, must be established by legal documents *

St. Michael Catholic High School

3. Owner Mailing Address

A. Unit Number	B. Street Number	C. Street Name
	1952	Caldwell Road

D. Municipality *	E. Postal Station	F. Province *	G. Postal Code *
Cargi		ON - Ontario	K0A 3L0

H. Attention	I. Position Title *
Steven Mills	Conservator of Maintenance

J. Email Address *	K. Telephone Number (including area code) *	
steven.mills@stmich.ca	613 2264455	ext. 1218

4. Technical Information Contact

A. Last Name *	B. First Name *
Lihon	Nathan

C. Position Title *	D. Employer Company *
Operator	Rosenfeld Water Quality Management

Technical Contact Address

E. Unit Number	F. Street Number	G. Street Name *
	53	Dulverty Crescent

H. Municipality *	I. Postal Station	J. Province *	K. Postal Code *
Ottawa		ON - Ontario	K2J 4M8

L. Email Address *	M. Telephone Number (including area code) *	
nathan@rosenfeldwaterquality.com	613 224-4455	ext. 2318

5. Drinking Water System

A. System Number Name

220 1123 548

B. Drinking Water System Category (check one)

☐ Large Municipal Residential ☐ Small Municipal Residential ☐ Licensed or ODWQR Flow-based

☑ Non-Municipal Year-Round Residential ☐ A System of Another Category Serving a Designated Facility

C. System Type (check one)

☑ Treatment and Distribution ☐ Distribution Only

D. Existing Approved ODWQR Licence Information towards the capacity and other information as applicable

☐ Certificate of Approval Number (C of A, if multiple C of A's were issued for the system, identify the number of the last C of A issued)

☐ Municipal Drinking Water Licence Number (Licence)

☐ Drinking Water Works Permit (DWWP) Number

☐ Expansion of an Existing Drinking Water Works Permit or Municipal Drinking Water Licence has been issued for the system

6. Type of Application

A. Identify the Type of Application and complete the sections of the application identified *

	1	2	3	4	5	6	7
☐ Fragmentation of the Drinking Water System	✓	✓	✓	✓	✓	✓	
☑ Relief from Regulatory Requirements	✓	✓	✓	✓	✓		✓

Note

Do not complete this form if you are applying for relief from lead sampling requirements in Schedule 15.1 of O. Reg. 170/03 for Municipal and Non-Municipal Drinking Water Systems.

Consult the MOE Publication "Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines" (PIBS 7304) for more information

8. Relief from Regulatory Requirements

This section is to be completed when applying for relief from regulatory requirements.

A. Provide a brief summary of the relief being sought and reasons for seeking relief *

Section 2(4.1) states the UV disinfection equipment must have a feature that ensures that no water is directed to users of water treated by the equipment in the event that the equipment malfunctions. Some parts of appear to provide the appropriate level of disinfection, and if the disinfection equipment malfunctions, these parts of appear to provide the appropriate level of disinfection, a certified operator takes appropriate action at the location where the equipment is installed before water is again directed to users of water treated by the equipment.

The Model Elite UV disinfection unit in equipment with a solenoid valve however, this unit is capable of activating automatically without a qualified person to confirm water quality/dosage information, and lamp status.

The owner and operating authority feel assured that the UV system it equipped with no chance of shutdown and maintained to ensure adequate pressure with factors.

We are requesting relief for this requirement as it is not feasible to maintain an operator next to each treatment unit at this time there is a power outage where power in the area is capable of restoring themselves or activating the level of disinfection is appropriate for the user. We will be providing regular maintenance and ensuring that it is adequate for the site.

B. Information to be provided in support of the application for relief should have been discussed with staff of the Ministry of the Environment through a pre-consultation identified process.

Supporting Information	Attached	Reference Document Name	Can be Displayed
a. Details supporting relief being sought	☑ Yes ☐ No		☐ Yes ☐ No
b. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No
c. Other Documentation further or prior discussion consultation	☐ Yes ☑ No		☐ Yes ☐ No

Ontario | Ministry of the Environment and Climate Change

Application for Fragmentation or Relief from Regulatory Requirements Drinking Water Systems

For Office Use Only

Reference Number	Date (yyyy/mm/dd)	Initials

Fields marked with an asterisk (*) are mandatory.

General Information

1. Statement of Owner

I, the undersigned, hereby declare that to the best of my knowledge, the information contained herein and the information submitted in support of this application is complete and accurate and that the Technical Information Contact identified in this application is authorized to act on my behalf for the purpose of processing this application.

☑ By checking this box, I, the undersigned acknowledge that I am providing my name on the applicable line below in electronic form and therefore a signature to the proposed Order is not necessary. (e.g., O. Reg. 170/03, s. 15)

Last Name, Options apply*	First Name *
Lilburn	Nathan

Title *

Operator

Signature *	Date (yyyy/mm/dd) *
	2024-10-29

2. Owner of the Drinking Water System

A. Owner Name, or Legal Name, if not an individual (e.g. Municipality, Limited Partnership) *

The Municipality of Huron-Kinloss

3. Owner Mailing Address

A. Unit Number	B. Street Number	C. Street Name
	329	Bailey Street

D. Municipality *	E. Postal Station	F. Province *	G. Postal Code *
Point Clark		ON - Ontario	N0A 1N0

H. Attention	I. Position Title *
Steven Mills	Conservice of Maintenance

J. Email Address	K. Telephone Number (including area code) *	
steven.mills@huron.ca	519 236-4351	ext. 1218

4. Technical Information Contact

A. First Name *	B. Last Name *
Linton	Nathan

C. Position Title *	D. Employer Company *
Operator	Bluewater Water Quality Management

Technical Contact Address

E. Unit Number	F. Street Number	G. Street Name *
	33	Queens Crescent

H. Municipality *	I. Postal Station	J. Province *	K. Postal Code *
Ontario		ON - Ontario	K2P 0M8

L. Email Address *	M. Telephone Number (including area code) *	
nathan@bluewaterwaterquality.com	613 724-4533	ext. 2118

5. Drinking Water System

A. System Number Name

220112-501

B. Drinking Water System Category (check one)

☐ Large Municipal Residential ☐ Small Municipal Residential ☐ Large or Small Non-municipal Non-residential

☑ Non-municipal Year-round Residential ☐ A System of Another Category owning a Designated Facility

C. System Type (check one)

☑ Treatment and Distribution ☐ Distribution Only

D. Existing Approval, ESDWIS Licence Information towards the capacity, and other information as applicable

☐ Certificate of Approval Number (C of A, if multiple C of A's were issued for the system, identify the number of the last C of A issued)

☐ Municipal Drinking Water Licence Number (Licence)

☐ Drinking Water Works Permit (DWWP) Number

☐ Other Name of the Drinking Water Works Permit or Municipal Drinking Water Licence that have been issued for the system

6. Type of Application

A. Identify the Type of Application and complete the sections of the application identified *

	1	2	3	4	5	6	7
☐ Fragmentation of the Following Water System	✓	✓	✓	✓	✓	✓	
☑ Relief from Regulatory Requirements	✓	✓	✓	✓	✓		✓

Note

Do not complete this form if you are applying for relief from boil water advisory requirements in Schedule 15.1 of O. Reg. 170/03 for Municipal and Non-Municipal Drinking Water Systems.

Consult the Fact Sheet entitled "Application for Relief from Boil Water Advisory Requirements in Schedule 15.1 of the Safe Drinking Water Act, 2002 and O. Reg. 170/03" for additional information.

8. Relief from Regulatory Requirements

This section is to be completed when applying for relief from regulatory requirements.

A. Provide a brief summary of the relief being sought and reasons for seeking relief *

Section 2(4.1) states the UV disinfection equipment must have a feature that ensures that no water is directed to users of water treated by the equipment in the event that the equipment malfunctions. Some parts of system to provide the appropriate level of disinfection and if the disinfection equipment malfunctions. Some parts of system to provide the appropriate level of disinfection, a certified operator takes appropriate action at the location where the equipment is installed before water is again directed to users of water treated by the equipment.

The Xenon Pro 20 UV disinfection unit is equipment with a solenoid valve however, the unit is capable of initiating automatically without a qualified person in condition monitoring/storage information and lamp status.

The owner and operating authority feel assured that the UV system if equipped is still an effective method of disinfection to ensure adequate pressure main disinfection.

We are requesting relief for this requirement as it is not feasible to maintain an operator next to each pressure main in the event there is a power outage when power to the unit is capable of restoring themselves or exhausting the level of disinfection is appropriate for the user. We will be providing regular maintenance and metering tests as adequate for the site.

B. Information to be provided in support of the application for relief should have been discussed with staff of the Ministry of the Environment through a pre-consultation/clarification process.

Supporting Information	Attached	Reference/Document Name	Can be Disclosed
1. Details supporting relief being sought	☑ Yes ☐ No		☐ Yes ☐ No
2. Other Documentation further or prior discussion completed on	☐ Yes ☑ No		☐ Yes ☐ No
3. Other Documentation further or prior discussion completed on	☐ Yes ☑ No		☐ Yes ☐ No

S[redacted]oc GO & MA: SOO

Ministry of the Environment

Safe Drinking Water Branch

Ottawa Office
2430 Don Reid Drive
Ottawa, ON K1H 1E1
Tel: 613 521-3450
Fax: 613 521-5437
Toll free: 800 860-2195
www.ene.gov.on.ca

Ministère de l'Environnement

Direction du contrôle de la qualité de l'eau potable

Bureau d'Ottawa
2430, promenade Don Reid
Ottawa (Ontario) K1H 1E1
Tél: 613 521-3450
Téléc: 613 521-5437
Sans frais: 800 860-2195

Ontario

January 11, 2007

Jim Mahoney
Drinking Water Supervisor
Kingston District Office
1259 Gardiners Road, Unit 3
Kingston, Ontario
K7P 3J6

Re: File Transfer – Compliance Registration Orientation Project

Dear Mr. Mahoney:

Please find the attached file to be transferred from the Compliance Registration Orientation Project (CROP) to your district office.

INVENTORY NUMBER	4-2-0083
DWS NAME	St. Philip Catholic School
DWS NUMBER	260015574
REGULATION	O.Reg 170
CATEGORY	Small non-municipal non-residential DF
ADDRESS	79 Maitland Street
CITY	Richmond.
POSTAL CODE	K0A 2Z0
STATUS	Registered; in compliance
FILE OUTSTANDING ISSUE(S)	n/a.

Please do not hesitate to contact the undersigned if you have any questions or concerns regarding this transfer.

Sincerely,

Christine Villeneuve
Drinking Water Supervisor
Compliance Registration Orientation Project
Tel: 613-808-7406
Fax: 613-521-3450
Email: christine.villeneuve@ontario.ca

INV# 4-2-0088 St. Philip Catholic School

DNS# 200015574

PHONE CALL LOG

CONVERSATION ID:

Date/Time: Dec. 14/06 11:05 [Change Time]

Staff: Emily

Contact: Michael Blood

Number: 613-224-4455 x 2315 [Select Contact]

email File (if Saved) [Select File]

[Make Appointment] [Collect Feedback]

Conversation Summary

Other Comments

[Close] [New Record] [Delete] [Cancel]

Dec. 14/06 11:05 - spoke with Mr. Blood (Coordinator of Maintenance / facilities)
- updated profile for this school as well as 5 other schools.

Straberger, Emily (ENE)

From: Straberger, Emily (ENE)
Sent: December 14, 2006 12:06 PM
To: Reg170Formsubmission, Reg170 (ENE)
Subject: Update, St. Philip Catholic School, 260015574, PIBS #5386e
Attachments: Dws# 260015574 - St. Philip Catholic School.doc

Good Afternoon,

Attached is the Drinking Water System Profile Information (PIBS #5386e) Update for St. Philip Catholic School, DWS# 260015574. I have included the CROP Phase IV Inventory number: 4-2-0083 on the profile form in with the DWS name.

Thanks,

Emily Straberger
Compliance and Registration Project Officer
Safe Drinking Water Branch
Ottawa District Office
Tel: 613-521-3450 ext.259
Fax: 613-521-5437

Straberger, Emily (ENE)

From: Meng, Christy (ENE) on behalf of Reg170Formsubmission, Reg170 (ENE)
Sent: December 27, 2006 4:59 PM
To: Michael_Blood@occdsb.on.ca
Cc: Straberger, Emily (ENE)
Subject: RE: Update, St. Philip Catholic School, 260015574, PIBS #5386e

December 27, 2006

Dear Mr. Michael Blood:

Thank you for submitting the Drinking Water System Profile Information. Based on the information submitted, the profile information of the following drinking water system has been updated:

DRINKING WATER SYSTEM NAME:	St. Philip Catholic School Well Supply
DRINKING WATER SYSTEM NUMBER:	**260015574**
DRINKING WATER SYSTEM CATEGORY:	**Small Non-Municipal Non-Residential System**
REGULATION THAT APPLIES:	**Drinking Water Systems Regulation (O.Reg. 170/03)**

Please be aware that the Ministry must be notified of any change(s) to your drinking water system within ten (10) days of the change(s). To update drinking water systems information, you must fill out and submit to the Ministry:

- Drinking Water System Categorization Questionnaire (PIBS #5385e), if the category of the drinking water system has changed since the earlier submission.
- Drinking Water System Profile Information (PIBS #5386e), fill out **only** the profile information that has changed from your earlier submission.

Please email these forms to "reg170_formsubmission.moe@ontario.ca". The subject line of the email should read **–Update <DWS name>, <DWS #>, <PIBS #>**. The Laboratory Services Notification form should be updated and faxed to the Ministry of the Environment's Laboratory Services Branch at 416-235-6312.

The forms are available on the Ministry's website at "http://www.ene.gov.on.ca/environet/dwis/forms.htm", and the regulation, guides and other information related to Ontario Regulation 170/03 are available at "http://www.ene.gov.on.ca/envision/water/sdwa/dwsr.htm" or contact the Ministry's Public Information Centre at 1-800-565-4923 for a copy.

Should you need additional information or assistance, please contact us through our **toll free line** at 1-866-793-2588 (Monday to Friday, 8:30 a.m. to 5:00 p.m.).

Thank you.
****

Christy Meng
Drinking Water Program Management Branch
Ministry of the Environment
2 St Clair Ave. W., 18 Fl.
Toronto, ON M4V 1L5
Phone: (416) 314 8591
Fax: (416) 314 8716
christy.meng@ontario.ca

new: S DC GO MA 500

Ministry of the Environment

Safe Drinking Water Branch

Ottawa Office
2430 Don Reid Drive
Ottawa, ON K1H 1E1
Tel: 613 521-3450
Fax: 613 521-5437
Toll free: 800 860-2195
www.ene.gov.on.ca

Ministère de l'Environnement

Direction du contrôle de la qualité de l'eau potable

Bureau d'Ottawa
2430, promenade Don Reid
Ottawa (Ontario) K1H 1E1
Tél: 613 521-3450
Téléc: 613 521-5437
Sans frais: 800 860-2195

Ontario

October 31, 2006

Jim Mahoney
Drinking Water Supervisor
Kingston District Office
1259 Gardiners Road, Unit 3
Kingston, Ontario
K7P 3J6

Re: File Transfer – Compliance Registration Orientation Project

Dear Mr. Mahoney:

Please find the attached file to be transferred from the Compliance Registration Orientation Project (CROP) to your district office.

INVENTORY NUMBER	12851
DWS NAME	St. Philip Catholic School
DWS NUMBER	260015574
REGULATION	170103
CATEGORY	SDMNR DF
ADDRESS	79 Maitland St.
CITY	Richmond
POSTAL CODE	
STATUS	registered.
FILE OUTSTANDING ISSUE(S)	

Please do not hesitate to contact the undersigned if you have any questions or concerns regarding this transfer.

Sincerely,

Christine Villeneuve
Drinking Water Supervisor
Compliance Registration Orientation Project
Tel: 613-808-7406
Fax: 613-521-3450
Email: christine.villeneuve@ontario.ca

Ottawa systems found to be already registered

INV	DWIS Reg	Water Works Name	Health Unit	Description	Cat	Source	#	Address/Location	Town	Post Code	Mailing Address	INFO Source	Phone
12851	260015574	St. Philip Catholic School	Ottawa	School - DF	sn-mnr	g	79	Maitland St. at Fortune St.	Richmond			MOE	613-838-2466

s.N/R

s.N/R [redacted] } Ottawa - Carleton Catholic DSB

12857 - St. Philip CS } Ottawa

PHONE CALL LOG

CONVERSATION ID: 12838, 12825, 1285 1

Date/Time: Sept. 21/06 3:10pm [Change Time]

Staff: Em

Contact: 613-224-2222

Number: [Select Contact]

email File (If Saved) [Select File]

[Make Appointment] [Collect Feedback]

[Close] [New Record] [Delete] [Cancel]

Conversation Summary

- left voicemail on Michael B... machine
- I was transferred through 3 different people & then got an answering machine.

Other Comments

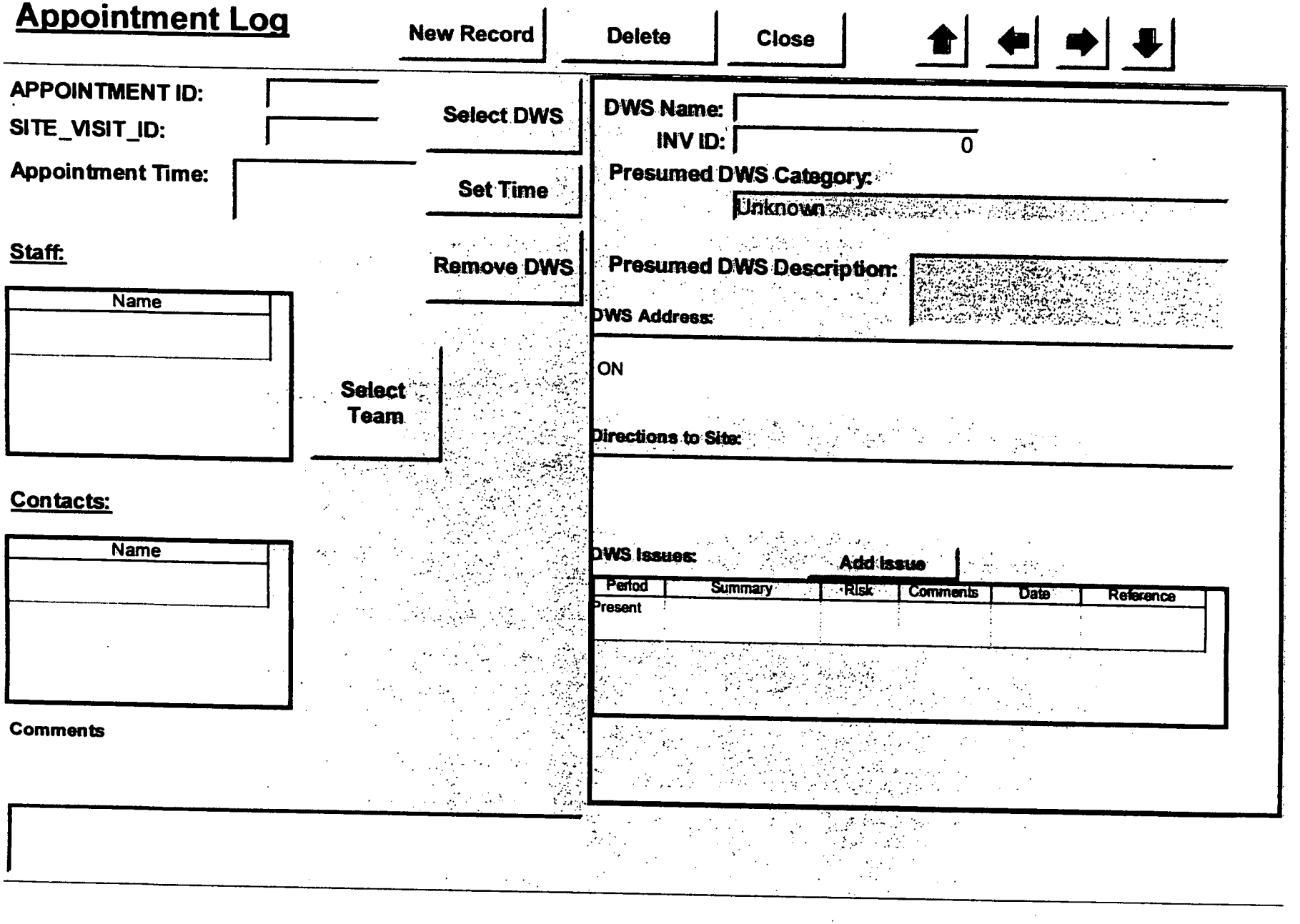
12838 - municipal water - confirmed

12857 - registered Dwst# 2600185579

12825 - Sept. 26/06 10am → msg w/ Jill Poirier (maintenance).

→ Sept. 26 - not correct school board.

→ drive-by on Sept. 28/06 confirmed that St. Clares is not a school. it is a church - Rev. Bill Penney.


Appointment Log
New Record
Delete
Close
APPOINTMENT ID:
SITE_VISIT_ID:
Appointment Time:
Select DWS
Set Time
Remove DWS
Staff:
Name
Select Team
Contacts:
Name
Comments
DWS Name:
INV ID:
0
Presumed DWS Category:
Unknown
Presumed DWS Description:
DWS Address:
ON
Directions to Site:
DWS Issues:
Add Issue
Period
Summary
Risk
Comments
Date
Reference
Present

January 12, 2010

Mr. Gerry Sancartier
Ottawa Catholic School Board
570 West Hunt Club Rd
Nepean ON K2G 3R4

Dear Mr. Sancartier,

Re: [redacted] St Phlip HS. s.N/R
Ontario Regulation 243/07 Inspection Report

Enclosed is the above mentioned inspection report for the public schools that begun December 22, 2009.

The inspection report documents your facility's compliance with Ontario Regulation 243/07. Items listed under the heading "*Actions Required*" should be reviewed to ensure actions are taken within the time frames listed.
Please note that *"Actions Required"* are linked to incidents of non-compliance with regulatory requirements contained within a Regulation.

Should you have any questions regarding the content of the enclosed report, please do not hesitate to contact me.

Yours truly,

Rattan Seeboruth,
Provincial Officer
Safe Drinking Water Branch
Phone: (416) 314-0612
Fax: (416) 326-8671

cc: City of Ottawa Health Department
Steven Mitchell, Ministry of Education, 900 Bay Street, Toronto ON M7A 1L2



Ministry of the Environment

R243 ST PHILIP CATHOLIC SCHOOL (4418)

Drinking Water System Inspection Report

DWS Number:	500000859
Inspection Number:	1-7SHUS
Date of Inspection:	Dec 22, 2009
Inspected By:	Rattan Seeboruth

OWNER INFORMATION:

Company Name: OTTAWA CATHOLIC SCHOOL BOARD
Street Number: 570 **Unit Identifier:**
Street Name: WEST HUNT CLUB Rd
City: NEPEAN
Province: ON **Postal Code:** K2G 3R4

CONTACT INFORMATION

Type: Main Contact **Name:** Gerry Sancartier
Phone: (613) 224-4455 **Fax:** (613) 225-0698
Email: gerard.sancartier@ottawacatholicschools.ca
Title: Property and Operations Officer

INSPECTION DETAILS:

DWS Name: R243 ST PHILIP CATHOLIC SCHOOL (4418)
DWS Address: 79 MAITLAND ST
County/District: Ottawa
District/Area Office: Ottawa District
DWS Category: Designated Facility
DWS Number: 500000859
Inspection Type: Announced
Inspection Number: 1-7SHUS
Date of Inspection: Dec 22, 2009
Date of Previous Inspection:

DRINKING WATER SYSTEM COMPONENTS DESCRIPTION

Site (Name): St Philip Catholic School
Type: Other **Sub Type:**
Comments:
St Philip Catholic School is a public school which is owned and operated by the Ottawa Catholic School Board and is regulated under Ontario Regulation 243/07 (Schools, Private Schools and Day Nurseries) made under the Safe Drinking Water Act, 2002 (SDWA). The plumbing in the school was installed in 1960, when the building was constructed and is served by the municipal drinking water system.

INSPECTION SUMMARY

INTRODUCTION

* **The primary focus of this report is to assess compliance with the flushing, sampling and record keeping requirements of Ontario Regulation 243/07. This Regulation was created to provide a safeguard against the potential consumption of elevated levels of lead in drinking water at schools, private schools and day nurseries in Ontario.**

  Mr. Gerry Sancartier, Property and Operations Officer of Ottawa Catholic School Board informed the ministry that, St Philip Catholic School is a public school that is located at 79 Maitland Street, Richmond, Ontario and is served by the municipal drinking water system.

DISTRIBUTION SYSTEM

* **When necessary, the operator had notified the Ministry of any changes to the facility information provided in the Laboratory Services Notification (LSN) form.**

* **This facility is required to flush the plumbing daily.**

  At the time of the inspection, Mr. Sancartier informed the ministry that the plumbing that serves the building that houses St Philip Catholic School was installed in 1960. A review of the flushing records, which were emailed to the ministry on December 21, 2009, indicated that daily flushing was conducted.

* **The operator has ensured that plumbing is flushed at the start of each day at the required time.**

  A review of the flushing records, which were emailed to the ministry on, December 21 2009, indicated that the daily flushing was completed by 7:00 am.

  The ministry determined that flushing was conducted in accordance with Section 4(2) of O. Reg. 243/07, and flushing was completed prior to the arrival of students at the facility.

* **The procedure for flushing has been done in accordance with the requirements of section 4(3) of O.Reg. 243/07.**

  The ministry confirmed, at the time of inspection, that all taps/fountains which may commonly provide drinking water to children under the age of eighteen (18) are currently incorporated into the daily flushing procedures at St Philip Catholic School, flushing was conducted in accordance with Section 4(3) of O. Reg. 243/07.

* **Records of manual or automatic flushing have been maintained in accordance with sections 4(4) or 4(5) of O. Reg. 243/07.**

  A review of the flushing records, which were emailed to the ministry on December 21, 2009, indicated that St Philip Catholic School is flushing daily as required. The flushing records contained the date, time, and the name of the person conducting the daily flushing. Therefore, the flushing records were maintained in accordance with Section 4(4) of O. Reg. 243/07.

CONSUMER RELATIONS

* **The operator of the facility ensured that the required information is available to the public during normal business hours, including records of flushing, sampling, exceedances, every Director's direction, and a copy of O.Reg. 243/07.**

  At the time of the inspection, Mr. Sancartier informed the ministry that records of flushing and sampling, lead test results and a copy of O. Reg. 243/07 are made available to the public without charge during normal business hours as per Section 8 of O. Reg. 243/07.

WATER QUALITY MONITORING

WATER QUALITY MONITORING

* **Annual lead sampling and testing was completed.**

  At the time of inspection, Mr. Sancartier confirmed that the drinking water samples were taken from St Philip Catholic School on July 9, 2008. The samples were submitted for analysis to Accutest Laboratories Ltd, Ottawa, Ontario, which is a laboratory that is licensed by the Ministry of the Environment to analyze drinking water samples for lead. Both the flushed and the standing sample were found to be below the Drinking Water Quality Standard for lead (10 µg/L).

* **The annual lead sampling and testing was performed in accordance with the procedure outlined in section 5(2) of O. Reg. 243/07.**

  A review of the sampling records, which were emailed to the ministry on December 21, 2009, indicated that the 2008 annual drinking water samples were collected from St Philip Catholic School on July 9, 2008. The ministry determined that the drinking water sampling was conducted in accordance with Section 5(2) of O. Reg. 243/07.

* **Sampling records have been made of the date, time, standing period estimate, location, and the name of the person who took each sample.**

  A review of the 2008 sampling record, which was emailed to the ministry on December 21, 2009, indicated that the records were maintained in accordance with Section 5(2) (12) of O. Reg. 243/07.

* **Lead samples were handled in accordance with laboratory instructions including collection, containers, labeling, completion of forms, and methods of transportation for samples.**

  At the time of the inspection, Mr. Sancartier confirmed to the ministry that the 2008 annual sample was collected, handled, and transported in accordance with the instructions provided by the laboratory, as per section 5(4) of O. Reg. 243/07.

* **A Laboratory Services Notification (LSN) was submitted before the samples were tested, as required by section 5(5) of O. Reg. 243/07.**

  A Laboratory Services Notification (LSN) form was submitted to the ministry on June 3, 2008. The LSN was submitted prior to the analysis of the drinking water samples, as required by section 5(5) of O. Reg. 243/07.

* **The operator of the facility ensured that the required documents are maintained, or will be maintained for at least six (6) years, including records of flushing, sampling and exceedances and notice of every Director's directions.**

  At the time of the inspection, Mr. Sancartier informed the ministry that records of flushing and sampling, lead test results and a copy of O. Reg. 243/07 are made available to the public without charge during normal business hours as per Section 8 of O. Reg. 243/07.

NON-COMPLIANCE WITH REGULATORY REQUIREMENTS AND ACTIONS REQUIRED

This section provides a summary of all non-compliance with regulatory requirements identified during the inspection period, as well as actions required to address these issues. Further details pertaining to these items can be found in the body of the inspection report.

Not Applicable

SUMMARY OF BEST PRACTICE ISSUES AND RECOMMENDATIONS

This section provides a summary of all best practice issues identified during the inspection period. Details pertaining to these items can be found in the body of the inspection report. Best Management Practices are recommendations and not mandatory requirements, but may lead to safe drinking water for the consumer.

In the interest of continuous improvement in the interim, it is recommended that owners and operators develop an awareness of the following practices and consider measures to implement them so that all drinking water systems continuously improve their processes.

Not Applicable

SIGNATURES

Inspected By: Rattan Seeboruth

Signature: (Provincial Officer):

Reviewed & Approved By: Natalie Boyd

Signature: (Supervisor): Natalie Boyd

Review & Approval Date: January 12, 2010

Note: This inspection does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they apply or may apply to this facility. It is, and remains, the responsibility of the owner and/or operating authority to ensure compliance with all applicable legislative and regulatory requirements.

714031
2816561

CHAIN OF CUSTODY RECORD

ACCUTEST LABORATORIES LTD.
☐ 146 Colonnade Rd., Unit 8
Ottawa, ON K2E 7Y1
Ph: (613) 727-5692 Fax: (613) 727-5222

☐ 608 Norris Court
Kingston, ON K7P 2R9
Ph: (613) 634-9307 Fax: (613) 634-9308

LABORATORY USE ONLY
Report #

Company Name: Ottawa Catholic School Board	Address: 570 West Hunt Club RD	☐ Fax Results to:
Report Attention: Michael Blood	City/Prov: Nepean, Ontario	Postal Code: K2G 3R4
Phone: 613-224-4455 Ext: 2315	Project #	* Quotation #: 270420
* Waterworks Name: N/A	* Waterworks Number:	☑ E-mail Results to: michael.blood@ottawacatholicschools.ca
		☐ Copy of Results to:
		Note that for drinking water samples, all exceedances will be reported where applicable legislation requires.

DWS500000859
R243 ST PHILIP SEP S (4418)
OTTAWA CATHOLIC SCHOOL BOARD
79 Maitland St.
Richmond K0A 2Z0

SAMPLE ANALYSIS REQUIRED

Sample ID	* Date/Time Collected	Sample Matrix: i.e. Water, Soil, Paint	* Sample Type (see "Codes" below)	* MOE Reportable? Y = Yes N = No	# of Containers	** Service Required Rush Surcharges Apply	LEAD (PB)	Criteria Required (i.e. Reg.170, Reg.153, CCME, PWQO etc)	Laboratory Identification
Standing T0 STAFF Room	July 9/08 7:55 AM	DW	DW	Y	1	S	✓	640300	
Flushed T35 STAFF Room	July 9/08 8:35 AM	DW	DW	Y	1	S	✓	301	
Estimate of standing period	6 hours.								

Sample Type Codes for Drinking Water Systems: RW = Raw Water, RWFC = Raw Water For Consumption, TW = Treated Water at point of entry to distribution, DW = Distribution/Plumbing Water
"MOE Reportable" refers to the requirements under the SDWA for immediate reporting of results, which are indicators of adverse water quality, to the Owner/Operator, MOE, and MOH Medical Officer.

Sampled By: Tony Arthur	Date/Time: July 9/08 9:36 AM	Relinquished By:	Date/Time:	Comments	Cooler Temp (°C) on Receipt
Work Authorized By (signature):	Date/Time:	Received By Lab. QC	Date/Time: 08/10/09 12:30		2

* Indicates a required field. If not complete, analysis will proceed only on verification of missing information. A quotation number is required, if one was provided.
** There may surcharges applied to "Rush" service. Please check with lab prior to submission of samples for rush analysis to confirm availability and pricing.

Page ____ of ____

AFCOCR.1

Copies: White – Sampler, Yellow – Laboratory, Pink – With Report
Please print and submit, to the laboratory, 2 copies of this form with your samples.

DEC-24-2009 10:45 OCCSB 613 225 0698 P.23/25
000034

714031

2816561

CHAIN OF CUSTODY RECORD

ACCUTEST LABORATORIES LTD.
☐ 146 Colonnade Rd., Unit 8
Ottawa, ON K2E 7Y1
Ph: (613) 727-5592 Fax: (613) 727-5222

☐ 608 Norris Court
Kingston, ON K7P 2R9
Ph: (613) 634-9307 Fax: (613) 634-9308

LABORATORY USE ONLY
Report #

Company Name: Ottawa Catholic School Board	Address: 570 West Hunt Club RD	☐ Fax Results to:
Report Attention: Michael Blood	City/Prov: Nepean, Ontario / Postal Code: K2G 3R4	☑ E-mail Results to: michael.blood@ottawacatholicschools.ca
Phone: 613-224-4455 Ext: 2315	Project # / * Quotation #: 270420	☐ Copy of Results to:
* Waterworks Name: N/A	* Waterworks Number:	Note that for drinking water samples, all exceedances will be reported where applicable legislation requires.

DWS500000859
R243 ST PHILIP SEP S (4418)
OTTAWA CATHOLIC SCHOOL BOARD
79 Maitland St.
Richmond K0A 2Z0

SAMPLE ANALYSIS REQUIRED

⇨ Indicate: F=Filtered or P=Preserved

Sample ID	* Date/Time Collected	Sample Matrix (i.e. Water, Soil, Paint)	* Sample Type (see "Codes" below)	* MOE Reportable? Y = Yes N = No	# of Containers	** Service Required R=Rush S=Standard	LEAD (Pb)	Criteria Required (i.e. Reg.170, Reg.153, CCME, PWQO etc.)	Laboratory Identification
Standing T0 STAFF Room	July 9/08 7:55 AM	DW	DW	Y	1	S	✓	6+0300	
Flushed T35 STAFF Room	July 9/08 8:35 AM	DW	DW	Y	1	S	✓	301	

Sample Type Codes for Drinking Water Systems: RW = Raw Water, RWFC = Raw Water For Consumption, TW = Treated Water at point of entry to distribution, DW = Distribution/Plumbing Water
"MOE Reportable" refers to the requirements under the SDWA for immediate reporting of results, which are indicators of adverse water quality, to the Owner/Operator, MOE, and MOH Medical Officer.

Sampled By:	Date/Time:	Relinquished By:	Date/Time:	Comments	Cooler Temp (°C) on Receipt
Tony Arthur	July 9/08 8:36 AM				
Work Authorized By (signature):	Date/Time:	Received By Lab:	Date/Time:		
		9 C	08/10/01 12:00		2 C

* Indicates a required field. If not complete, analysis will proceed only on verification of missing information. A quotation number is required, if one was provided.
** There may surcharges applied to "Rush" service. Please check with lab prior to submission of samples for rush analysis to confirm availability and pricing.

AFCOCR.1

Copies: White – Sampler, Yellow – Laboratory, Pink – With Report
Please print and submit, to the laboratory, 2 copies of this form with your samples.

Ottawa Catholic School Board

TO: Laura Moses	FROM: Jeff Black
DEPT: Planning and Facilities	SCHOOL: ST Michael
FAX: 613-225-0698	DATE: 3 Nov 08

WATER FLUSHING RECORD

Safe Drinking Water Act, 2002 Ontario Regulation 243/07

Month: October 2008	Time of Flush	Caretaker's Name (Print)	Caretaker's Signature
Wednesday, October 1, 2008	7 00	Jeff Black	
Thursday, October 2, 2008	6:45AM	Jeff Black	
Friday, October 3, 2008	0700	Jeff Black	
Saturday, October 4, 2008			
Sunday, October 5, 2008			
Monday, October 6, 2008	0700	Jeff Black	
Tuesday, October 7, 2008	0700	Jeff Black	
Wednesday, October 8, 2008	0700	Jeff Black	
Thursday, October 9, 2008	0700	Jeff Black	
Friday, October 10, 2008			
Saturday, October 11, 2008			
Sunday, October 12, 2008			
Monday, October 13, 2008			
Tuesday, October 14, 2008	0700	Jeff Black	
Wednesday, October 15, 2008	0700	Jeff Black	
Thursday, October 16, 2008	0700	Jeff Black	
Friday, October 17, 2008	0700	Jeff Black	
Saturday, October 18, 2008			
Sunday, October 19, 2008			
Monday, October 20, 2008	0700	Jeff Black	
Tuesday, October 21, 2008	0700	Jeff Black	
Wednesday, October 22, 2008	0700	Jeff Black	
Thursday, October 23, 2008	0700	Jeff Black	
Friday, October 24, 2008	0700	Jeff Black	
Saturday, October 25, 2008			
Sunday, October 26, 2008			
Monday, October 27, 2008	0700	Jeff Black	
Tuesday, October 28, 2008	0700	Jeff Black	
Wednesday, October 29, 2008	0700	Jeff Black	
Thursday, October 30, 2008	0700	Jeff Black	
Friday, October 31, 2008	0700	Jeff Black	

KEEP A COPY OF THIS REPORT IN THE SCHOOL OFFICE. REPORTS MUST BE KEPT FOR 5 YEARS

Catholic Education Centre
570 West Hunt Club Road, Nepean, Ontario, Canada K2G 3R4
Phone: (613) 224-2222 Ext. 2318 Fax: (613) 225-0698
Website: www.ottawacatholicschools.ca

Ottawa Catholic School Board

TO: Laura Moses	FROM: BRIAN ORSER
DEPT: Planning and Facilities	SCHOOL: ST. PAUL
FAX: 613-225-0698	DATE: 31 OCT 08

WATER FLUSHING RECORD

Safe Drinking Water Act, 2002 Ontario Regulation 243/07

Month: October 2008	Completed	Signature
Wednesday, October 1, 2008	BRIAN ORSER	
Thursday, October 2, 2008	"	
Friday, October 3, 2008	"	
Saturday, October 4, 2008		
Sunday, October 5, 2008		
Monday, October 6, 2008	BRIAN ORSER	
Tuesday, October 7, 2008	"	
Wednesday, October 8, 2008	"	
Thursday, October 9, 2008	"	
Friday, October 10, 2008		
Saturday, October 11, 2008		
Sunday, October 12, 2008		
Monday, October 13, 2008		
Tuesday, October 14, 2008	BRIAN ORSER	
Wednesday, October 15, 2008	"	
Thursday, October 16, 2008	"	
Friday, October 17, 2008	"	
Saturday, October 18, 2008		
Sunday, October 19, 2008		
Monday, October 20, 2008	BRIAN ORSER	
Tuesday, October 21, 2008	"	
Wednesday, October 22, 2008	"	
Thursday, October 23, 2008	"	
Friday, October 24, 2008	"	
Saturday, October 25, 2008		
Sunday, October 26, 2008		
Monday, October 27, 2008	BRIAN ORSER	
Tuesday, October 28, 2008	"	
Wednesday, October 29, 2008	"	
Thursday, October 30, 2008	"	
Friday, October 31, 2008	"	

KEEP A COPY OF THIS REPORT IN THE SCHOOL OFFICE., REPORTS MUST BE KEPT FOR 5YEARS

Catholic Education Centre
570 West Hunt Club Road, Nepean, Ontario, Canada K2G 3R4
Phone: (613) 224-2222 Ext. 2319 Fax: (613) 225-0698
Website: www.ottawacatholic schools.ca

REPORT OF ANALYSIS

Client: R243 ST PHILIP SEP S (4418)
79 Maitland St.
Richmond, ON
K0A 2Z0
Attention: Mr. Michael Blood
Facilty #: 500000859
INVOICE: Ottawa Catholic School Board
Chain of Custody Number: 714031

Report Number: 2816561
Date: 2008-07-15
Date Submitted: 2008-07-10
Project:
P.O. Number:
Matrix: Supply Water

			LAB ID:	640300	640301				GUIDELINE		
			Sample Date:	2008-07-09	2008-07-09				MOE REG. 243/07		
			Sample ID:	Standing T0 Staff Rm	Flushed T35 Staff Rm						
PARAMETER	**UNITS**	**MRL**		STANDING	FLUSHED				**TYPE**	**LIMIT**	**UNITS**
Lead	mg/L	0.001		0.003	0.001				MAC	0.010	mg/L

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration
Comment:

APPROVAL:
Ewan McRobbie
Inorganic Lab Supervisor

000038

Results relate only to the parameters tested on the samples submitted for analysis

Client: **R243 ST PIUS X HS (5952)**
1481 Fisher Avenue
Ottawa, ON
K2C 1X4
Attention: **Mr. Michael Blood**
Facilty #: 500029771
INVOICE: Ottawa Catholic School Board
Chain of Custody Number: **713502**

Report Number: 2814828
Date: 2008-07-03
Date Submitted: 2008-06-25
Project:
P.O. Number:
Matrix: Supply Water

			LAB ID:	635777	635778				GUIDELINE		
			Sample Date:	2008-06-20	2008-06-20				MOE REG. 243/07		
			Sample ID:	Standing T0	Flushed T35						
PARAMETER	**UNITS**	**MRL**	STANDING	FLUSHED				**TYPE**	**LIMIT**	**UNITS**
Lead	mg/L	0.001	<0.001	<0.001				MAC	0.010	mg/L

MRL = Method Reporting Limit INC = Incomplete AO = Aesthetic Objective OG = Operational Guideline MAC = Maximum Allowable Concentration IMAC = Interim Maximum Allowable Concentration
Comment:

APPROVAL:
Ewan McRobbie
Inorganic Lab Supervisor

See main doc
in file # 5000 29758
Notre Dame H.S.

Ottawa Catholic School Board

GUIDELINES
for
LEAD IN WATER TESTING
and
WATER FLUSHING OF COLD WATER DOMESTIC DRINKING WATER SYSTEMS

October 2007

Believing, Discovering, Achieving

Kathy Ablett, R.N.
Chairperson

James G. McCracken
Director of Education

Catholic Education Centre
570 West Hunt Club Road, Nepean Ontario K2G 3R4
Tel: (613) 224-2222 Fax: (613) 224-2353
Website: www.ottawacatholicschools.ca

As Responsible Persons change, the new person shall be provided with a copy of the flushing instructions by the School Principal and shall document the flushing as requested. Failure to record and comply with this regulatory requirement may result in a revocation of school access privileges.

HOW AND WHERE TO FLUSH?

The cold water is to be turned on for at least 5 minutes at the last tap on each branch on each floor in the building and on each run of pipe that serves a drinking fountain or tap commonly used by children under 18 years of age for water consumption. For multi-storey buildings treat each floor as a separate building.

After completing the 5 minute flush, the cold water must be turned on for at least 10 seconds at every drinking fountain in the school (including bubblers on classrooms sinks pending a review of the usage/practice of bubblers in classrooms).

In addition to the drinking fountains, the cold water at sinks in the following locations are to be flushed for at least 10 seconds:

For Elementary Schools	**For High Schools**
Childcare kitchen	Servery Kitchen
Health Room	Family Studies
Gymnasium Kitchen	DE Unit
Breakfast Program Room Sink	Childcare Kitchen
DE Unit	

In addition to the above noted locations it is suggested that the teacher and caretaker staffroom sinks be flushed for 10 seconds daily.

For weekend community use a 5-minute flush shall be carried out in the area(s) occupied by the user group.

The flushing requirement does not apply to exterior wall hydrants or plumbing fixtures in service rooms not accessible at any time to students.

A floor plan showing the locations of all plumbing fixtures that are to be flushed for 5 minutes and the location of all drinking water fountains and designated sink faucets in the school that are to be flushed for 10 seconds shall be posted in the Head Caretaker's room. The Daily Water Flushing Record undertaken by the Head Caretaker shall be posted in the Head Caretaker's room. This information is to be available for designated and casual caretaker replacements.

4. Each standing and flushed sample must be taken with the water flowing at a rate that approximates normal use, without permitting water to splash out of the container in which the sample is being collected.

Sampling instructions will be provided with the sample bottles to the caretaking staff at the time of testing to comply with the above rules (see Appendices 2 and 3).

Reporting of Test Results

Following the annual testing the Planning & Facilities Department shall provide a copy of the test results to the School Principals, Health & Safety Officer, and where applicable to the Manager of Childcare Services, OCCCCC Daycare Administrators, Private Daycare Administrators and tenants of Private Schools and Daycare Centres in leased facilities.

When there is an exceedance to the standard in any water sample test the laboratory shall, within 24 hours after the result is obtained, report the result in writing to:

1. The Board contact (Co-ordinator of Maintenance/Facilities)
2. The Medical Officer of Health
3. The Ministry's Spills Action Centre
4. The Ministry of Education
5. The Ministry of Children and Youth Services where a childcare centre is affected.

The Co-ordinator of Maintenance/Facilities shall also provide a copy of this laboratory report to the local Medical Officer of Health and the Ministry's Spills Action Centre within 24 hours of receiving the report.

In the event of an adverse result on the flushed water sample, the Co-ordinator of Maintenance/Facilities shall communicate and co-ordinate with the local Medical Officer of Health regarding the re-testing of the school and shall make suitable arrangements for the re-testing. Notification will be provided to the Ministry of Health, Environment and Education of the results of the re-testing.

Where an exceedance in the Ontario Drinking Water Standard (ODWS) for lead results in an instruction from the local Medical Officer of Health to discontinue of the drinking water in the school, the Co-ordinator of Maintenance/Facilities shall notify the Director, and Deputy Director of Education, the Superintendents of Planning and Facilities and the Family of Schools involved, the School Principal, the Health and Safety Officer and the Manager of Child Care Services if there is a daycare located at the school. For leased facilities, the Co-ordinator of Maintenance/Facilities shall also notify the tenants where there is a private school or childcare centre operating in a leased facility.

Drinking water dispensers, cups and bottled water shall be provided to the school by the Planning and Facilities Department. The School Principal and Childcare Administrator at the school will issue a letter to parents of students to notify them of the situation (Appendix 4).

OTTAWA CATHOLIC SCHOOL BOARD
PLANNING & FACILITIES STATISTICS - 2008-20

YEAR BUILT	SCHOOL NAME, Area JK-6 SCHOOLS	*FTE Oct 31/08
[redacted]		
		s.N/R
		s.N/R
[redacted]		
1960	St. Philip, Richmond	
[redacted]		
	JK-6 ELEM. SUBTOTAL:	0.00
	[redacted]	
	JK-6 ELEMENTARY TOTAL	0.00

Page 44

is not relevant

est non pertinente

Sampling Instructions for Ontario Regulation 243/07

Please follow these instructions carefully when taking your regulated water samples for lead (Pb) testing. Both of the required bottles are 1 litre plastic with an acid preservative inside.

When to take the samples:

- Day nurseries – between May 1 and October 31, annually.
- Schools/Private Schools – between June 15 and August 15, annually.

Where to take the samples:

- At a kitchen tap or any other tap that provides drinking water. Make sure you choose a tap that does not have a filter or other water treatment device on it.

How to take the first sample (identify as "Standing – T0"):

1. Ensure the plumbing has not been used for at least six hours (or as long as possible if not a full six hours).
2. The plumbing must not be flushed beforehand.
3. Be prepared to take the sample as soon as you turn on the tap – the sample must include the first water that comes out of the tap.
4. Let the water run at a normal rate when filling the sample container.
5. Take care to avoid water splashing out of the sample container while collecting the sample.
6. Do not overflow the sample container.

How to take the second sample (identify as "Flushed – T35"):

1. Immediately after taking the first sample, turn on the tap and let the water run for at least five minutes. Then turn the tap off and leave it unused for at least 30 but not more than 35 minutes.
2. Take the second sample after the 30-35 minutes are up.
3. Be prepared to take the sample as soon as you turn the tap back on – the sample must include the first water that comes out of the tap.
4. Let the water run at a normal rate when filling the sample container.
5. Take care to avoid water splashing out of the sample container while collecting the sample.
6. Do not overflow the sample container.



Safety Precautions:
Note that the bottles contain a few drops of nitric acid (HNO_3) solution as a preservative. Care should be taken when handling the bottles as the acid is corrosive and can cause skin burns. MSDS sheets are available on request.

Ministry of the Environment

Safe Drinking Water Branch

Kingston District Office
1259 Gardiners Road, Unit 3
PO Box 22032
Kingston ON K7M 8S5

Ministère de l'Environnement

Direction du contrôle de la qualité de l'eau potable

Bureau du district de Kingston
1259, route Gardiners, unité 3
C. P. 22032
Kingston (Ontario) K7M 8S5

Ontario

December 3, 2012

Sent by Email: Michael.blood@ocsb.ca

Ottawa Catholic School Board
570 West Hunt Club Road
Ottawa, Ontario
K2G 3R4

Attention: Mr. Michael Blood,
Coordinator of Maintenance

Dear Mr. Blood:

Re: St. Philip Catholic School Drinking Water System Inspection

The enclosed report documents findings of the drinking water system inspection that was performed at the St. Philip Catholic School on November 27, 2012.

Two sections of the report, namely "Actions Required" and "Recommended Actions" cite due dates for the submission of information or plans to my attention.

Please note that "Actions Required" are linked to incidents of non-compliance with regulatory requirements contained within an Act, a Regulation, or site-specific approvals, licenses, permits, orders, or instructions. Such violations could result in the issuance of mandatory abatement instruments including orders, tickets, penalties, or referrals to the ministry's Investigations and Enforcement Branch.

"Recommended Actions" convey information that the owner or operating authority should consider implementing in order to advance efforts already in place to address such issues as emergency preparedness, the fulsome availability of information to consumers, and conformance with existing and emerging industry standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

New to the inspection report layout this year is the inclusion of a Stakeholder Support appendix (Appendix "A"). This addition has been made to promote awareness of the Drinking Water Ontario website at www.ontario.ca/drinkingwater with particular reference to key outreach publications that are downloadable free-of-charge. While the twelve publications specifically cited in the appendix are those that are most frequently accessed by owners and operators of drinking water systems servicing designated facilities, you will find many other useful support materials available through the website.

Thank you for the assistance afforded to me during the conduct of the compliance assessment. Should you have any questions regarding the content of the enclosed report, please do not hesitate to contact me.

Yours truly,

J Mahoney

James Mahoney

Enclosure

ec: Mr. Gerard Sancartier, Property and Operations Officer, Ottawa Catholic School Board, 2877 Richmond Road, Ottawa, ON K2H 5C1, Email: gerard.sancartier@ocsb.ca
- Ms. Holly Glofcheskie, Brownlee Water Quality Management Inc., 5431 North Riverside Drive, Manotick, ON K4M 1H2, Email: holly@brownleewaterquality.com
- Ms. Sherry Beadle, Program Manager, Ottawa Public Health, 100 Constellation Cresent, Ottawa, ON K2G 6J8, Email: sherry.beadle@ottawa.ca
- Mr. Steven Mitchell, Architect, Ministry of Education, Capital Program Branch, 21st Floor, Mowat Block, 900 Bay Street, Toronto, ON M7A 1L2, Email: steven.mitchell@ontario.ca

c: File SI-OT-OT-MA-540 (2012)

Ontario

Ministry of the Environment

ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Drinking Water System Inspection Report

DWS Number:	260015574
Inspection Number:	1-AAFSW
Date of Inspection:	Nov 27, 2012
Inspected By:	MOE KINGSTON DISTRICT

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OWNER INFORMATION:

Company Name:	OTTAWA CARLETON CDSB		
Street Number:	570	**Unit Identifier:**	
Street Name:	WEST HUNT CLUB Rd		
City:	NEPEAN		
Province:	ON	**Postal Code:**	K2G 3R4

INSPECTION DETAILS:

DWS Name:	ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
DWS Address:	79 MAITLAND ST RICHMOND K0A 2Z0
County/District:	Greater Napanee
MOE District/Area Office:	Kingston District
Health Unit:	KINGSTON, FRONTENAC AND LENNOX AND ADDINGTON HEALTH UNIT
Conservation Authority	N/A
MNR Office:	N/A
DWS Category:	Small Non-Municipal Non-Residential
DWS Number:	260015574
Inspection Type:	Announced
Inspection Number:	1-AAFSW
Date of Inspection:	Nov 27, 2012
Date of Previous Inspection:	

DRINKING WATER SYSTEM COMPONENTS DESCRIPTION

Site (Name): MOE DWS Mapping
Type: DWS Mapping Point **Sub Type:**
Comments:
Not Applicable

Site (Name): Production Well
Type: Source **Sub Type:** Ground Water
Comments:
Water Well Record No. 1531857 provides that the well was completed on April 3, 2001 by Capital Water Supply Ltd. of Stittsville, Ontario.

The final 60 feet of the 75 foot deep well is said to pass through hard limestone with the initial 15 feet of the bore hole passing through clay and stone.

The total length of 6 1/4 inch diameter casing used is recorded as 21 feet with cement grout filling the annular space to a depth of 21 feet.

The below cited April 2010 "supplemental summary report" prepared by Golder Associates states that the drilled well is equipped with a deep well submersible pump; that the well casing is extended above

grade with the surrounding ground surface graded to direct water away from the well to prevent ponding; and that the casing appears to be well sealed and capped with a secure, commercially manufactured vermin-proof well cap.

During the course of a ministry inspection performed on November 27, 2012, it was noted that the steel casing extends approximately 16 inches above ground surface and is securely topped with a vermin-proof well cap. Surrounding land use consists of single home residential, a graveyard, and a church.

Site (Name): Abandoned Well

Type: Other **Sub Type:** Other

Comments:

Water Well Record No. 1531858 documents the abandonment of a well that had been located within the school. The well is recorded as being abandoned on April 5, 2001, two days after the construction of the existing production well.

The 77 foot deep well is recorded as having been abandoned by Capital Water Supply Ltd. of Stittsville, Ontario.

Site (Name): Treatment System

Type: Treated Water POE **Sub Type:** Treatment Facility

Comments:

A "Notice of Completion of an Engineering Evaluation Report for Existing System", dated April 8, 2010, was prepared by Golder Associates Ltd. and received by the ministry on April 13, 2010.

The April 2010 "supplemental summary report" indicates that:

"The original system provided chlorine feed rates and contact time to meet the requirements of O. Reg. 170/03 for a ground water supply. The original installation was verified by Dennis G. Martin M.Sc. (Eng.), P. Eng.

The changes include removal of the chlorination equipment and installation of two new Trojan UV Max Pro20 units providing disinfection to meet the requirements of O. Reg. 170/03 and NSF Standard 55A and an ultraviolet transmission sensor that actives a solenoid valve that disables the water supply if the equipment malfunctions, loses power, or ceases to provide the appropriate minimum radiation through the water. The UV system installation consists of two 5 micron cartridge filters installed downstream of a water softener and upstream of the UV system components. The UV system is equipped with an alarm that sounds in the event of equipment failure. The UV is also linked to the buildings' security system."

Treatment components documented as existing at the time of the ministry's November 27, 2012 inspection consist of: an EcoWater brand water softener, two 5 micron cartridge filters, two Trojan UVMax Pro Series ultraviolet light irradiation reactors fed in series, and a Fusion2 electronic water conditioner manufactured by Waterite Technologies Inc. The Fusion2 water conditioner is an activated carbon filter enclosed within a 10 inch diameter cylinder, the primary purpose of which is to eliminate hydrogen sulphide odours from the treated water. The Fusion2 water conditioner is not cited in the Engineering Evaluation Report, however it's treatment role is restricted to addressing an aesthetic concern.

INSPECTION SUMMARY

INTRODUCTION

* **The primary focus of this inspection is to confirm compliance with Ministry of the Environment legislation and control documents, as well as conformance with Ministry drinking water related policies for the inspection period. The Ministry has taken a multi-barrier approach in the inspection of this drinking water system focusing on the water source, treatment components, applicable distribution components, sampling and monitoring programs, and response to adverse water quality incidents.**

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O.Reg.170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This inspection does not in any way suggest that all applicable legislation and regulations were evaluated. It is, and remains the responsibility of the owner, to ensure compliance with all applicable legislative and regulatory requirements.

On November 27, 2012 the undersigned ministry evaluator/supervisor visited the St. Phillip Elementary School in order to initiate an assessment of compliance with aspects of the Drinking Water Systems Regulation (O. Reg. 170/03), made under the Safe Drinking Water Act.

A current copy of O. Reg. 170/03 can be secured through the Province of Ontario's e-laws website at: http://www.e-laws.gov.on.ca or the Ministry of the Environment's Drinking Water Ontario website at: http://www.ene.gov.on.ca/environment/dwo.

The ministry evaluator was assisted in the conduct of the field assessment by Ottawa Catholic School Board employee Jeff Black and Keith Brownlee representing the operating authority Brownlee Water Quality Management Inc.

In addition to field observations, this compliance assessment is supported by information drawn from the ministry's Drinking Water Information System (DWIS) as well as documents supplied by school board employee Gerry Sancartier and by Holly Glofcheskie of Brownlee Water Quality Management Inc.

SOURCE

* **The drinking water system was registered with the Ministry and the required notices containing information about the system have been provided to the Ministry.**

Assigned Drinking Water System (DWS) number 260015574 by the ministry, the facility was registered as a Small Non-Municipal Non-Residential System on April 15, 2003.

The facility's registration profile cites the 24/7 contact as being school board Coordinator of Maintenance Michael Blood. A complete Laboratory Service Notification exists that identifies licensed and accredited private sector laboratories supplying analytical services for the school board. The laboratory most frequently used for the school's bacteriological and chemical drinking water testing is currently Exova Canada (Ottawa).

SOURCE

* **All changes to the system registration information were provided within ten (10) days of the change.**

  Registration profile details drawn from the ministry's Drinking Water Information System on October 18, 2012 appear to be generally up-to-date. Consideration should however be given to changing the name of the school board as currently displayed on the registration profile from "Ottawa Carleton Catholic District School Board" to "Ottawa Catholic School Board".

  Registration information amendments are brought to the ministry's attention by completing a "Drinking Water System Profile Information Form" available free-of-charge at ministry internet site http://www.ene.gov.on.ca/environment/dwo/en/index.htm. Select "Drinking Water System Profile Information Form" from the list of options cited in the Forms displayed at the bottom right-hand corner of the home page.

* **The owner should be aware of potential sources of pollution or activities that may pose a risk of impairment to the water supply and/or source water quality.**

  The school is located in the Village of Richmond within the City of Ottawa. Immediately surrounding land use consists of single family residential development, a graveyard, and a church.

  None of the monthly raw water samples collected between January 1, 2008 and October 17, 2012 have yielded detections of either E. Coli or Total Coliform bacteria. In addition, none of the quarterly treated water samples collected over the past two years have yielded measurable detections of nitrate or nitrite. Therefore, it does not appear that the well is currently being adversely impacted by surface water.

* **The owner was maintaining the well(s) in a manner sufficient to prevent entry of surface water and foreign materials.**

  The production well is situated within a grassed alcove created by two wings of the school. The area around the well is not frequented by vehicular traffic and the ground surface slopes gently away from the well towards a paved surface.

  The steel casing extends approximately 16 inches above ground level and is securely topped with a vermin-proof commercially manufactured well cap.

TREATMENT PROCESSES

* **An Engineering Evaluation Report was prepared as required by Schedule 21 of O. Reg. 170/03.**

  A Notice of Completion of an Engineering Evaluation Report for Existing System and accompanying Declaration of Professional Engineer was received by the ministry on April 13, 2010. In the Notice, Golder Associates Limited confirms that the drinking water system is providing all equipment required in order to ensure compliance with the provisions of Schedule 2 of O. Reg. 170/03, and the drinking water system is providing all equipment required to ensure compliance with the operational checks, sampling and testing provisions of O. Reg. 170/03 as provided in schedules that apply to the category of the drinking water system.

* **The system is capable of providing the required minimum level of treatment, as confirmed by a statement prepared by a licensed engineering practitioner.**

  In his 2010 "supplemental" Engineering Evaluation Report, Dennis G. Martin M.Sc. (Eng.), P.Eng. of Golder Associates Limited concludes that: "I certify that Golder Associates Ltd. has inspected the site and based on the information that was provided to me, I confirm that the facility meets the requirements of Schedule 2, O. Reg. 170/03 and that all equipment required to ensure compliance with Schedules 6 and 9, O. Reg. 170/03 is being provided."

  Minimally required treatment for a secure groundwater supply is disinfection, which at St. Philip Elementary School is provided by ultraviolet irradiation. Two 2010 installed Trojan UV Max Pro20 units fed in parallel are regularly inspected and maintained by Brownlee Water Quality Management.

TREATMENT PROCESSES

* **Records indicated that the treatment equipment was operated in accordance with Ontario Regulation 170/03 at all times that water was being supplied to consumers.**

Since their installation in 2010, the ministry has received no reports of improperly disinfected drinking water related to the operation of the two UV reactors. A review of analytical test results amassed in DWIS between January 1, 2008 and October 17, 2012 indicate zero instances of E. Coli or Total Coliform detections in weekly distributed drinking water samples gathered from the school; attesting to the effectiveness of the UV reactors and their chlorine based treatment predecessor.

The existing UV treatment system features an auto shut-off and audible alarm that when activated would alert the school board of all occurrences of disinfection equipment malfunctions, power loss, or inadequate UV dosage. Keith Brownlee noted that alarm notifications are also automatically forwarded to an alarm monitoring service that will apprise the school board of the occurrence.

* **Records indicated that the treatment equipment was maintained in accordance with the requirements of Ontario Regulation 170/03.**

Brownlee Water Quality Management Inc. undertakes system checks on a monthly basis with more extensive preventative maintenance scheduled on a quarterly and annual basis.

Maintenance checks are logged on an "Inspection Record Form" inserted into a binder that the operating authority maintains for the Ottawa Catholic School Board. The form includes columns to record: date; time; UV system intensity, lamp days, and solenoid check; water softener salt level, hardness, and timer check; pre & post cartridge filter pressure; the signature of the operator; and supplies/notes.

Replacement of the 5 micron filter cartridges is triggered either by pressure loss as registered on gauges positioned pre and post filtration, or quarterly. UV reactor lamps are replaced annually.

A supply of spare filter cartridges, UV lamps, UV sleeves, and UV sensors were observed to be maintained on-site.

LOGBOOKS

* **For every required operational test and every required sample, a record was made of the date, time, location, name of the person conducting the test and result of the test.**

As previously noted, Brownlee Water Quality Management Inc. maintains a binder for the Ottawa Catholic School Board that contains critical operational, maintenance, and regulatory details regarding the St. Philip School. The binder is kept within the school's boiler room/water treatment room.

The well organized binder includes tabs for: Contact Information & Operator Certificates; Engineering Evaluation Report; Drinking Water Test Results; and Equipment Manuals, Inspections, and Regulations.

The "Monthly Sampling and Testing Record" prepared by the operating authority and inserted into the binder includes columns depicting: date, time, sample type, parameters, sample location, chain-of-custody number, and the initials of the operator who collected the samples.

The binder opens with a calendar year scheduling of sample collections and monthly/quarterly/annual system checks.

CONSUMER RELATIONS

* **Required documents were made available free-of-charge during normal business hours at a location accessible to the public.**

Brownlee Water Quality Management Inc. prepares annual reports for St. Philip Elementary School. The annual reports for the periods April 1, 2009 to March 31, 2010 and April 1, 2011 to March 31, 2012 were supplied by the undersigned evaluator by the operating authority in preparation for the evaluator's November 27, 2012 site visit.

CONSUMER RELATIONS

The April 1, 2009 to March 31, 2010 Annual Report documents an expenditure of $14,000 to replace the former chlorine based disinfection treatment system with the current UV reactor based disinfection system.

The April 1, 2011 to March 31, 2012 Annual Report cites expenditures of $1,129.87, $771.90, and $771.90 for replacements of a UV power supply ballast, and two replacements of UV intensity monitors, respectively.

The previously identified binder prepared by the operating authority for the school and maintained within the school's boiler room/water treatment room includes a copy of all Certificates of Analysis for every test performed by Exova Canada (Ottawa) during the current calendar year. At the beginning of each new calendar year, Brownlee Water Quality Management Inc. removes the preceding year's sample results and maintenance/sampling forms and provides them to the school for retention in long-term storage.

All required documents are accessible to the public directly from the school.

CERTIFICATION AND TRAINING

* **All operators and trained persons did possess the required certification/designation.**

The following Brownlee Water Quality Management employees possess valid Limited Surface Water Subsystem, Operation of Small Drinking Water System, or Limited Groundwater Subsystem certification; any of which qualify the employee to operate the drinking water system serving the St. Philip Elementary School: Evan Thompson, Hunter Gilhooly, Tyrone Senior, and Keith Brownlee.

* **A person other than a trained person, certified operator or water quality analyst conducted tests required by Schedule 9 and that person was working under the supervision of a certified operator.**

The Ottawa Catholic School Board exclusively contracts the operation of its drinking water systems to firms that employ appropriately certified operators.

WATER QUALITY MONITORING

* **Raw water microbiological sampling requirements prescribed by legislation have been met.**

The evaluator retrieved analytical data from DWIS for the St. Philip Elementary School for the period January 1, 2008 to October 17, 2012. The data demonstrates that required monthly raw water sampling has consistently been performed and that the samples were submitted to Exova Canada (Ottawa) for bacteriological testing for E. Coli and Total Coliform.

The testing frequency complies with what is required by Subsection 12-3 of Schedule 12, O. Reg. 170/03.

None of the monthly raw water samples collected between January 1, 2008 and October 17, 2012 yielded detections of either E. Coli or Total Coliform bacteria.

* **Distribution system microbiological sampling requirements prescribed by legislation had been met.**

Data drawn from the ministry's DWIS store for the period spanning January 1, 2008 to October 17, 2012 confirmed that monthly distribution samples have consistently been collected and subjected to bacteriological analysis for E. Coli and Total Coliform. None of the tests performed resulted in detections of either bacteria.

For the above-cited data review period, a total of 360 bacteriological, organic chemical, inorganic chemical, and nutrient tests were performed on samples collected for the school board from the drinking water system.

WATER QUALITY MONITORING

* **The system was shut-down/closed for seven or more consecutive days and microbiological sampling was conducted and the results were received before drinking water was supplied to consumers after that period.**

  Keith Brownlee reported that the school's drinking water system is never actually "closed" for an extended period of time. Monthly bacteriological sample collections continue through the summer months. If water use becomes too low there is a danger of overheating the UV reactors and one or more taps may, if necessary, be trickle bled in order to keep water moving through the treatment system and plumbing.

* **All inorganic and organic water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

  Subsection 15-2 of Schedule 15, O. Reg. 170/03 necessitates that the owner and the operating authority ensure that at least one treated or distributed water sample is taken every 60 months and tested for every parameter set out in Schedules 23 and 24. The most recent collection of samples for organic and inorganic analyses occurred on March 28, 2012. The preceding sample date for organic and inorganic testing was March 19, 2007; as documented in the school board's Annual Report for the period of April 1, 2010 to March 31, 2011.

  It is concluded therefore that the school board is complying with the requirement that samples be collected for organic and inorganic parameter testing at least once every 60 months.

  All test results for organic and inorganic parameters have consistently been well below the respective Ontario Drinking Water Quality Standard; frequently below the laboratory's method detection limit.

* **All nitrate/nitrite water quality monitoring requirements prescribed by legislation were conducted within the required frequency.**

  Subsection 15-4 of Schedule 15, O. Reg. 170/03 stipulates that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every three months and tested for nitrite and nitrate.

  Analytical data drawn from DWIS confirms that quarterly nitrite and nitrate samples of treated ground water were most recently gathered on August 29, 2012, May 29, 2012, February 23, 2012 and November 23, 2011. All nitrate and nitrite tests yielded results below the laboratory's method detection limit. There have been no exceedances of the Ontario Drinking Water Quality Standard of 10 mg/L for nitrate + nitrite.

* **All sodium water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.**

  Subsection 15-5 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for sodium. A treated water sample collected on July 25, 2012 yielded a result of 110.0 mg/L; above the "notification" value of 20 mg/L cited in O. Reg. 170/03. DWIS does not contain a re-sample result for the July 25, 2012 elevated sodium test result.

  The preceding sodium sample collected on March 19, 2007 yielded a test result of 163.0 mg/L. DWIS does not contain a re-sample result for the March 19, 2007 elevated test result.

  It is concluded that the frequency of sodium sampling and testing exceeded the 60 month requirement stated in O. Reg. 170/03 by four months.

WATER QUALITY MONITORING

* **All fluoride water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.**

  Subsection 15-6 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for fluoride. A treated water sample collected on July 25, 2012 yielded a result of 0.31 mg/L; well below the Ontario Drinking Water Quality Standard of 1.5 mg/L.

  The preceding fluoride sample collected in March 19, 2007 yielded a test result of 0.32 mg/L. It is concluded therefore that the frequency of fluoride sampling and testing exceeded the 60 month requirement stated in O. Reg. 170/03 by four months.

* **Water samples were taken at the prescribed location.**

* **The owner and operating authority had ensured that the UV system was equipped with an alarm or shut-off, and maintained to ensure adequate primary disinfection.**

  The April 2010 "supplemental" Engineering Evaluation Report prepared by Golder Associates indicates that:

  "The original system provided chlorine feed rates and contact time to meet the requirements of O. Reg. 170/03 for a ground water supply. The original installation was verified by Dennis G. Martin M.Sc. (Eng.), P. Eng.

  The changes include removal of the chlorination equipment and installation of two new Trojan UV Max Pro20 units providing disinfection to meet the requirements of O. Reg. 170/03 and NSF Standard 55A and an ultraviolet transmission sensor that actives a solenoid valve that disables the water supply if the equipment malfunctions, loses power, or ceases to provide the appropriate minimum radiation through the water. The UV system installation consists of two 5 micron cartridge filters installed downstream of a water softener and upstream of the UV system components. The UV system is equipped with an alarm that sounds in the event of equipment failure. The UV is also linked to the buildings' security system."

WATER QUALITY ASSESSMENT

* **Records show that all water sample results taken during the review period met the Ontario Drinking Water Quality Standards (O.Reg. 169/03).**

  With the exception of the "notification" value for sodium, none of the 360 bacteriological, organic chemistry, inorganic chemistry, or nutrient tests performed between January 1, 2008 and October 17, 2012 yielded results exceeding an Ontario Drinking Water Quality Standard. The water works provides good quality drinking water for students and staff.

  The elevated concentration of sodium in the school's treated water poses no health risk for most Ontarians but may be of interest to students or staff who must adhere to a physician prescribed sodium restricted diet. Many Eastern Ontario groundwater supplies contain sodium at a concentration above the 20 mg/L O. Reg. 170/03 notification level.

  The ministry document entitled "Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines", revised June 2006, contains the following entry for sodium:

  "The aesthetic objective for sodium in drinking water is 200 mg/L at which it can be detected by a salty taste. Sodium is not toxic. Consumption of sodium in excess of 10 grams per day by normal adults does not result in any apparent adverse health effects. In addition, the average intake of sodium from water is only a small fraction of that consumed in a normal diet. A maximum acceptable concentration for sodium in drinking water has, therefore, not been specified. Persons suffering from hypertension or congestive heart disease may require a sodium restricted diet. In which case, the intake of sodium from drinking water could become significant. It is therefore recommended that the measurement of sodium levels be included in routine monitoring programs

WATER QUALITY ASSESSMENT

of water supplies. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L, so that this information may be passed on to local physicians."

During the course of the inspection the undersigned evaluator/supervisor collected a treated water sample from a cold water tap in a staff room. That sample was submitted to the ministry's Laboratory Services Branch for bacteriological analysis. It was determined that the sample contained no presence of E. Coli or Total Coliform bacteria. A copy of the test result is appended to this report.

REPORTING & CORRECTIVE ACTIONS

* **All required notifications of adverse water quality incidents were provided to the Spills Action Centre and to the Medical Officer of Health.**

Since March 2007, there have been two instances where notifications of Adverse Water Quality Incidents (AWQIs) were necessary. Both instances (March 2007 and July 2012) were related to elevated sodium test results. The school board promptly alerted the ministry's Spills Action Centre and the local health unit of the March 19, 2007 and the July 25, 2012 sodium test results of 163.0 mg/L (AWQI No. 1-11QF-1) and 110.0 mg/L (AWQI No. 1-3LTO-6), respectively.

* **Corrective actions (as per Schedule 18) had not been taken to address adverse conditions, including any other steps as directed by the Medical Officer of Health.**

Subsection 18-13 of Schedule 18, O. Reg. 170/03 prescribes corrective action to be taken when an Adverse Water Quality Incident is required to be reported for sodium. The two prescribed corrective actions are:

1. Resample and test as soon as reasonably possible; and,

2. If a concentration of sodium that exceeds 20 milligrams per litre is detected under paragraph 1, take such other steps as are directed by the medical officer of health.

DWIS does not contain re-sample results for either the 2007 or the 2012 notification of elevated sodium test results.

Please note that in a written instruction dated July 31, 2012, Ottawa Public Health directed that, based on the reported elevated sodium treated water test result of 110.0 mg/L, people consuming water from St. Philip Catholic School must be informed that:

"The concentrations of Sodium in the water from St. Philip Catholic School are above the health-based advisory concentration of 20 mg/L. People who are on a Sodium-restricted diet or suffering from hypertension, congestive heart disease or kidney disease, should consult with their physician regarding the use of the water from these well supplies for consumption purposes."

It is the ministry's understanding that the Ottawa Catholic School Board has duly implemented Ottawa Public Health's direction. In conclusion, while the re-sample for sodium prescribed by O. Reg. 170/03 was not performed, the Ottawa Catholic School Board has apparently taken action to implement the July 2012 notification direction issued by Ottawa Public Health.

NON-COMPLIANCE WITH REGULATORY REQUIREMENTS AND ACTIONS REQUIRED

This section provides a summary of all non-compliance with regulatory requirements identified during the inspection period, as well as actions required to address these issues. Further details pertaining to these items can be found in the body of the inspection report.

1. **All sodium water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.**

   Approximately 64 months seperated the collection of treated water sodium samples in March 2007 and July 2012. Subsection 15-5 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for sodium.

   Action(s) Required:
   By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future sodium sample collections will conform with the required frequency set out in O. Reg. 170/03.

   The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

2. **All fluoride water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.**

   Approximately 64 months seperated the collection of treated water fluoride samples in March 2007 and July 2012. Subsection 15-6 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for fluoride.

   Action(s) Required:
   By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future fluoride sample collections will conform with the required frequency set out in O. Reg. 170/03.

   The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

3. **Corrective actions (as per Schedule 18) had not been taken to address adverse conditions, including any other steps as directed by the Medical Officer of Health.**

   Subsection 18-13 of Schedule 18, O. Reg. 170/03 prescribes corrective action to be taken when an Adverse Water Quality Incident is reported for sodium. The two prescribed corrective actions are:

   1. Resample and test as soon as reasonably possible; and,

   2. If a concentration of sodium that exceeds 20 milligrams per litre is detected under paragraph 1, take such other steps as are directed by the medical officer of health.

   DWIS does not contain re-sample results for either the 2007 or the 2012 notification of elevated sodium test results.

   Action(s) Required:
   By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that O. Reg. 170/03 prescribed corrective actions will be implemented in their entirety for all incidents where a report is required to be made under section 18 of the Safe Drinking Water Act.

   The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

SUMMARY OF BEST PRACTICE ISSUES AND RECOMMENDATIONS

This section provides a summary of all best practice issues identified during the inspection period. Details pertaining to these items can be found in the body of the inspection report. Best Management Practices are recommendations and not mandatory requirements, but may lead to safe drinking water for the consumer.

In the interest of continuous improvement in the interim, it is recommended that owners and operators develop an awareness of the following practices and consider measures to implement them so that all drinking water systems continuously improve their processes.

Not Applicable

SIGNATURES

Inspected By:	Signature: (Provincial Officer):
MOE KINGSTON DISTRICT	J Mahoney

Reviewed & Approved By:	Signature: (Supervisor):
James Mahoney	J Mahoney

Review & Approval Date: 03/12/2012 (dd/mm/yyyy)

Note: This inspection does not in any way suggest that there is or has been compliance with applicable legislation and regulations as they apply or may apply to this facility. It is, and remains, the responsibility of the owner and/or operating authority to ensure compliance with all applicable legislative and regulatory requirements.

APPENDIX A

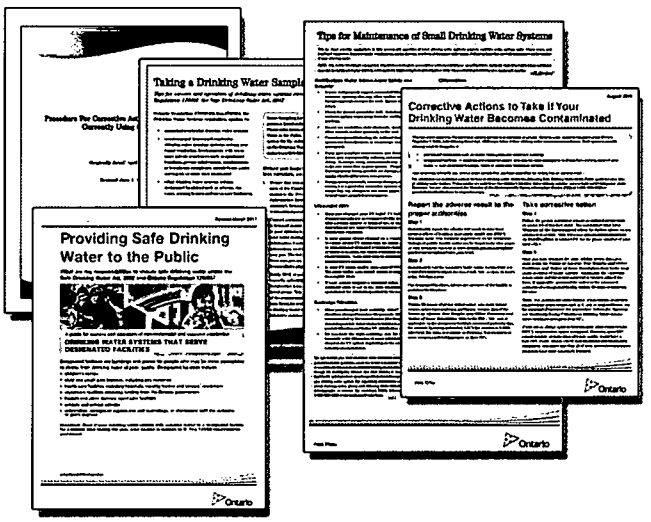
STAKEHOLDER SUPPORT

Key Reference and Guidance Material for Drinking Water Systems Serving Designated Facilities

Many useful materials are posted on the Ministry of the Environment's **Drinking Water Ontario** website at **www.ontario.ca/drinkingwater** to help in the operation of your drinking water system.

Below is a list of key materials frequently used by owners and operators of drinking water systems serving designated facilities. To read or download these materials, go to **Drinking Water Ontario** and search in the **Resources** section by **Publication Number**.

Visit **Drinking Water Ontario** for more useful materials. Contact the Public Information Centre if you need assistance or have questions at 1-800-565-4923/416-325-4000 or **picemail.moe@ontario.ca**.



PUBLICATION NUMBER	PUBLICATION TITLE
5361e01	Providing Safe Drinking Water to the Public: A Guide for Owners and Operators of Non-Residential and Seasonal Residential Drinking Water Systems that Serve Designated Facilities
5744e	Taking a Drinking Water Sample for Testing – Tips for Owners and Operators of Drinking Water Systems Covered by Ontario Regulation 170/03
7780e	Tips for Maintenance of Small Drinking Water Systems
7775e	Corrective Actions to Take if Your Drinking Water Becomes Contaminated
0000	Drinking Water Systems Serving Designated Facilities – Keeping Track Schedules and Sample Logs
7128e	Drinking Water System Contact List
4448e01	Procedure for Disinfection of Drinking Water in Ontario
4414e01	Procedure for Corrective Action for Systems Not Currently Using Chlorine
6969e	Protecting Groundwater to Protect Health
6555e	Required Qualifications to Operate, Test or Sample Drinking Water Systems Under the Safe Drinking Water Act, 2002
4449e01	Technical Support Document for Ontario Drinking Water Standards, Objectives and Guidelines
5748e	Steps to Become a Trained Person

PIBS 8989b

000063

APPENDIX B

AUDIT SAMPLE RESULTS

202 Program: MOE OPERATIONS DIVISION
Study: WATER, COMMUNAL
Project: EASTERN REGION - KINGSTON DIST
Activity: WTP NON-MUNIC INSP./ADVERSE
Organization:

Mail this copy to : DEBARROS, CAROL
MOE - KINGSTON DISTRICT OFFICE
BOX 22032
KINGSTON,ONT
K7M 8S5

MAHONEY, JIM
DEBARROS, CAROL

e by : DAVE MORSE Manager, Organic Contaminants Section Approved date : Dec. 03, 2012

s to : TERESA SWITZER Telephone : 416-235-5863
PETER DROUIN Telephone : 416-235-5850

N: 260015574 ST. PHILIP CATHOLIC SCHOOL WS JAMES MAHONEY 613-548-6902

y to items tested.

service feedback on this report and/or other services provided by LaSB, please contact the LaSB HelpDesk at 416-235-6030 or the Customer Service Manager at 416-235-5831

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7401

101

equested:

PA3226

Sample Location Description	Sampling Date	Time	Zone	Sampler Information
TREATED WATER	27 NOV 2012	09:10	5	

Sample Comment Description

hing	Collection Method	Map Datum	Accuracy (metres)
922	ADDRESS-MATCHING	NAD83	101-500M

Field ID:	JM01
Sample ID:	C199316-0001
MOE*LIMS ID:	2012WD48-00089
Station ID:	2600155747401
Collect Date:	27,NOV,2012
ocation Description:	TREATED WATER
mments Description:	

ıe	Value	Units	Qual	Rmk1
liforms	See Non-Target Textual result			

SCRIPTION

DATA: ABSENT NT: TOTAL COLIFORMS
DATA: NOT DETECTED NT: DETERIORATION INDICATORS
DATA: ABSENT NT: ESCHERICHIA COLI

AL RESULT

)001	Listid : 3226L1	Parmname : NT: Total Coliforms	Value:	Units: c/100mL	Qual: NDAT	Remarks:
)001	Listid : 3226L1	Parmname : NT: Escherichia coli	Value:	Units: c/100mL	Qual: NDAE	Remarks:
)001	Listid : 3226L1	Parmname : NT: Deterioration Indicators	Value:	Units: c/100mL	Qual: NDDN	Remarks:

on

Matrix	Method	Product	Analytical Department	Completion Date
WD	E3226A	PA3226	6510	30-NOV-12

mary

lethod Description	Status	Status Description
HE DETECTION OF COLIFORM BACTERIA INCLUDING ESCHERICHIA OLI IN DRINKING WATER BY THE PRESENCE-ABSENCE PROCEDURE	ROUTINE	Method has been fully validated, is deemed fit for purpose and has the associated Uncertainty information available upon request

ST. PHILIP CATHOLIC SCHOOL WS
DWS # 260015574
SI-OT-OT-MA-540 (2012)

Mahoney, James (ENE)

From: Mahoney, James (ENE)
Sent: December 13, 2012 2:49 PM
To: 'Holly Glofcheskie'
Subject: RE: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report

Holly ...

The 60 month sampling frequency would be linked to the initial sample collection (i.e. July 2012). You'll probably want to synchronize your sodium 60 month sampling to coincide with your fluoride, and Schedule 23, and 24 sampling; that way, all of the 60 month frequency monitoring can be done at the same time.

Jim Mahoney

From: Holly Glofcheskie [mailto:holly@brownleewaterquality.com]
Sent: December 13, 2012 1:30 PM
To: Mahoney, James (ENE)
Subject: RE: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report

Good Afternoon Mr. Mahoney,

We re-sampled the sodium at St. Philips on December 5, 2012.

I just have a quick question in regards to the next 5 year testing.

We did the initial Na Sample in July and the re-sample in Dec so which date would I use to schedule the next 5 year test?

Thanks

Holly Glofcheskie
Brownlee Water Quality Management
613.692.2062

From: Mahoney, James (ENE) [mailto:James.Mahoney@ontario.ca]
Sent: December-03-12 4:06 PM
To: michael.blood@ocsb.ca
Cc: gerard.sancartier@ocsb.ca; holly@brownleewaterquality.com; Sherry.Beadle@ottawa.ca; Mitchell, Steven (EDU)
Subject: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report

Michael Blood,
Coordinator of Maintenance
Ottawa Catholic School Board

Dear Mr. Blood,

Please find attached an electronic copy of the report documenting findings of a drinking water system inspection performed at the St. Philip Catholic School on November 27, 2012.

The Ministry of the Environment continues to circulate its drinking water system inspection reports in an electronic format as opposed to traditional hard-copy mail outs. This step has been taken to minimize environmental impact associated with our documentation of inspection findings. In addition, many clients have indicated a preference for receiving electronic copies of our inspection reports since they provide greater flexibility in records storage and information sharing.

The attached file opens with a covering letter that draws your attention to "actions required" cited within the inspection report.

New to the inspection report layout this year is the inclusion of a Stakeholder Support appendix (Appendix "A"). This addition has been made to promote awareness of the Drinking Water Ontario website at www.ontario.ca/drinkingwater with particular reference to key outreach publications that are downloadable free-of-charge. While the twelve publications specifically cited in the appendix are those that are most frequently accessed by owners and operators of drinking water systems servicing designated facilities, you will find many other useful support materials available through the website.

Please respond to this e-mail to confirm your receipt of the inspection report.

Should you have any questions please do not hesitate to call me.

Jim Mahoney
Supervisor
Ministry of the Environment
Safe Drinking Water Branch
Kingston-Ottawa-Cornwall Offices
Phone: (613) 548-6902
Email: james.mahoney@ontario.ca

Mahoney, James (ENE)

From: Mahoney, James (ENE)
Sent: December 13, 2012 3:04 PM
To: 'Holly Glofcheskie'
Cc: Primeau, Charlie (ENE)
Subject: RE: St. Philip Drinking Water Inspection Report

Holly ...

I am writing to confirm that the corrective actions taken by Brownlee Water Quality Management Inc. have satisfied all of the required actions cited in the St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report.

Jim Mahoney
Supervisor
Ministry of the Environment
Safe Drinking Water Branch
Kingston-Ottawa-Cornwall Offices
Phone: (613) 548-6902
Email: james.mahoney@ontario.ca

From: Holly Glofcheskie [mailto:holly@brownleewaterquality.com]
Sent: December 13, 2012 2:57 PM
To: Mahoney, James (ENE)
Subject: RE: St. Philip Drinking Water Inspection Report

Thanks Jim,

I have attached the letter for written confirmation in regards to the actions required in your system inspection.

Please let me know if this meets the requirements and that we can close the inspection report.

Thank You

Holly Glofcheskie
Brownlee Water Quality Management
613.692.2062



Specializing in Government Regulated Clients
BROWNLEE
Water Quality
MANAGEMENT INC.
(613) 692-2062 • Fax: (613) 692-1692 • info@brownleewaterquality.com www.brownleewaterquality.com

Ministry of the Environment
Safe Drinking Water Branch
1259 Gardiners Road
Kingston, Ontario
K7M 8S5

Attention: James Mahoney

December 13, 2012

Re – St. Philip Catholic School Well Supply Actions Required

This letter is to comply with the "Non-Compliance with Regulatory Requirements and Actions Required" as per the inspection report for St. Philip Catholic School.

1. **All sodium water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.**
2. **All fluoride water quality monitoring requirements prescribed by legislation were not conducted within the required frequency.**
3. **Corrective actions (as per Schedule 18) had not been taken to address adverse conditions, including any other steps as directed by the Medical Officer of Health.**

This is a written confirmation that the 60 month testing (Schedule 23/24) required under O.Reg170 will be conducted within the required time frame in the future. Schedule 23/24 was taken on March 28, 2012 and will again be taken in June 2017. (With a maximum of 90 days before or after the anniversary sample date) Also, the Sodium and Fluoride testing was done July 25, 2012 and will be taken again in June 2017. (With a maximum of 90 days before or after the anniversary sample date)

As for corrective actions to address the adverse sodium, we have re-sampled the sodium on December 5, 2012 and the results are attached to this letter.

Holly Glofcheskie
Brownlee Water Quality Management.

Client: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
79 Maitland St.
Richmond, ON
K0A 2Z0
Attention: Mr. Michael Blood
PO#:
Invoice to: Brownlee Water Quality Management

Report Number: 1226533
Date Submitted: 2012-12-05
Date Reported: 2012-12-12
Project: St Philip
COC #: 29171
Waterworks/Facility: 260015574

Dear Michael Blood:

Please find attached the analytical results for your samples. If you have any questions regarding this report, please do not hesitate to call (613-727-5692).

Report Comments:

Lorna Wilson
2012.12.12
15:20:25 -05'00'

APPROVAL: _____

Lorna Wilson
Inorganic Laboratory Supervisor

Exova (Ottawa) is certified and accredited for specific parameters by:
CALA, Canadian Association for Laboratory Accreditation (to ISO 17025), OMAF, Ontario Ministry of Agriculture, Food and Rural Affairs (for farm soils), Licensed by Ontario MOE for specific tests in drinking water.

Exova (Mississauga) is accredited for specific parameters by:
SCC, Standards Council of Canada (to ISO 17025)

Please note: Field data, where presented on the report, has been provided by the client and is presented for informational purposes only.

Client: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
79 Maitland St.
Richmond, ON
K0A 2Z0
Attention: Mr. Michael Blood
PO#:
Invoice to: Brownlee Water Quality Management

Report Number: 1226533
Date Submitted: 2012-12-05
Date Reported: 2012-12-12
Project: St Philip
COC #: 29171
Waterworks/Facility: 260015574

				Lab I.D.	1002339
				Sample Matrix	Supply Water
				Sample Type	TREATEDWATER
				Sampling Date	2012-12-05
				Sample I.D.	St Philips - Na
Group	**Analyte**	**MRL**	**Units**	**Guideline**	
Metals	Na	2	mg/L	MAC-20	178*

Guideline = MOE REG. 170/03 *** = Guideline Exceedence**
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Client: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
79 Maitland St.
Richmond, ON
K0A 2Z0
Attention: Mr. Michael Blood
PO#:
Invoice to: Brownlee Water Quality Management

Report Number: 1226533
Date Submitted: 2012-12-05
Date Reported: 2012-12-12
Project: St Philip
COC #: 29171
Waterworks/Facility: 260015574

QC Summary

Analyte	Blank	QC % Rec	QC Limits
Run No 243551 **Analysis Date** 2012-12-12 **Method** M SM3120B-3500C			
Na	<2 mg/L	96	80-120

Guideline = MOE REG. 170/03 *** = Guideline Exceedence**
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Client: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
79 Maitland St.
Richmond, ON
K0A 2Z0
Attention: Mr. Michael Blood
PO#:
Invoice to: Brownlee Water Quality Management

Report Number: 1226533
Date Submitted: 2012-12-05
Date Reported: 2012-12-12
Project: St Philip
COC #: 29171
Waterworks/Facility: 260015574

Sample Comment Summary

Sample ID: 1002339 St Philips - Na Previous AWQI#107601 reported July 31, 2012.

Guideline = MOE REG. 170/03 *** = Guideline Exceedence**
** = Analysis completed at Mississauga, Ontario.
Results relate only to the parameters tested on the samples submitted.
Methods references and/or additional QA/QC information available on request.

MRL = Method Reporting Limit, AO = Aesthetic Objective, OG = Operational Guideline, MAC = Maximum Acceptable Concentration, IMAC = Interim Maximum Acceptable Concentration, STD = Standard, PWQO = Provincial Water Quality Guideline, IPWQO = Interim Provincial Water Quality Objective.

Mahoney, James (ENE)

From: Holly Glofcheskie <holly@brownleewaterquality.com>
Sent: December 13, 2012 2:57 PM
To: Mahoney, James (ENE)
Subject: RE: St. Philip Drinking Water Inspection Report
Attachments: St. Philips Inspection Letter.pdf; 121205 Na Adverse.pdf

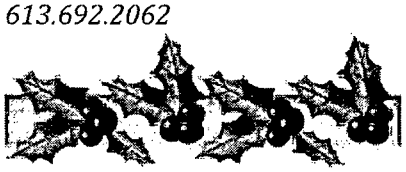
Thanks Jim,

I have attached the letter for written confirmation in regards to the actions required in your system inspection.

Please let me know if this meets the requirements and that we can close the inspection report.

Thank You

Holly Glofcheskie
Brownlee Water Quality Management
613.692.2062



St. Philip Catholic School
DWS # 260015574
S1-OT-OT-MA-540 (2012)

Nov 27
2012

St. Philip Catholic School Site Inspection

79 Maitland St
Richmond, ON

Jeff Black, Head Caretaker &
Keith Brownlee

Key Questions:

* Has the Owner/Operator used any of the Printed Ministry Drinking Water Educational Materials

* Are Required Documents Made Available Free-of-Charge During Normal Business Hours At A Location Accessible To The Public?

* If the System was Shut-Down/Closed for a Period of Seven or More Consecutive Days, was Microbiological Sampling Conducted and the Results Received Before Drinking Water was Supplied To Consumers After That Period?

09:05hr - met Chief Caretaker Jeff Black who directed me to a staff/resource room where I collected a treated water sample at 09:10 hrs
- Jeff Black removed tap aerator and tap ran for at least 2 minutes prior to sample collection
- there was no chlorine residual test as there is no chlorine used at the school (ie

UV treatment only)

- water treatment equipment installed:
  - Ecowater Water Softener
  - 2x Trojan UV Max Systems
  - 2x 5 micro cartridge filters
  - UV units running in parallel (will operate on one system - currently both on)
  - pressure gauges across both cartridge filters
  - spare cartridge filters on hand.
  - quarterly servicing / replacement of filters
  - UV lamps changed out every year
  - extra UV sensor, lamps, and sleeves on-hand
  - approx 10 minute backup power.

- "Fusion" brand filter - carbon based to remove sulphur smell
  - backwashes automatically for 15 minutes on a timed cycle. (every 3 days?) - cylinder based - not cited in the EER (aesthetic issue)
- Brantlee Water Quality Management prepares binder for the St. Philip Catholic School
  - includes tabs for Contact Info & Operator Certificates / Engineer's Rpt / Lab Results / Water Testing / Equipment Manuals, inspections and regulations

- includes schedule for maintenance / sampling for the calendar year
- includes Subcontracting Permission Form for Exova / Accutest
- includes exceedance report July 2012 for sodium
- includes certificates of analysis
- includes monthly sampling and testing record prepared by Brantees
    - form cites date, time, sample type, parameters, sample location, chain of custody number and initials of operator

- includes System Inspection Record form prepared by Brantees
    - form cites date, time, UV system intensity, lamp days, and solenoid check for each unit
    - water softener salt level, hardness, & timer check
    - filters - psi pre & post
    - signature of operator and a supplies/notes column
- System inspections undertaken monthly with more intensive maintenance quarterly and annually

- contains a copy of O.Reg 170/03 (effective July 1, 2010) drawn from e-laws

- includes equipment manuals for the
  - EcoWater water softener
  - Fusion^2 - Advanced Water Conditioner by Waterite Technologies (www.waterite.com)
  - Trojan UVMax Pro Series

- binders "refreshed" annually - previous year's records provided to the school for long-term storage

- Annual Reports prepared by Brownlee for the school board.

- custodians have access to the binders prepared by Brownlee maintained in Boiler Room should inquiries be made from the public

- well casing extends approx 16" above ground surface in a small fenced enclosure/alcove between wings of the school
  - approx 6" diameter steel casing capped securely with vermin-proof cap
  - fairly flat area in close proximity to [illegible] bush

- small shed (garden shed) situated at entrance to alcove - appx 20' slightly downhill of well and situated atop ashpalt paving
- school is located within the Village of Richmond surrounded by residential property, a grave yard, and a church
- samples continue to be collected over the summer months and water run if UV units show indication of overheating - Brownlee conclusion that the school is never "closed" for a period exceeding seven days

- if UV system fails the unit shuts down and an audible alarm is sounded with an alarm display in the administrative office and an alarm monitoring company

- Minor role for caretaker - advise of maintenance observations & guide public to water quality information required to be made available to the public

10:36 NS - left St. Philip School to return to Kingston and submit treated water sample to the MOE lab for bacti analyses

S1-OT-OT-MA-540 (2012)
DWS 260015574

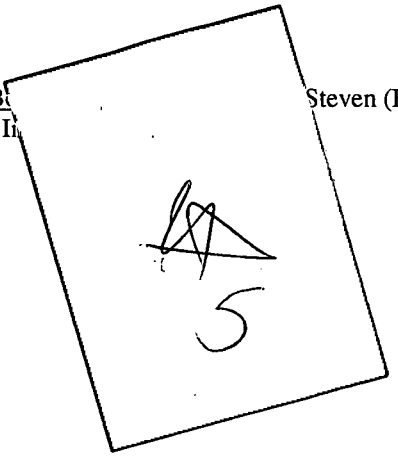
Mahoney, James (ENE)

From: Holly Glofcheskie <holly@brownleewaterquality.com>
Sent: December-04-12 9:31 AM
To: Mahoney, James (ENE)
Subject: Read: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report
Attachments: ATT608981.txt

Your message

To: michael.blood@ocsb.ca
Cc: gerard.sancartier@ocsb.ca; holly@brownleewaterquality.com; Sherry.B[illegible] Steven (EDU)
Subject: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water I[illegible]
Sent: 03/12/2012 4:06 PM

was read on 04/12/2012 9:30 AM.



From: Holly Glofcheskie
To: Mahoney, James (ENE)
Subject: St. Philip Inspection Request Information
Date: November-27-12 11:55:04 AM
Attachments: sodiumexceedanceSt Philip.pdf
Importance: High

Good Morning Mr. Mahoney,

I'm sorry I didn't get back to you sooner but at the moment I am only in the office Tuesday to Thursday.

I know that you already had the Inspection for St. Philip's this morning with Keith so I am not sure if you addressed these issues with him or not but I can fill you in on them.

1. The first issue revolves around the sample collection frequency for sodium and fluoride

   It was an over-sight on the sampling time frame on our part.

2. The second issue revolves around the apparent absence of resamples for sodium test results exceeding 20 mg/L in 2007 and 2012

   When we sampled for sodium, we were informed by the Heath Unit that since this school always has a sodium exceedance and that the parents are informed in a school newsletter that we would not have to re-sample for sodium. I have attached the letter issued from the Health Inspector.

   (We took over as operators in 2010, so I am not sure as to why there was no re-sample taken for the sodium exceedance in 2007)

   However, after the MOE Inspection at St. Isidore last month, we have been informed that we must resample even if the Health Inspector says not too. (Due to the fact that it states this in the Regualtion)I believe that since we found that out last month we were going to take the second NA sample this month at St. Philips.

Holly Glofcheskie
Brownlee Water Quality Management
613.692.2062

From: Mahoney, James (ENE) [mailto:James.Mahoney@ontario.ca]

Sent: November-23-12 9:09 AM
To: Holly Glofcheskie
Cc: deBarros
Subject: RE: St. Philip Inspection Request Information

Holly ...

As arranged, I'll be visiting the St. Philip Catholic School in Richmond on Tuesday next week to initiate a compliance review.

From a preliminary review of ministry data and the information Brownlee Water Quality Management has provided there are two issues that may arise from my assessment. I wanted to provide an opportunity for Brownlee Water Quality Management to investigate prior to my drafting of an inspection report.

The first issue revolves around the sample collection frequency for sodium and fluoride. It appears that the two most recent sample collections were in March 2007 and July 2012. While the required sampling frequency for sodium and fluoride is once every 60 months it appears that the sample sets were separated by 64 months. I assume that this is a simple one-time oversight but I want to make certain that there were no additional samples collected within the required 60 month sample collection frequency that somehow are not reflected in the ministry's Drinking Water Information System (DWIS).

The second issue revolves around the apparent absence of resamples for sodium test results exceeding 20 mg/L in 2007 and 2012. Subsection 18-13 of Schedule 18, O. Reg. 170/03 prescribes that the corrective action includes resampling. Again, I want to make certain that there were resamples collected in 2007 and 2012 that somehow were not uploaded into the ministry's DWIS.

Jim Mahoney
Ministry of the Environment
Safe Drinking Water Branch
Kingston-Ottawa-Cornwall Offices
Office Phone: (613) 548-6902
Cell: (613) 453-9724
Email: james.mahoney@ontario.ca

From: Holly Glofcheskie [mailto:holly@brownleewaterquality.com]
Sent: November-07-12 10:34 AM
To: Mahoney, James (ENE)
Subject: St. Philip Inspection Request Information

Good Morning Mr. Mahoney,

Attached are the annual reports and our operator certificates as requested for the upcoming

system inspection at St. Philips Catholic School.

I also attached a partial engineer's report but I'll contact Golder and get the full one for you as well.

If you need anything else please let me know. If you would like them, I also can email you copies any lab reports.

Have a Great Day

Holly Glofcheskie
Brownlee Water Quality Management
613.692.2062

Ottawa | Public Health
Santé publique

July 31, 2012

Holly Glofcheskie
St. Philip Catholic School
79 Maitland Street, Richmond
Ottawa, ON
K0A 2Z0

Re: Sodium Exceedance, DWS #260015574
St. Philip Catholic School
79 Maitland Street, Richmond,
Ottawa, ON
K0A 2Z0

Dear Ms. Glofcheskie.

The results of the analyses of water samples taken from the above noted well supply on July 31, 2012 show the presence of Sodium in the drinking water at concentration(s) of 110 mg/L. This concentration is higher than the health-based advisory concentration for Sodium in drinking water of 20 mg/L (milligrams per litre).

People consuming the water from the above noted well supplies must be informed that:

The concentrations of Sodium in the water from St. Philip Catholic School are above the health-based advisory concentration of 20 mg/L. People who are on a Sodium-restricted diet or suffering from hypertension, congestive heart disease or kidney disease, should consult with their physician regarding the use of the water from these well supplies for consumption purposes.

If you have any questions regarding this letter, please contact Public Health Inspector, Lise Arseneau at 613 580-6744 ext. 26305 or myself.

Yours truly,

Franco Pagani
Supervisor,
Ottawa Public Health,
613-580-6744 (extension #26327)

c.c. File

SI-OT-OT-MA-540 (2012)

Ontario

Ministry of the Environment

INCIDENT REPORT

DW System

Name: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Address: 79 MAITLAND ST, RICHMOND, K0A 2Z0, Canada

District Office: Kingston District

DWS #: 260015574

DWS Category: Small Non-Municipal Non-Residential

DWS Owner

Name: OTTAWA CARLETON CDSB

Mailing Address: 570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4

Phone: (613) 224-4455

Fax:

Email:

Clie

Already have copy Do not scan

MOE Information

Incident Report #: 1-AGPBM

Master Inci #:

AWQI #:

Master AWQI

Date & Time Reported to MOE: November 27, 2012 02:14:03 PM

Office Receiving Incident Report: KINGSTON DISTRICT

Incident Info Received By: JAMES MAHONEY

Incident Type: Inspection Non-Compliance

Referring Inspection Report #: 1-AAFSW

Incident Summary: 2012-2013 Inspection Non-Compliance

MOE Response: No Further Response

Date & Time MOE Arrival: November 27, 2012 02:21:21 PM

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Description	Created By
November 27, 2012 02:29:30 PM	On November 27, 2012, James Mahoney visited the St. Philip Catholic School for the purpose of completing a compliance assessment. James Mahoney was accompanied by Custodian Jeff Black and Keith Brownlee of Brownlee Drinking Water Quality Management Inc. Through on-site discussion with Keith Brownlee and information exchanges with Holly Glockenspiel of Brownlee Water Quality Management it was confirmed that a monitoring oversight occurred resulting in the late collection of the 2012 sodium and fluoride sample. Brownlee Water Quality Management also acknowledged that sodium re-sampling had not occurred in the aftermath of the 2012 adverse test result and that corrective action in the future would include re-sampling for sodium exceedances. Brownlee Water Quality Management Inc. has implemented measures to ensure that the non-compliance issues cited in the inspection report do not recur.	MAHONEJA
November 29, 2012 02:37:56 PM	Inspection findings have been documented in LWIS Inspection Report 1-AAFSW. Although the inspection report provided a due date for communication of corrective measures Brownlee Water Quality Management Inc.'s Holly Glofcheskie, in an e-mail addressed to James Mahoney on November 27, 2012 had already acknowledged the errors and committed the company to modified actions in the future.	MAHONEJA

Offences

Suspected Violations(s)/Offences(s)

Provision/Provision Wording: O.Reg. 170/03 18-0

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Subsection 18-13 of Schedule 18, O. Reg. 170/03 prescribes corrective action to be taken when an Adverse Water Quality Incident is reported for sodium. The two prescribed corrective actions are:

1. Resample and test as soon as reasonably possible; and,

2. If a concentration of sodium that exceeds 20 milligrams per litre is detected under paragraph 1, take such other steps as are directed by the medical officer of health.

DWIS does not contain re-sample results for either the 2007 or the 2012 notification of elevated sodium test results.

Actions/Recommendations:

Offences

Suspected Violations(s)/Offences(s)

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that O. Reg. 170/03 prescribed corrective actions will be implemented in their entirety for all incidents where a report is required to be made under section 18 of the Safe Drinking Water Act.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Provision/Provision Wording: O.Reg. 170/03 15-5

15-5. The owner of a drinking water system and the operating authority for the system shall ensure that at least one water sample is taken every 60 months and tested for sodium.

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Approximately 64 months seperated the collection of treated water sodium samples in March 2007 and July 2012. Subsection 15-5 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for sodium.

Actions/Recommendations:

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future sodium sample collections will conform with the required frequency set out in O. Reg. 170/03.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Provision/Provision Wording: O.Reg. 170/03 15-6

15-6. The owner of the system and the operating authority for the system shall ensure that at least one water sample is taken at least once every 60 months and tested for fluoride.

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Approximately 64 months seperated the collection of treated water fluoride samples in March 2007 and July 2012. Subsection 15-6 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for fluoride.

Actions/Recommendations:

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future fluoride sample collections will conform with the required frequency set out in O. Reg. 170/03.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Caller/PO Information

Contact Name:

Company:

Telephone #:

Fax Number:

Email Address:

Mailing Address:

Provincial Officer

Name: ~~Annette Sterling~~

Badge #: 1293

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: November 29, 2012

Signature: J Mahoney

Supervisor

Name: James Mahoney

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: November 29, 2012

Signature: J Mahoney

Mahoney, James (ENE)

From: Michael Blood <michael.blood@ocsb.ca>
Sent: December-04-12 8:39 AM
To: Mahoney, James (ENE)
Cc: gerard.sancartier@ocsb.ca; holly@brownleewaterquality.com; Sherry.Beadle@ottawa.ca; Mitchell, Steven (EDU)
Subject: Re: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report

Hi James,

We acknowledge receipt of this report and will review and attend to the required actions as appropriate.

Thank you to you and your staff for your services to our school community.

A little early perhaps, but *Season's Greeting* and have a safe holiday.

Best wishes,

Michael

On Mon, Dec 3, 2012 at 4:06 PM, Mahoney, James (ENE) <James.Mahoney@ontario.ca> wrote:

Michael Blood,

Coordinator of Maintenance

Ottawa Catholic School Board

Dear Mr. Blood,

Please find attached an electronic copy of the report documenting findings of a drinking water system inspection performed at the St. Philip Catholic School on November 27, 2012.

The Ministry of the Environment continues to circulate its drinking water system inspection reports in an electronic format as opposed to traditional hard-copy mail outs. This step has been taken to minimize environmental impact associated with our documentation of inspection findings. In addition, many clients have indicated a preference for receiving electronic copies of our inspection reports since they provide greater flexibility in records storage and information sharing.

The attached file opens with a covering letter that draws your attention to "actions required" cited within the inspection report.

New to the inspection report layout this year is the inclusion of a Stakeholder Support appendix (Appendix "A"). This addition has been made to promote awareness of the Drinking Water Ontario website at www.ontario.ca/drinkingwater with particular reference to key outreach publications that are downloadable free-of-charge. While the twelve publications specifically cited in the appendix are those that are most frequently accessed by owners and operators of drinking water systems servicing designated facilities, you will find many other useful support materials available through the website.

Please respond to this e-mail to confirm your receipt of the inspection report.

Should you have any questions please do not hesitate to call me.

Jim Mahoney

Supervisor

Ministry of the Environment

Safe Drinking Water Branch

Kingston-Ottawa-Cornwall Offices

Phone: (613) 548-6902

Email: james.mahoney@ontario.ca

--

Michael Blood
Ottawa Catholic School Board

570 West Hunt Club Rd.
Ontario, Canada K2G 3R4
Tel: 613-224-4455 ext 2315
Fax: 613-224-2353
Email:michael.blood@ocsb.ca

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The Ottawa Catholic School Board encourages you to think 'Green'.
Please consider the environment before printing this email. Thank you.

Mahoney, James (ENE)

From: Michael Blood <michael.blood@ocsb.ca>
Sent: December-04-12 8:39 AM
To: Mahoney, James (ENE)
Subject: Read: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report
Attachments: ATT602643.txt

Your message

To: Michael Blood
Subject: St. Philip Catholic School (Richmond) 2012-2013 Drinking Water Inspection Report
Sent: 12-12-03 4:06:15 PM EST

was read on 12-12-04 8:39:28 AM EST

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021 - Drinking Water System Dossier for 260015574

as of 17-OCT-2012

Drinking Water System Profile Information

DWS #	260015574
Registration Date (yyyy/mm/dd)	2003/04/15
DWS Expiry Date (yyyy/mm/dd)	
MOE Assigned Name	St. Philip Catholic School Well Supply
Category	SNMNRS
Regulation Short Name	O.REG 170/03
DWS Type	Well Supply
Source Type	Ground Water
Address	79 Maitland Street, Richmond, Ontario, Canada, K0A 2Z0
Region	Eastern Region
District	Kingston District
Municipality	Greater Napanee
Public Health Unit	Kingston, Frontenac And Lennox And Addington Health Unit

Ottawa Catholic District School Board
570 West Hunt Club Rd
Nepean K2G 3R4
- Brownlee Water Quality

DWS OPERATIONAL INFORMATION

Concession Plan Number	
Lot	
Geographic Township	
Population:	
Number of Private Residences:	
Number of Service Connections:	1
Rated Daily Capacity (L/S)	2.8
Number of DFs Served:	1
LSN Compliance Status:	*Complete LSN*
Date of Last Sample (as per DWIS)	*26 September, 2012*
24/7 Contact	Michael Blood, Co-Ordinator Of Maintenance/Facilities
24/7 Contact Info	p: (613)2244455 x2315, f: (613)2242353, e: Michael_Blood@occdsb.on.ca, c: - , pg: -

500000859
- Michael Blood
Coordinator of Maintenance
michael.blood@ocsb.ca
- Gerry Sarcartier
(613) 241-4455 x 2300
gerard.sarcartier@ocsb.ca

DWS OWNER INFORMATION

Owner Legal Name	Ottawa Carleton Cdsb
Owner Business Name	Ottawa Carleton Cdsb
Owner Address	570 West Hunt Club Rd ,Nepean,Ontario,K2G 3R4
Owner Contact	Michael Blood, Co-Ordinator Of Maintenance/Facilities
Owner Contact Info	p: (613)2244455 x2315, f: (613)2242353, e: Michael_Blood@occdsb.on.ca
Owner Alternate Contact	
Owner Alternate Contact Info	

DWS OPERATING AUTHORITY INFORMATION

Op. Authority Legal Name	Brownlee Water Quality Management Inc.
Op. Authority Business Name	Brownlee Water Quality Management Inc.
Op. Authority Address	5431 North Riverside Dr ,Manotick,Ontario,K4M 1H2
Op. Authority Contact	Debbie Mayhew, President
Op. Authority Contact Info	p: (613)6922062, f: (613)6921692, e: debbie@brownleewaterquality.com
Op. Authority Alternate Contact	Keith Brownlee, Owner/Operator
Op. Authority Alternate Contact Info	p: (613)6922062, f: (613)6921692, e: keith@brownleewaterquality.com

WLIS PROFILE INFORMATION

Municipal DWS ID	
Municipal DWS Name	n/a
Municipal DWS Owner ID	

021 - Drinking Water System Dossier for 260015574

as of 17-OCT-2012

Designated Facility (Count: 1)

DF Name	DF Type	Interested Authority Name	DF Address
St. Philip Catholic School	School	Ministry Of Education	

DWIS Components

WELL

DWIS Component Name	GUDI Flag	Seasonal Flag	Treatment Process	Primary Treatment Flag	Secondary Treatment Flag
groundwater	N	N			

ENTRY POINT

DWIS Component Name	GUDI Flag	Seasonal Flag	Treatment Process	Primary Treatment Flag	Secondary Treatment Flag
TREATED: groundwater			CHLORINATION	Y	Y

DISTRIBUTION SYSTEM

DWIS Component Name	GUDI Flag	Seasonal Flag	Treatment Process	Primary Treatment Flag	Secondary Treatment Flag
DISTRIBUTION:ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY					

LWIS Components

LWIS Component Name	Station ID Number	Latitude	Longitude	UTM Zone	UTM_Easting	UTM Northing	Component Address	Comments 1
Moe Dws Mapping				18	434333	5003922		

AWQI Incidents (includes current FY and 5 previous FY)

Date of Incident	Incident Report #	Notification #	Incident Summary	File Status	Incident Lab Name	AWQI Sample Parameter
2012/07/31	1-3LTO-6	107601	Sodium = 110 mg/L. 2012/07/31 13:55 sect 1,3 rec'd. 2012/07/31 14:38 sect 2a rec'd	Incident Closed	Exova Canada [2306] - Ottawa	Sodium

Inspection(s) Records (includes current FY and 5 previous FY)

Inspection Date	Date Inspection Completed	Inspection Fiscal Year	Inspection File Status	Field Inspection Type	Inspection Type	Pesticide Sampling Indicator	Number of Violations	Number of Confirmed Deficiencies	Inspection Report #	Final Inspection Rating
		2012-2013	Inspection Assigned	Df Focused	Announced	No	0	0	1-AAFSW	

Additional

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Ethylbenzene	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2009-07-03	Exova Canada [2306] - Ottawa
Iron	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2009-07-03	Exova Canada [2306] - Ottawa
Manganese	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2009-07-03	Exova Canada [2306] - Ottawa
Toluene	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2009-07-03	Exova Canada [2306] - Ottawa
Xylene (Total)	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2009-07-03	Exova Canada [2306] - Ottawa

Inorganic Chemical

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Antimony	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Arsenic	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Barium	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Boron	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Cadmium	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Chromium	2004-11-17	Maxxam Analytics Inc. - Mississauga

Laboratory Service Notification (LSN) Information

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Chromium	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Fluoride	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Lead	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Mercury	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Nitrate (As Nitrogen)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Nitrate + Nitrite (As Nitrogen)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Nitrite (As Nitrogen)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Selenium	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Sodium	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Sodium	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Uranium	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa

Microbiological

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Escherichia Coli	2008-02-18	Accutest - Bodycote Laboratory (Kingston)
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Accutest - Bodycote Laboratory (Kingston)
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2009-07-03	Exova Canada [2305] - Kingston
	2009-07-03	Exova Canada [2306] - Ottawa
	2009-07-03	Exova Canada [2306] - Ottawa
Heterotrophic Plate Count (Hpc)	2008-02-18	Accutest - Bodycote Laboratory (Kingston)
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2009-07-03	Exova Canada [2305] - Kingston
	2009-07-03	Exova Canada [2306] - Ottawa
Total Coliform	2008-02-18	Accutest - Bodycote Laboratory (Kingston)
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Accutest - Bodycote Laboratory (Kingston)
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2009-07-03	Exova Canada [2305] - Kingston
	2009-07-03	Exova Canada [2306] - Ottawa

Organic Chemical

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
1,1-Dichloroethylene (Vinylidene Chloride)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
1,2-Dichlorobenzene	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)

Laboratory Service Notification (LSN) Information

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
1,2-Dichlorobenzene	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
1,2-Dichloroethane	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
1,4-Dichlorobenzene	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
2,3,4,6-Tetrachlorophenol	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
2,4,5-Trichlorophenoxyacetic Acid (2,4,5-T)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
2,4,6-Trichlorophenol	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
2,4-Dichlorophenol	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
2,4-Dichlorophenoxyacetic Acid (2,4-D)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Alachlor	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield

Laboratory Service Notification (LSN) Information

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Alachlor	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Aldicarb	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Aldrin + Dieldrin	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Atrazine + N-Dealkylated Metabolites	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Azinphos-Methyl	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Bendiocarb	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Benzene	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Benzo(A)Pyrene	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Bromoxynil	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga

Laboratory Service Notification (LSN) Information

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Bromoxynil	2009-07-03	Exova Canada [2306] - Ottawa
Carbaryl	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Carbofuran	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Carbon Tetrachloride	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Chlordane (Total)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Chlorpyrifos	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Cyanazine	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Diazinon	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Dicamba	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa

Laboratory Service Notification (LSN) Information

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Dichlorodiphenyltrichloroethane (Ddt) + Metabolites	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Dichloromethane	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Diclofop-Methyl	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Dimethoate	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Dinoseb	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Diquat	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Diuron	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Glyphosate	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Heptachlor + Heptachlor Epoxide	2004-11-17	Maxxam Analytics Inc. - Mississauga

Laboratory Service Notification (LSN) Information

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Heptachlor + Heptachlor Epoxide	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Lindane (Total)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Malathion	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Methoxychlor	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Metolachlor	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Metribuzin	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Monochlorobenzene	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Paraquat	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Parathion	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)

Laboratory Service Notification (LSN) Information

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Parathion	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Pentachlorophenol	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Phorate	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Picloram	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Polychlorinated Biphenyls (Pcbs)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Prometryne	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Simazine	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Temephos	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Terbufos	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield

O. Reg. 170 Parameter Name	LSN Effective Date	Lab Name
Terbufos	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Tetrachloroethylene (Perchloroethylene)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Triallate	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Trichloroethylene	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Trifluralin	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-08-08	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Trihalomethanes (Total)	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa
Vinyl Chloride	2004-11-17	Maxxam Analytics Inc. - Mississauga
	2008-02-18	Accutest - Bodycote Laboratory (Ottawa)
	2008-08-08	Sgs Environmental Services - Lakefield
	2008-09-26	Maxxam Analytics [2292] - Mississauga
	2009-07-03	Exova Canada [2306] - Ottawa

Ottawa | Public Health
Santé publique

July 31, 2012

Holly Glofcheskie
St. Philip Catholic School
79 Maitland Street, Richmond
Ottawa, ON
K0A 2Z0

Re: Sodium Exceedance, DWS #260015574
St. Philip Catholic School
79 Maitland Street, Richmond,
Ottawa, ON
K0A 2Z0

Dear Ms. Glofcheskie.

The results of the analyses of water samples taken from the above noted well supply on July 31, 2012 show the presence of Sodium in the drinking water at concentration(s) of 110 mg/L. This concentration is higher than the health-based advisory concentration for Sodium in drinking water of 20 mg/L (milligrams per litre).

People consuming the water from the above noted well supplies must be informed that:

The concentrations of Sodium in the water from St. Philip Catholic School are above the health-based advisory concentration of 20 mg/L. People who are on a Sodium-restricted diet or suffering from hypertension, congestive heart disease or kidney disease, should consult with their physician regarding the use of the water from these well supplies for consumption purposes.

If you have any questions regarding this letter, please contact Public Health Inspector, Lise Arseneau at 613 580-6744 ext. 26305 or myself.

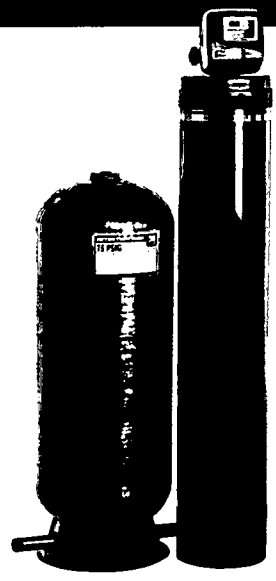
Yours truly,

Franco Pagani
Supervisor,
Ottawa Public Health,
613-580-6744 (extension #26327)

c.c. File

The *ion²* collection of electronic water conditioners and filters.

High performance systems to meet residential or light commercial water conditioning challenge.



Fusion² Specialty Ion Exchange Water Conditioners

The fully electronic **Intelogic® Ultra** control features clock or metered brining, multiple cycle sequencing, and upflow or downflow brining. An extra-rigid brine tank and Midnight Black tank jacket complete the package. High-performance ***Excelclear*** selective reduction anion or cation resins for nitrates, organic colour, uranium and other contaminants. Mixed bed systems with the ***Fusion²*** static valve are available for deionization applications with Waterite's own MBX115 resin. Systems available from .7 CF to 5.0 CF with peak service flow rates up to 25.0 GPM.

Fusion² Chemical-Free *Paterson* Iron Remover

Waterite's wide range of water conditioners includes the original Paterson chemical-free iron remover, a highly effective solution to iron staining and rusty water. This rugged system injects air to oxidize ferrous (clear water) iron and removes the resulting ferric (red water) iron from your water supply. Features include the famous Micronizer air injector, Midnight Black tank jacket and the F2TC fully automatic valve. Waterite's patented Paterson system never needs chemicals! Available in 1.5, 2.0 and 2.5 CF sizes with service flow rates up to 8.0 GPM. Dealer will specify contact tank size required.

IRON FIST® H2S and Iron Filter Systems

Iron Fist systems use Pyrolox(tm) catalytic media to eliminate the corrosion, odour and staining due to H2S and iron in drinking water without the need of any chemical media regeneration or contact tanks. Fully automatic, each system comes with the Waterite valve 5-year limited warranty and a limited 10-year warranty on the mineral tank.

IRON FIST® CHEMICAL-FREE Fe²⁺/Fe³⁺ REMOVAL SYSTEM

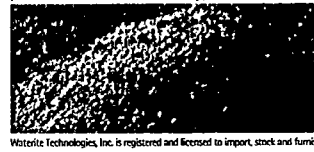


Fusion² Multi Media and Special Media Filters

Each water filter application can present a unique set of challenges. Waterite's ***Fusion²*** filter family can help meet them all. Available with a wide selection of media, ***Fusion²*** filters can be tailored to meet individual customer needs, up to 4.0 CF with service flow rates up to 14.0 GPM. Waterite automatic filters and conditioners are also commonly used for pre-treatment of commercial reverse osmosis systems.



- Multi-media sand and gravel filtration for the reduction of turbidity (suspended particulate) to approximately 15 microns. Crushed aggregate filtration (Filter Ag(tm), crushed pumice) for the reduction of fine suspended particulate to approximately 30 microns.



- Waterite's **CENTURION, CENTURION 'C'** and **CENTURION '7'** high performance, acid washed activated carbon filters are commonly used for the reduction of chlorine and its by-products, THMs, VOCs, organic colour, H2S, odors and particulate.

Waterite Technologies, Inc. is registered and licensed to import, stock and furnish potassium permanganate by Health Canada.

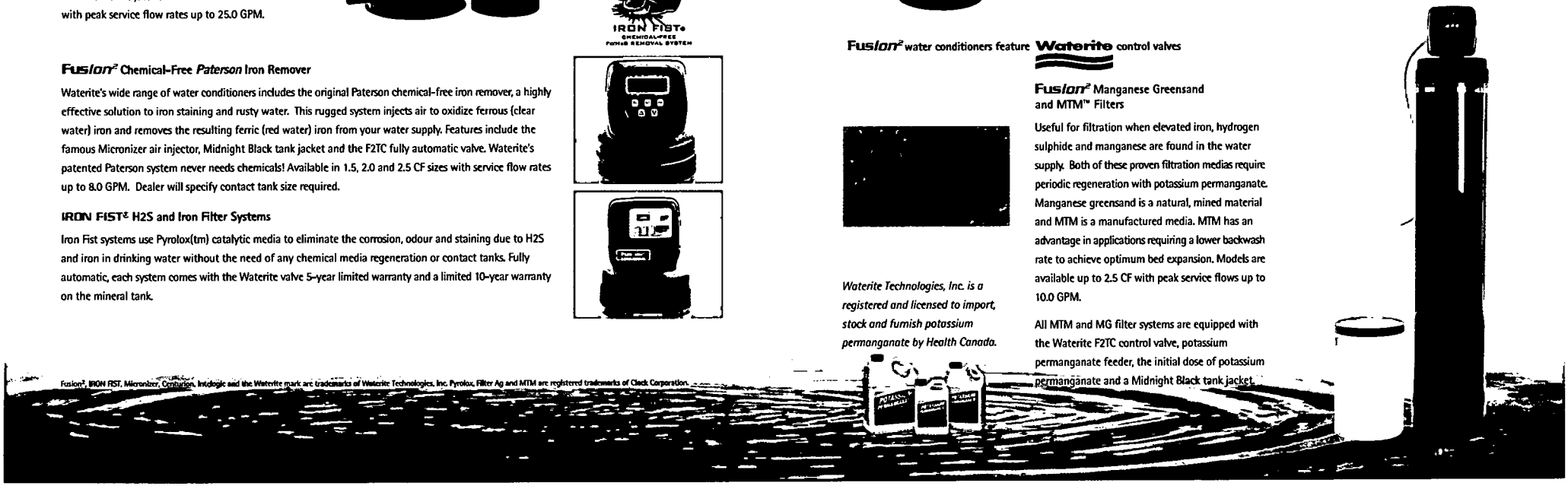
Fusion² water conditioners feature **Waterite** control valves

Waterite Technologies, Inc. is a registered and licensed to import, stock and furnish potassium permanganate by Health Canada.

Fusion² Manganese Greensand and MTM™ Filters

Useful for filtration when elevated iron, hydrogen sulphide and manganese are found in the water supply. Both of these proven filtration medias require periodic regeneration with potassium permanganate. Manganese greensand is a natural, mined material and MTM is a manufactured media. MTM has an advantage in applications requiring a lower backwash rate to achieve optimum bed expansion. Models are available up to 2.5 CF with peak service flows up to 10.0 GPM.

All MTM and MG filter systems are equipped with the Waterite F2TC control valve, potassium permanganate feeder, the initial dose of potassium permanganate and a Midnight Black tank jacket.



Fusion², IRON FIST, Micronizer, Centurion, Intelogic and the Waterite mark are trademarks of Waterite Technologies, Inc. Pyrolox, Filter Ag and MTM are registered trademarks of Clack Corporation.

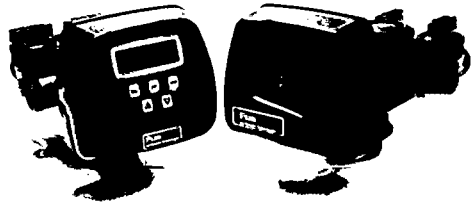
Fusion² Water Conditioner Model Guide

FOR RESIDENTIAL AND LIGHT COMMERCIAL APPLICATIONS

The Inside Story:

The Waterite F Series Automatic Control Valve

The Waterite F-Series control valve is the heart of the **Fusion²** family of filters and selective ion exchange water conditioners. The latest generation of design assures years of trouble free service. With service and backwash rates up to 27 GPM, Waterite F-series valves feature integrated circuit boards, proven piston technology and multiple sequence programming. The valve may be disassembled and serviced in minutes, making it a breeze to service.



FILTER TYPE	FILTER MODEL	TANK SIZE .	CF MEDIA	NORMAL/PEAK FLOW GPM	B/W RATE GPM
Paterson Iron Filter	P1054F2	10 X 54	1.5	2.5 / 5.0	5.0
	P1248F2	12 X 48	2.0	3.0 / 6.0	7.0
	P1354F2	13 X 54	2.5	4.0 / 8.0	10.0
IRON FIST Filters	FPF9K	9 X 40	0.8	2.0 / 4.0	15.0
	FPF10K	10 X 47	1.0	2.5 / 5.0	18.0
Multi-Media Filters	FMF10A	10 X 47	1.0	2.5 / 5.0	5.0
	FMF15A	10 X 54	1.5	3.0 / 6.0	7.0
	FMF20A	12 X 48	2.0	4.0 / 8.0	10.0
	FMF25A	13 X 54	2.5	4.5 / 9.0	11.0
	FMF30A	14 X 65	3.0	5.0 / 10.0	12.0
	FMF40A	16 X 65	4.0	7.0 / 14.0	15.0
Carbon Filters	FCF10A	10 X 47	1.0	2.5 / 5.0	5.0
	FCF15A	10 X 54	1.5	3.0 / 6.0	5.0
	FCF20A	12 X 48	2.0	4.0 / 8.0	7.0
	FCF25A	13 X 54	2.5	4.5 / 9.0	8.0
	FCF30A	14 X 65	3.0	5.0 / 10.0	10.0
	FCF40A	16 X 65	4.0	7.0 / 14.0	12.0
Filter Ag Filters	FAF10A	10 X 47	1.0	2.0 / 4.0	5.0
	FAF15A	10 X 54	1.5	2.5 / 5.0	5.0
	FAF20A	12 X 48	2.0	3.0 / 6.0	7.0
	FAF25A	13 X 54	2.5	4.0 / 8.0	8.0
	FAF30A	14 X 65	3.0	5.0 / 10.0	10.0
	FAF40A	16 X 65	4.0	7.0 / 14.0	12.0
MTM Filters	FMT10A	10 X 47	1.0	2.5 / 5.0	5.0
	FMT15A	10 X 54	1.5	3.0 / 6.0	5.0
	FMT20A	12 X 48	2.0	4.0 / 8.0	7.0
	FMT25A	13 X 54	2.5	5.0 / 10.0	10.0
Greensand Filters	FMG10A	10 X 47	1.0	2.5 / 5.0	5.0
	FMG15A	10 X 54	1.5	3.0 / 6.0	7.0
	FMG20A	12 X 48	2.0	5.0 / 8.0	10.0

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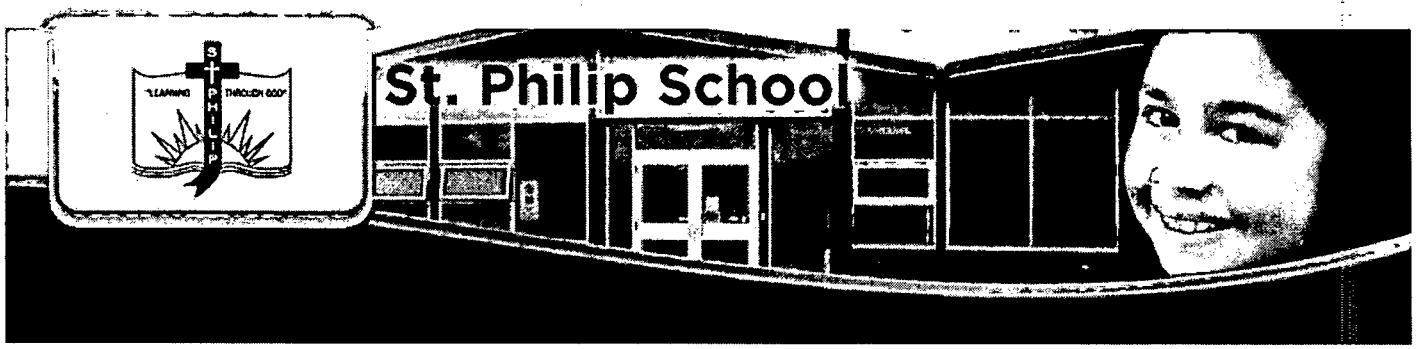
Waterite

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000112

Search... Select Language

Home Select a School Visit School Website



Transportation Monitor

Transportation is currently in service at all schools.
Visit OSTA's website to see if your bus is delayed.
View delays >>

Admissions/Registration

Find everything you need to register your child in one of our schools. French immersion, full-day kindergarten, and more...
Read more >>

School Year Calendar

Mark you calendar for important school dates, such as school holidays and PD Days. Take a glance at next year's calendar.
Read more >>

St. Philip School

School Address:
79 Maitland Street
Richmond, Ontario K0A 2Z0

Email: Philip@ocsb.ca
Phone: 613-838-2466
Fax: 613-838-3263
School Hours: 9:20 am - 3:50 pm

Principal	Kathy Fischer
Office Administrator	Gail Butler
Superintendent	Greg Mullen
Trustee	John Curry
Family of Schools	Sacred Heart High
Parish	St. Philip
Parish Phone	613-838-2314

Visit School Website: http://phi.

http://phi.ocsb.ca

hrs 9:20 am - 3:50 pm

Copyright @ 2012 This website has been optimized for all browsers and handheld devices. It is best viewed in Google Chrome

Ottawa Catholic School Board
http://www.ocsb.ca

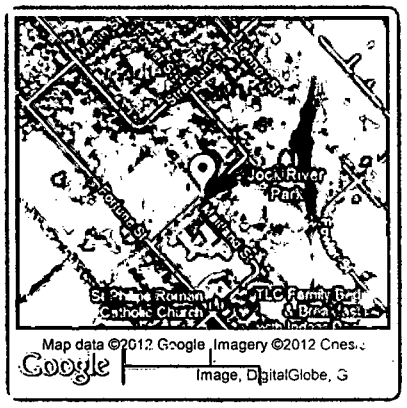
000113

St. Philip School

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79 Maitland Street
Richmond, Ontario K0A 2Z0

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Phone: 613-838-2466
Fax: 613-838-3263
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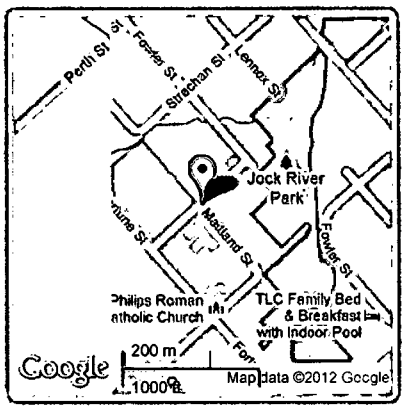
Visit School Website: http://phi...

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Trustee	John Curry
Family of Schools	Sacred Heart High
Parish	St. Philip
Parish Phone	613-838-2314



Visit School Website: http://phi.ocsb

St. Philip School

St. Philip Staff 2012-2013

Principal:
Kathy Fischer

Office Administrator:
Gail Butler

Custodians:
Jeff Black

Resource Teacher &Teacher Designate:
Lori Ann Richards

JK/SK (English):
Andrea Singer

JK/SK (French):
Franca Lalonde

Grade 1:
Jennifer O'Heron

Grade 1:
Janice Barclay

Grade 2
Colleen Bailey

Grade 2/3:
Agnieszka Radzikowska

Grade 3:
Kelly Butler

Grade 4 Blended and 4/5 Extended:
Sara Hiscoe

Grade 5 Blended:
Natalia McArthur

Grade 6 Blended and 5/6 Extended:
Deidre Peddle

Grades 2/3 Extended French, 2 and 3 Social Studies, 4/5 Immersion French:
Tabitha Villemaire

Welcome

The History of St. Philip Elementary School



St. Philip Elementary School first opened in September, 1960. It began as a building with four classrooms. Mrs. Anne Casey was the first principal of the school. In 1965, a gym was added to the school making it one of the first schools at the time with a quality gym. The school was expanded again in 1970.

An article appeared in The Stittsville News December 11, 1985 about the twenty-fifth anniversary for St. Philip Elementary School. Dr. William Crossan, former Director of the Carleton Roman Catholic Separate School Board, was quoted as saying, "St. Philip's encompasses all that is good from the country and all that is good from the city, coming together to form an outstanding school." A quote which still rings true today.

000116

St. Philip School

Home Our School Catholic School Council News & Links Parish & Partners



Translate this Page

Select Language

Newsletters

The St. Philip teachers have two great ways to communicate with parents. Listed below are the teachers who are using monthly newsletters to keep parents up-to-date. Some other teachers are choosing to use a blog or website to inform parents of the events and information in the classroom. To find your child's classroom blog, please choose the "Our School" Tab on our school website and click on your child's teacher's name (it will appear in blue if there is a blog) located on the left hand side of the page.

Click on the following links to view our newsletters.

September

School Newsletter
Mrs. Singer and Madame Lalonde's Kindergarten News
Mrs. O'Heron's and Mrs. Barclay's Grade 1 News
Mrs. Bailey's Grade 2 News
Ms. Radzikowska's Grade 2/3 News
Mme. Hakim's Gr 1, 4/5 ext and 5/6 ext French News
Ms. Butler's Grade 3 News
Mrs. Hiscoe's Grade 4 News
Ms. McArthur's Grade 5 News
Mrs.Peddle's Grade 6 News

October

School Newsletter
Madame Lalonde and Mrs. Singer's Kindergarten News
Mrs.O'Heron and Mr. McSheffrey's Grade 1 News
Ms. Radzikowska's grade 3 News
Ms.McArthur's Grade 5 News

Info	Facilities	Policies and Procedures	Faith and Fun Calendars
 **Opened in 1960, St. Philip School is located in the Village of Richmond. Adjoining communities of Munster and North Gower are served by St. Philip School. We are the home of the St. Philip Falcons!**	The school has extensive facilities including: > Smart Boards in every Classroom > 2 kindergarten classrooms > 5 primary classrooms > 4 junior classrooms > Fully equipped computer lab and library > Large gymnasium & recreation area with play structures > Baseball diamond, basketball court, soccer field **Student Enrollment:** 233 **Number of Staff:** 25 The experience of the teaching staff ranges from recent graduates to 33 years in experience. **Principal:** Kathy Fischer **Superintendent of Schools:** Greg Mullen, 613-224-2222 **School Trustee:** John Curry, 613-831-2028	Bully Prevention Plan Equity and Inclusive Education Plan Progressive Discipline	February 2012 January 2012 December 2011

Ontario Ministry of the Environment / Ministère de l'Environnement — Drinking Water Systems Regulation (O. Reg. 170/03)

Notice of Completion of an Engineering Evaluation Report for Existing System

Collection of information on this Notice is done so in accordance with the *Safe Drinking Water Act, 2002* and O. Reg. 170/03. Personal information gathered herein is governed by *the Freedom of Information and Protection of Privacy Act*. For questions and concerns, please contact the Ministry of Environment at 1-866-793-2588.

NOTE:

(1) *Declaration of Professional Engineer* (PIBS 5390e) must be completed and submitted in conjunction with this *Notice of Completion of an Engineering Evaluation Report for Existing System*. The Declaration must be an original hard copy mailed to the Ministry of the Environment (see mailing instructions on the *Declaration of Professional Engineer*).

(2) A copy of this *Notice of Completion of an Engineering Evaluation Report for Existing System* and *Declaration of Professional Engineer* must also be provided to the interested authority for each designated facility served by the DWS (if applicable).

SCHEDULE 21 (SUBSECTION 21-7 (1) NOTICE FOR SUBSECTION 21-2 (1) REPORTS)

Name of the Drinking Water System (DWS): St. Philip Catholic School
Category of DWS: Small non-municipal non-residential
DWS Number: Previously 9108-5dnr6w, currently 260015574
DWS Owner Name *(Full legal name)*: Ottawa Catholic School Board

EXISTING CERTIFICATE(S) OF APPROVAL NUMBER(S) AND DATE OF ISSUE
(as issued under s.52 of the *Ontario Water Resources Act* or s.36 or 56 of the *Safe Drinking Water Act, 2002)*

Certificate(s) of Approval Number(s):	Date of Issue: *(yyyy/mm/dd)*

I confirm that: *(Please check boxes that apply)*

☑	An engineering evaluation report on this DWS prepared under subsection 21-2 (1) by a professional engineer has been delivered to me;
☑	The professional engineer who prepared the report or a person under his or her supervision has visited the DWS.
The professional engineer's report included their opinion indicating that:	
☑	the DWS is providing all equipment required in order to ensure compliance with the provisions of Schedule 2 of O. Reg. 170/03, and;
☑	the DWS is providing all equipment required to ensure compliance with the operational checks, sampling and testing provisions of O. Reg. 170/03 as provided in Schedules 6, 8 or 9 of O. Reg. 170/03 that apply to this category of DWS.

Ontario

Drinking Water Systems Regulation (O. Reg. 170/03)
Notice of Completion of an Engineering Evaluation Report for Existing System
Schedule 21 (subsection 21-7 (1) Notice for subsection 21-2 (1) Reports)

Point of Entry Treatment Units

Please check only if the DWS in question is a Non-Municipal Year-Round Residential or Non-Municipal Seasonal Residential System that relies on point of entry treatment.

☑	Point of entry treatment units required to ensure compliance with the provisions of Schedule 3 of O. Reg. 170/03 have been installed on the plumbing of every building and other structure that is part of a private residence, designated facility, or public facility served by the system.

DWS Owner Name:	Date: YYYY	MM	DD
Ottawa Catholic School Board	2010	April	13

Please e-mail the Notice to: *Reg170_formsubmission@ene.gov.on.ca*

Ontario Ministry of the Environment / Ministère de l'Environnement — Drinking Water Systems Regulation (O. Reg. 170/03)

Declaration of Professional Engineer

Collection of information on this Notice is done so in accordance with the *Safe Drinking Water Act, 2002* and O. Reg. 170/03. Personal information gathered herein is governed by *the Freedom of Information and Protection of Privacy Act.* For questions and concerns, please contact the Ministry of Environment at 1-866-793-2588.

SCHEDULE 21 (SECTION 21-5)

Name of the Drinking Water System (DWS): St. Philip Catholic School
Category of DWS: Small non-municipal non residential
DWS Number: Previously 9108-5dnr6w, Currently 260015574
DWS Owner Name *(Full legal name):* Ottawa Catholic School Board

EXISTING CERTIFICATE(S) OF APPROVAL NUMBER(S) AND DATE OF ISSUE
(as issued under s.52 of the *Ontario Water Resources Act* or s.36 or 56 of the *Safe Drinking Water Act, 2002*)

Certificate(s) of Approval Number(s):	Date of Issue: *(yyyy/mm/dd)*

I hereby state: *(Please check all boxes that apply)*

☑	I am a professional engineer with experience in sanitary engineering relating to drinking water supplies;
☑	I have prepared an engineering evaluation report on this DWS according to the requirements of section 21-5 of O. Reg. 170/03;
☑	The DWS has been visited by myself or a person under my supervision.

In my opinion: *(Please check all boxes that apply)*

☑	The DWS is providing all equipment required in order to ensure compliance with the provisions of Schedule 2 of O. Reg. 170/03;
☑	The DWS is providing all equipment required to ensure compliance with the operational checks, sampling and testing provisions of O. Reg. 170/03 as provided in Schedules 6, 8 or 9 of O. Reg. 170/03 that apply to this DWS;
☑	My report contains the reasons for this opinion as well as the technical and other information I relied on in reaching it;
☑	My report includes a maintenance schedule that sets out the requirements relating to the frequency with which equipment referred to in Schedule 21, section 21-5 clause (d) (i) and (ii) must be inspected, tested and replaced.

Ontario

Drinking Water Systems Regulation (O. Reg. 170/03)
Declaration of Professional Engineer
Schedule 21 (section 21-5)

Please check only if the DWS in question is a Non-Municipal Year-Round Residential or Non-Municipal Seasonal Residential System that relies on point of entry treatment:

☑	Point of entry treatment units required to ensure compliance with the provisions of Schedule 3 of O. Reg. 170/03 have been installed on the plumbing of every building and other structure that is part of a private residence, designated facility, or public facility served by the system.

Professional Engineer's seal is to be affixed in space below and signed by Professional Engineer who prepared the engineering evaluation report.



The signature included in the Engineer's seal affixed to the engineering evaluation report is of:	Dennis G. Martin P.Eng.		
	YYYY	MM	DD
The date the report was sealed is:	2010	April	8

Company Name: Golder Associates Ltd.		
Mailing Address *(Street Number of Name)*: 32 Steacie Dr.	Unit/Apt Number/Suite	P.O. Box/Rural Route #
City/Town: Kanata	Province/State: ON	Postal Code/Zip Code: K2K 2A9
Telephone Number *(include area code)*: 613 592-9600	Fax Number *(include area code)*: 613 592-9601	

	YYYY	MM	DD
Date of this Declaration of Professional Engineer:	2010	April	8

An original hard copy of this declaration must be mailed or faxed to:

Ministry of the Environment
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario M4V 1L5
Fax: 416-314-8452

Mahoney, James (ENE)

From: Gerry Sancartier [gerry.sancartier@ocsb.ca]
Sent: October 26, 2012 10:27 AM
To: Mahoney, James (ENE)
Cc: Michael Blood; Jeffrey Black; Peter Scott; debbie@brownleewaterquality.com
Subject: Re: Scheduling and Submission of Pre-Inspection Documentation - St. Philip Catholic School, 79 Maitland Street, Richmond

Hi James,

Further to your original email, our staff at St. Phillip (Jeff Black, Head Caretaker) will be available on Tuesday, November 27th for the inspection.

The documentations you have identified is available at St. Phillip Elementary School.

Thank you

On Thu, Oct 25, 2012 at 2:35 PM, Mahoney, James (ENE) <James.Mahoney@ontario.ca> wrote:

> Debbie ...
>
> Tuesday November 27th would be fine. I could meet Brownlee staff at the school at 9:30 am if that time works.
>
> Jim Mahoney
>
> ---
>
> **From:** Debbie Mayhew [mailto:debbie@brownleewaterquality.com]
> **Sent:** October 25, 2012 2:29 PM
> **To:** Mahoney, James (ENE); gerard.sancartier@ocsb.ca
> **Cc:** 'Michael Blood'; Primeau, Charlie (ENE)
> **Subject:** RE: Scheduling and Submission of Pre-Inspection Documentation - St. Philip Catholic School, 79 Maitland Street, Richmond
>
> Good Afternoon Jim
>
> If possible we would like to arrange the week of November 30th to coincide with our regular system inspection and water sample collection date. We can arrange a time to meet with you on Tuesday Nov 27th or Thursday November 29th. We will prepare the pre-inspection documentation and send it to you by the first week of November.

Regards

Debbie Mayhew

Brownlee Water Quality Management Inc.

Water You Can Trust with Service you can Depend On

Tel: 613-692-2062 Fax: 613-692-1692

www.BrownleeWaterQuality.com

From: Mahoney, James (ENE) [mailto:James.Mahoney@ontario.ca]
Sent: October-25-12 2:06 PM
To: gerard.sancartier@ocsb.ca
Cc: Michael Blood; Debbie Mayhew; Primeau, Charlie (ENE)
Subject: Scheduling and Submission of Pre-Inspection Documentation - St. Philip Catholic School, 79 Maitland Street, Richmond

Mr. Sancartier ...

The Ministry of the Environment routinely inspects drinking water systems that are subject to the *Drinking Water Systems Regulation* (O. Reg. 170/03), made under the *Safe Drinking Water Act.*

I would like to schedule an inspection of the drinking water system serving the St. Philip Catholic School, 79 Maitland Street, Richmond.

Please provide me with a suggested date and time for the inspection that would be convenient for your staff, preferably either during the week ending November 23, 2012 or November 30, 2012. The inspection is likely to take les than 3 hours to perform and will entail an inspection of the well head and treatment equipment, a review of log books, and speaking with operations staff to review sampling, testing, operations and maintenance, record keeping, and reporting practices.

Attached is a form identifying documentation to be provided prior to the inspection date in order to facilitate an efficient and thorough assessment.

Should you have any questions, please do not hesitate to contact me.

Jim Mahoney

Supervisor

Ministry of the Environment

Safe Drinking Water Branch

Kingston-Ottawa-Cornwall Offices

Phone: (613) 548-6902

Cell: (613) 453-9724

Fax: (613) 540-6876

Email: james.mahoney@ontario.ca

--

Gerry Sancartier, Planning and Facilities
Property and Operations Officer
Ottawa Catholic School Board
570 West Hunt Club Road
Nepean, Ontario
K2G 3R4
613-224-4455 #2300

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www.ocsb.ca

The Ottawa Catholic School Board encourages you to think 'Green'.
Please consider the environment before printing this email. Thank you.

From:	Mahoney, James (ENE)
To:	"Debbie Mayhew"
Cc:	"Michael Blood"; Primeau, Charlie (ENE); gerard.sancartier@ocsb.ca
Subject:	RE: Scheduling and Submission of Pre-Inspection Documentation - St. Philip Catholic School, 79 Maitland Street, Richmond
Date:	October 25, 2012 2:35:31 PM

Debbie ...

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Jim Mahoney

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Attached is a form identifying documentation to be provided prior to the inspection date in order to facilitate an efficient and thorough assessment.

Should you have any questions, please do not hesitate to contact me.

Jim Mahoney
Supervisor
Ministry of the Environment
Safe Drinking Water Branch
Kingston-Ottawa-Cornwall Offices
Phone: (613) 548-6902
Cell: (613) 453-9724
Fax: (613) 540-6876
Email: james.mahoney@ontario.ca

From: Mahoney, James (ENE)
To: "gerard.sancartier@ocsb.ca"
Cc: Michael Blood; "Debbie Mayhew"; Primeau, Charlie (ENE)
Subject: Scheduling and Submission of Pre-Inspection Documentation - St. Philip Catholic School, 79 Maitland Street, Richmond
Date: October 25, 2012 2:06:28 PM
Attachments: Pre-Inspection Info Request - St Philip Catholic School.pdf

Mr. Sancartier ...

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Jim Mahoney
Supervisor
Ministry of the Environment
Safe Drinking Water Branch
Kingston-Ottawa-Cornwall Offices
Phone: (613) 548-6902
Cell: (613) 453-9724
Fax: (613) 540-6876
Email: james.mahoney@ontario.ca

The documents could be delivered by email to: james.mahoney@ontario.ca , by fax to: 1-613-540-6876, or by mail to:

Ministry of the Environment
Safe Drinking Water Branch
Unit 3,
1259 Gardiners Road
P.O. Box 22032
Kingston, ON
K7M 8S5
Attention: Jim Mahoney

Please provide the undersigned with a suggested date and time for the inspection that would be convenient for your staff, preferably during the week ending either November 23, 2012 or November 30, 2012. The inspection is likely to take less than 3 hours to perform and would entail an inspection of the well head and treatment equipment, a review of log books, and speaking with operations staff to review sampling, testing, operations and maintenance, record keeping, and reporting practices.

Yours truly,

J Mahoney

Jim Mahoney
Supervisor
Phone : (613) 548-6902
Cell : (613) 453-9724
Fax : (613) 540-6876
Email : james.mahoney@ontario.ca

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 1531857 — Municipality 15003 — Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Ottawa Carleton	Goulbourn	3	

Owner's surname	First Name	Address	Date completed
O.C.C. School Board		1695 Road, Nepean ON. K2G 3R4	03 04 01 (day month year)

21 — St.Philips School — Zone — Easting — Northing — Elevation — Basin Code — Richmond Ontario.

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
brown	clay	stone		0	15
grey	limestone		hard	15	75

31 — 32

41 WATER RECORD

Water found at - feet	Kind of water
67	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas 6 ☐
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas 6 ☐
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas 6 ☐
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas 6 ☐
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas 6 ☐

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	21
6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		21	75
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type	Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
21	0	Grouted-Cement (3)

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer — Pumping rate: 30 GPM — Duration of pumping: 1 Hours ___ Mins

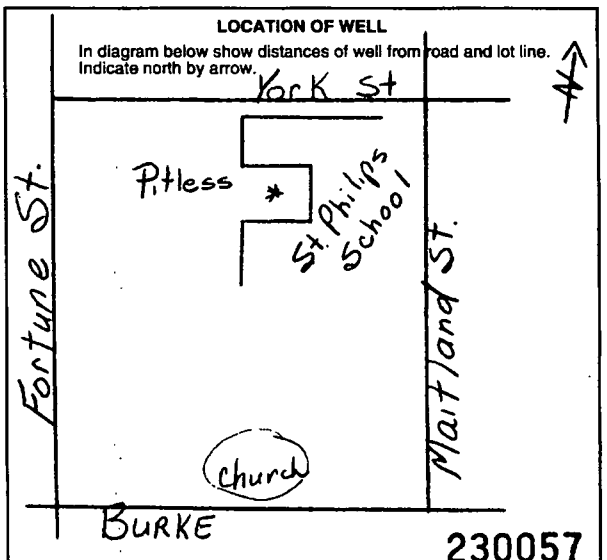
Static level	Water level end of pumping	Water levels during: 1 ☒ Pumping 2 ☐ Recovery			
9'9" feet	30 feet	15 minutes: 73 feet	30 minutes: 73 feet	45 minutes: 50 feet	60 minutes: 30 feet

If flowing give rate	Pump intake set at	Water at end of test
GPM	feet	☐ Clear ☒ Cloudy

Recommended pump type	Recommended pump setting	Recommended pump rate
☐ Shallow ☒ Deep	50 feet	5 GPM

LOCATION OF WELL

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



230057

FINAL STATUS OF WELL

1 ☒ Water supply; 2 ☐ Observation well; 3 ☐ Test hole; 4 ☐ Recharge well; 5 ☐ Abandoned, insufficient supply; 6 ☐ Abandoned, poor quality; 7 ☐ Abandoned (Other); 8 ☐ Dewatering; 9 ☐ Unfinished; 10 ☐ Replacement well

WATER USE

1 ☒ Domestic; 2 ☐ Stock; 3 ☐ Irrigation; 4 ☐ Industrial; 5 ☐ Commercial; 6 ☐ Municipal; 7 ☐ Public supply; 8 ☐ Cooling & air conditioning; 9 ☐ Not use; 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☐ Cable tool; 2 ☐ Rotary (conventional); 3 ☐ Rotary (reverse); 4 ☒ Rotary (air); 5 ☒ Air percussion; 6 ☐ Boring; 7 ☐ Diamond; 8 ☐ Jetting; 9 ☐ Driving; 10 ☐ Digging; 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Address
Box 490, Stittsville, ON. K2S 1A6

Name of Well Technician	Well Technician's Licence No.
S. Miller	T0097

Signature of Technician/Contractor	Submission date
	day 09 mo 04 yr 01

MINISTRY USE ONLY

Data source	Contractor	Date received
	1558	MAY 25 2001

Date of inspection	Inspector

Remarks: CSS.ES1

2 - MINISTRY OF THE ENVIRONMENT COPY

0508 (07/00) Front Form 9

000129

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **1531858** Municipality ISDO3 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot
Ottawa Carleton	Goulbourn	3				

Owner's surname	First Name	Address	Date completed
St.Philips School	O/C/C/S/B/	1695 Merivale Rd., Nepean ON. K2G 3R4	05 (day) 04 (month) 01 (year)

21 UTM Zone | Easting | Northing | RC | Elevation | RC | Basin Code | ii | iii | iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
	WELL ABANDONMENT.				77

31

32

41 WATER RECORD

Water found at - feet	Kind of water
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☐ Annular space ☒ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0	77	3/8" holeplug (40)

71 PUMPING TEST

Pumping test method 1 ☐ Pump 2 ☐ Bailer | Pumping rate GPM | Duration of pumping ____ Hours ____ Mins

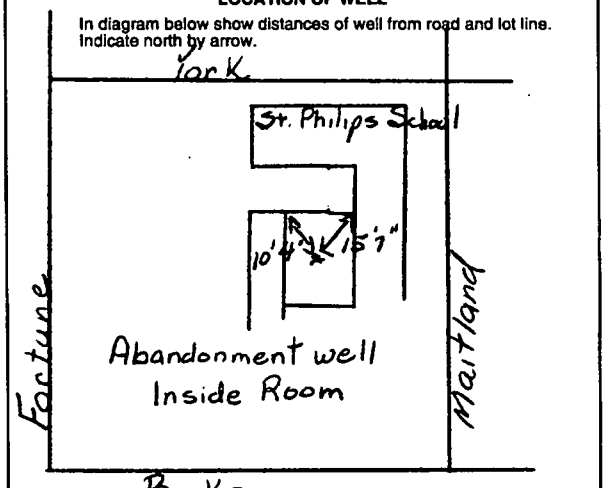
Static level feet	Water level end of pumping feet	Water levels during 1 ☐ Pumping 2 ☐ Recovery	15 minutes feet	30 minutes feet	45 minutes feet	60 minutes feet

If flowing give rate GPM | Pump intake set at feet | Water at end of test ☐ Clear ☐ Cloudy

Recommended pump type ☐ Shallow ☐ Deep | Recommended pump setting feet | Recommended pump rate GPM

LOCATION OF WELL

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



230058

FINAL STATUS OF WELL

1 ☐ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☐ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Address: Box 490, Stittsville, ON. K2S 1A6

Name of Well Technician	Well Technician's Licence No.
S. Miller	T0097

Signature of Technician/Contractor | Submission date: day 09 mo 04 yr 01

MINISTRY USE ONLY

Data source | Contractor 1558 | Date received MAY 25 2001

Date of inspection | Inspector

Remarks: CSS.ES1

0506 (07/00) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

000130

Mahoney, James (ENE)

From: Holly Glofcheskie <holly@brownleewaterquality.com>
Sent: November 07, 2012 10:34 AM
To: Mahoney, James (ENE)
Subject: St. Philip Inspection Request Information
Attachments: St. Philip 2011 Annual Report.doc; Annual Report Philip.doc; Evan Certificate.jpg; Hunter's Course Certificate.jpg; Keith Brownlee.jpg; Tyrone Certificate.jpg; Engineer report year end.pdf

Good Morning Mr. Mahoney,

Attached are the annual reports and our operator certificates as requested for the upcoming system inspection at St. Philips Catholic School.

I also attached a partial engineer's report but I'll contact Golder and get the full one for you as well.

If you need anything else please let me know. If you would like them, I also can email you copies any lab reports.

Have a Great Day

Holly Glofcheskie
Brownlee Water Quality Management
613.692.2062

Ontario Drinking-Water Systems Regulation O. Reg. 170/03

OPTIONAL ANNUAL REPORT TEMPLATE

Drinking-Water System Number:	**260015574**
Drinking-Water System Name:	St. Philip Catholic School
Drinking-Water System Owner:	Ottawa Catholic School Board
Drinking-Water System Category:	Small Non-Municipal Non-Residential
Period being reported:	April 01, 2009 – March 31, 2010

Complete if your Category is Large Municipal Residential or Small Municipal Residential	*Complete for all other Categories.*
Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ ] **Is your annual report available to the public at no charge on a web site on the Internet? Yes [ ] No [ ]** **Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.**	**Number of Designated Facilities served:** 1 **Did you provide a copy of your annual report to all Designated Facilities you serve? Yes [x] No [ ]** **Number of Interested Authorities you report to:** 1 **Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility? Yes [x] No [ ]**

Note: For the following tables below, additional rows or columns may be added or an appendix may be attached to the report

List all Drinking-Water Systems (if any), which receive all of their drinking water from your system:

Drinking Water System Name	Drinking Water System Number

Did you provide a copy of your annual report to all Drinking-Water System owners that are connected to you and to whom you provide all of its drinking water?
Yes [ ] No [ ]

Indicate how you notified system users that your annual report is available, and is free of charge.

- [ ] **Public access/notice via the web**
- [ ] **Public access/notice via Government Office**
- [ ] **Public access/notice via a newspaper**
- [ ] **Public access/notice via Public Request**
- [ ] **Public access/notice via a Public Library**
- [x] **Public access/notice via other method** notice in school newsletter

Describe your Drinking-Water System

St. Philip Catholic School is served by an on-site well supply. The drilled well is equipped with a deep well submersible pump. The well casing is extended above grade. Chlorination equipment and retention tanks for contact time are in operation to provide disinfection of the well water. Ultraviolet (UV) disinfection system was installed to replace chlorination.

List all water treatment chemicals used over this reporting period

Sodium hypochlorite
Water softening salt

Were any significant expenses incurred to?

- [x] Install required equipment
- [ ] Repair required equipment
- [ ] Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Replacement of chlorination by UV disinfection system $14,000

Provide details on the notices submitted in accordance with subsection 18(1) of the Safe Drinking-Water Act or section 16-4 of Schedule 16 of O.Reg.170/03 and reported to Spills Action Centre

Incident Date	Parameter	Result	Unit of Measure	Corrective Action	Corrective Action Date

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	13	0 – 0	0 – 0	0	
Treated	0			0	
Distribution	12	0 - 0	0 - 0	0	

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)	Unit of Measure
Turbidity			
Chlorine	63	1.52-3.12	mg/L

NOTE: For continuous monitors use 8760 as the number of samples.

Summary of additional testing and sampling carried out in accordance with the requirement of an approval, order or other legal instrument.

Date of legal instrument issued	Parameter	Date Sampled	Result	Unit of Measure

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	Mar 19, 2007	<0.001	mg/L	None
Arsenic	Mar 19, 2007	<0.001	mg/L	None
Barium	Mar 19, 2007	<0.01	mg/L	None
Boron	Mar 19, 2007	0.16	mg/L	None
Cadmium	Mar 19, 2007	<0.0001	mg/L	None
Chromium	Mar 19, 2007	0.003	mg/L	None
Mercury	Mar 19, 2007	<0.0001	mg/L	None
Selenium	Mar 19, 2007	<0.001	mg/L	None
Sodium	Mar 26, 2007	163	mg/L	Yes
Uranium	Mar 19, 2007	0.001	mg/L	None
Fluoride	Mar 19, 2007	0.32	mg/L	None
Nitrite	Jan 4, 2010	<0.10	mg/L	None
Nitrate	Jan 4, 2010	<0.10	mg/L	None

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Mar 19, 2007	<0.5	µg/L	None
Aldicarb	Mar 19, 2007	<9	µg/L	None
Aldrin + Dieldrin	Mar 19, 2007	<0.012	µg/L	None
Atrazine + N-dealkylated metobolites	Mar 19, 2007	<0.2	µg/L	None
Azinphos-methyl	Mar 19, 2007	<2	µg/L	None
Bendiocarb	Mar 19, 2007	<2	µg/L	None
Benzene	Mar 19, 2007	<0.5	µg/L	None
Benzo(a)pyrene	Mar 19, 2007	<0.01	µg/L	None
Bromoxynil	Mar 19, 2007	<0.5	µg/L	None
Carbaryl	Mar 19, 2007	<5	µg/L	None
Carbofuran	Mar 19, 2007	<5	µg/L	None
Carbon Tetrachloride	Mar 19, 2007	<0.5	µg/L	None
Chlordane (Total)	Mar 19, 2007	<0.018	µg/L	None
Chlorpyrifos	Mar 19, 2007	<1	µg/L	None
Cyanazine	Mar 19, 2007	<1	µg/L	None
Diazinon	Mar 19, 2007	<1	µg/L	None
Dicamba	Mar 19, 2007	<1	µg/L	None
1,2-Dichlorobenzene	Mar 19, 2007	<0.4	µg/L	None
1,4-Dichlorobenzene	Mar 19, 2007	<0.4	µg/L	None
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Mar 19, 2007	<0.024	µg/L	None
1,2-Dichloroethane	Mar 19, 2007	<0.5	µg/L	None
1,1-Dichloroethylene (vinylidene chloride)	Mar 19, 2007	<0.5	µg/L	None
Dichloromethane	Mar 19, 2007	<4.0	µg/L	None
2-4 Dichlorophenol	Mar 19, 2007	<0.5	µg/L	None
2,4-Dichlorophenoxy acetic acid (2,4-D)	Mar 19, 2007	<1	µg/L	None
Diclofop-methyl	Mar 19, 2007	<0.9	µg/L	None
Dimethoate	Mar 19, 2007	<2.5	µg/L	None
Dinoseb	Mar 19, 2007	<1	µg/L	None
Diquat	Mar 19, 2007	<7	µg/L	None
Diuron	Mar 19, 2007	<10	µg/L	None
Glyphosate	Mar 19, 2007	<10	µg/L	None
Heptachlor + Heptachlor Epoxide	Mar 19, 2007	<0.012	µg/L	None
Lindane (Total)	Mar 19, 2007	<0.006	µg/L	None
Malathion	Mar 19, 2007	<5	µg/L	None
Methoxychlor	Mar 19, 2007	<0.024	µg/L	None
Metolachlor	Mar 19, 2007	<0.5	µg/L	None
Metribuzin	Mar 19, 2007	<5	µg/L	None
Monochlorobenzene	Mar 19, 2007	<0.2	µg/L	None
Paraquat	Mar 19, 2007	<1	µg/L	None
Parathion	Mar 19, 2007	<1	µg/L	None
Pentachlorophenol	Mar 19, 2007	<0.5	µg/L	None
Phorate	Mar 19, 2007	<0.5	µg/L	None
Picloram	Mar 19, 2007	<5	µg/L	None
Polychlorinated Biphenyls(PCB)	Mar 19, 2007	<0.1	µg/L	None

Prometryne	Mar 19, 2007	<0.006	µg/L	None
Simazine	Mar 19, 2007	<1	µg/L	None
THM (NOTE: show latest annual average)	Feb 28, 2002	22.4	µg/L	None
Temephos	Mar 19, 2007	<10	µg/L	None
Terbufos	Mar 19, 2007	<0.4	µg/L	None
Tetrachloroethylene	Mar 19, 2007	<0.3	µg/L	None
2,3,4,6-Tetrachlorophenol	Mar 19, 2007	<0.5	µg/L	None
Triallate	Mar 19, 2007	<1	µg/L	None
Trichloroethylene	Mar 19, 2007	<0.3	µg/L	None
2,4,6-Trichlorophenol	Mar 19, 2007	<0.5	µg/L	None
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Mar 19, 2007	<1	µg/L	None
Trifluralin	Mar 19, 2007	<0.4	µg/L	None
Vinyl Chloride	Mar 19, 2007	<0.2	µg/L	None

List any Inorganic or Organic parameter(s) that exceeded half the standard prescribed in Schedule 2 of Ontario Drinking Water Quality Standards.

Parameter	Result Value	Unit of Measure	Date of Sample

Ontario Drinking-Water Systems Regulation O. Reg. 170/03

2011—2012 ANNUAL REPORT

Drinking-Water System Number:	**260 015 574**
Drinking-Water System Name:	St. Philip Catholic School
Drinking-Water System Owner:	Ottawa Catholic School Board
Drinking-Water System Category:	Small Non-Municipal Non-Residential
Period being reported:	April 01, 2011 – March 31, 2012

Complete if your Category is Large Municipal Residential or Small Municipal Residential

Does your Drinking-Water System serve more than 10,000 people? Yes [ ] No [ ]

Is your annual report available to the public at no charge on a web site on the Internet? Yes [ ] No [ ]

Location where Summary Report required under O. Reg. 170/03 Schedule 22 will be available for inspection.

Complete for all other Categories.

Number of Designated Facilities served:

1

Did you provide a copy of your annual report to all Designated Facilities you serve?
Yes [X] No [ ]

Number of Interested Authorities you report to: 1

Did you provide a copy of your annual report to all Interested Authorities you report to for each Designated Facility?
Yes [X] No [ ]

Indicate how you notified system users that your annual report is available, and is free of charge.

- **[ ] Public access/notice via the web**
- **[ ] Public access/notice via Government Office**
- **[ ] Public access/notice via a newspaper**
- **[ ] Public access/notice via Public Request**
- **[ ] Public access/notice via a Public Library**
- **[X] Public access/notice via other method** Notice in School Newsletter

Describe your Drinking-Water System

St. Philip Catholic School is served by an on-site well supply. The drilled well is equipped with a deep well submersible pump. The well casing is extended above grade. Ultraviolet (UV) disinfection system, and there are dual softeners and 2 10" sediment filters preceding the UV system.

List all water treatment chemicals used over this reporting period

Water Softening Salt

Were any significant expenses incurred to?

[ ] Install required equipment
[ ] Repair required equipment
[X] Replace required equipment

Please provide a brief description and a breakdown of monetary expenses incurred

Trojan UV Power Supply Ballast - $1,129.87
Trojan UV Intensity Monitor Replacement and Spare (Nov 2011) - $771.90
Trojan UV Intensity Monitor Replacement and Spare (Mar 2012) - $771.90

Microbiological testing done under the Schedule 10, 11 or 12 of Regulation 170/03, during this reporting period.

	Number of Samples	Range of E.Coli Or Fecal Results (min #)-(max #)	Range of Total Coliform Results (min #)-(max #)	Number of HPC Samples	Range of HPC Results (min #)-(max #)
Raw	12	0 – 0	0 – 0		
Treated					
Distribution	12	0 – 0	0 – 0	0	

Operational testing done under Schedule 7, 8 or 9 of Regulation 170/03 during the period covered by this Annual Report.

	Number of Grab Samples	Range of Results (min #)-(max #)
Turbidity	N/A	
Chlorine	N/A	

NOTE: For continuous monitors use 8760 as the number of samples.

*NOTE: Record the unit of measure if it is **not** milligrams per litre.*

Summary of Inorganic parameters tested during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Antimony	Mar 28, 2012	<0.0005	mg/L	None
Arsenic	Mar 28, 2012	<0.001	mg/L	None
Barium	Mar 28, 2012	<0.01	mg/L	None
Boron	Mar 28, 2012	0.11	mg/L	None
Cadmium	Mar 28, 2012	<0.0001	mg/L	None
Chromium	Mar 28, 2012	0.003	mg/L	None
Lead – Standing	Jun 21, 2011	<0.001	mg/L	None
Lead - Flushed	Jun 21, 2011	<0.001	mg/L	None
Mercury	Mar 28, 2012	<0.0001	mg/L	None
Selenium	Mar 28, 2012	<0.001	mg/L	None
Sodium	Mar 26, 2007	163	mg/L	Yes
Uranium	Mar 28, 2012	<0.001	mg/L	None
Fluoride	Mar 19, 2007	0.32	mg/L	None
Nitrite	Feb 23,2012	<0.10	mg/L	None
Nitrate	Feb 23,2012	<0.10	mg/L	None

Summary of Organic parameters sampled during this reporting period or the most recent sample results

Parameter	Sample Date	Result Value	Unit of Measure	Exceedance
Alachlor	Mar 28, 2012	<0.5	µg/L	None
Aldicarb	Mar 28, 2012	<9	µg/L	None
Aldrin + Dieldrin	Mar 28, 2012	<0.012	µg/L	None
Atrazine + N-dealkylated metobolites	Mar 28, 2012	<0.2	µg/L	None
Azinphos-methyl	Mar 28, 2012	<2	µg/L	None
Bendiocarb	Mar 28, 2012	<2	µg/L	None
Benzene	Mar 28, 2012	<0.5	µg/L	None
Benzo(a)pyrene	Mar 28, 2012	<0.01	µg/L	None
Bromoxynil	Mar 28, 2012	<0.5	µg/L	None
Carbaryl	Mar 28, 2012	<5	µg/L	None
Carbofuran	Mar 28, 2012	<5	µg/L	None
Carbon Tetrachloride	Mar 28, 2012	<0.2	µg/L	None
Chlordane (Total)	Mar 28, 2012	<0.018	µg/L	None
Chlorpyrifos	Mar 28, 2012	<1	µg/L	None
Cyanazine	Mar 28, 2012	<1	µg/L	None
Diazinon	Mar 28, 2012	<1	µg/L	None
Dicamba	Mar 28, 2012	<1	µg/L	None
1,2-Dichlorobenzene	Mar 28, 2012	<0.4	µg/L	None
1,4-Dichlorobenzene	Mar 28, 2012	<0.4	µg/L	None
Dichlorodiphenyltrichloroethane (DDT) + metabolites	Mar 28, 2012	<0.024	µg/L	None
1,2-Dichloroethane	Mar 28, 2012	<0.5	µg/L	None
1,1-Dichloroethylene (vinylidene chloride)	Mar 28, 2012	<0.5	µg/L	None
Dichloromethane	Mar 28, 2012	<4.0	µg/L	None
2-4 Dichlorophenol	Mar 28, 2012	<0.5	µg/L	None

2,4-Dichlorophenoxy acetic acid (2,4-D)	Mar 28, 2012	<1	µg/L	None
Diclofop-methyl	Mar 28, 2012	<0.9	µg/L	None
Dimethoate	Mar 28, 2012	<2.5	µg/L	None
Dinoseb	Mar 28, 2012	<1	µg/L	None
Diquat	Mar 28, 2012	<5	µg/L	None
Diuron	Mar 28, 2012	<10	µg/L	None
Glyphosate	Mar 28, 2012	<10	µg/L	None
Heptachlor + Heptachlor Epoxide	Mar 28, 2012	<0.012	µg/L	None
Lindane (Total)	Mar 28, 2012	<0.005	µg/L	None
Malathion	Mar 28, 2012	<5	µg/L	None
Methoxychlor	Mar 28, 2012	<0.006	µg/L	None
Metolachlor	Mar 28, 2012	<0.5	µg/L	None
Metribuzin	Mar 28, 2012	<5	µg/L	None
Monochlorobenzene	Mar 28, 2012	<0.2	µg/L	None
Paraquat	Mar 28, 2012	<5	µg/L	None
Parathion	Mar 28, 2012	<1	µg/L	None
Pentachlorophenol	Mar 28, 2012	<0.5	µg/L	None
Phorate	Mar 28, 2012	<0.5	µg/L	None
Picloram	Mar 28, 2012	<5	µg/L	None
Polychlorinated Biphenyls(PCB)	Mar 28, 2012	<0.1	µg/L	None
Prometryne	Mar 28, 2012	<0.25	µg/L	None
Simazine	Mar 28, 2012	<1	µg/L	None
Temephos	Mar 28, 2012	<10	µg/L	None
Terbufos	Mar 28, 2012	<0.4	µg/L	None
Tetrachloroethylene	Mar 28, 2012	<0.3	µg/L	None
2,3,4,6-Tetrachlorophenol	Mar 28, 2012	<0.5	µg/L	None
Triallate	Mar 28, 2012	<1	µg/L	None
Trichloroethylene	Mar 28, 2012	<0.3	µg/L	None
2,4,6-Trichlorophenol	Mar 28, 2012	<0.5	µg/L	None
2,4,5-Trichlorophenoxy acetic acid (2,4,5-T)	Mar 28, 2012	<1	µg/L	None
Trifluralin	Mar 28, 2012	<0.4	µg/L	None
Vinyl Chloride	Mar 28, 2012	<0.2	µg/L	None

Ontario

DRINKING-WATER OPERATOR CERTIFICATE / CERTIFICAT D'EXPLOITANT DE RESEAU D'EAU POTABLE

[redacted] s.21

has met the requirements under Ontario Regulation 128/04 made under the Safe Drinking Water Act, 2002 for the Drinking-Water Operator Certification Program. / a satisfait aux exigences en vertu du Reglement de l'Ontario 128/04 pris en application de la Loi de 2002 sur la salubrite de l'eau potable du Programme d'accreditation des exploitants de reseau d'eau potable

LIMITED SURFACE WATER SUBSYSTEM
CERTIFICAT D'EXPLOITANT DE SOUS-RÉSEAU LIMITÉ D'EAU

July 31, 2014 **72327**

Dina Salamon

000141

WCWC Walkerton Clean Water Centre
An agency of the Government of Ontario

CWAE Centre de Walkerton pour l'assainissement de l'eau
Un organisme du gouvernement de l'Ontario

CERTIFICATE OF ACHIEVEMENT

[redacted] s.21

has successfully completed the following course and has been awarded 1.8 CEUs.

Operation of Small Drinking Water Systems

* The person named in this certificate meets the requirements of Clause (b) of the definition of "Trained Person " in subsection 1 (1) of O. Reg. 170/03 (Drinking Water Systems) made under the Safe Drinking Water Act, 2002 for 36 months after the issue date.

L Moore

Larry Moore Ph. D., CRSP

Chief Executive Officer

www.wcwc.ca

September 28, 2012

* Issue Date

000142

Ontario

DRINKING-WATER OPERATOR CERTIFICATE / CERTIFICAT D'EXPLOITANT DE RESEAU D'EAU POTABLE

[redacted] s.21

has met the requirements under Ontario Regulation 128/04 made under the Safe Drinking Water Act, 2002 for the Drinking-Water Operator Certification Program. / a satisfait aux exigences en vertu du Reglement de l'Ontario 128/04 pris en application de la Loi de 2002 sur la salubrite de l'eau potable du Programme d'accreditation des exploitants de reseau d'eau potable.

LIMITED GROUNDWATER SUBSYSTEM
CERTIFICAT D'EXPLOITANT DE SOUS-RÉSEAU LIMITÉ D'EAU

July 31, 2014 **16983**

D. Salamon

000143

WCWC Walkerton Clean Water Centre
An agency of the Government of Ontario

CWAE Centre de Walkerton pour l'assainissement de l'eau
Un organisme du gouvernement de l'Ontario

CERTIFICATE OF COMPLETION

[redacted] s.21

has successfully completed the following course and has been awarded 1.8 CEUs.

Operation of Small Drinking Water Systems

** The person named in this certificate meets the requirements of Clause (b) of the definition of "Trained Person" in subsection 1 (1) of O. Reg. 170/03 (Drinking Water Systems) made under the Safe Drinking Water Act, 2002 for 36 months after the issue date.*

L Moore

Larry Moore, PhD, CRSP
Chief Executive Officer

February 8, 2012

* Issue Date

www.wcwc.ca

000144

File No: 051120930

Golder Associates

Drinking-Water System Engineering Evaluation
Supplemental Summary Report

Site: St. Philip Catholic School
Purpose for Amendment: Changes to Required Equipment
Drinking Water System: Small non-municipal non-residential
Owner: Ottawa Catholic School Board
Location: 79 Maitland Street, Richmond, Ontario K0A 2Z0
Drinking-Water System Number: Previously 9108-5dnr6w, Currently 260015574
Original Report Prepared by: Dennis G. Martin M.Sc. (Eng.), P. Eng.
Original Date: September 30, 2002
Site Evaluation by: Mike Armitage under supervision of Dennis G. Martin M.Sc. (Eng.), P. Eng.
Report Revised by: Dennis G. Martin M.Sc. (Eng.), P. Eng.
Revision Date: April 8, 2010

Well Features:

The drilled well is equipped with a deep well submersible pump. The well casing is extended above grade with the surrounding ground surface graded to direct water away from well to prevent ponding. The casing appears to be well sealed and is capped with a secure, commercially manufactured vermin-proof well cap.

Treatment Equipment Changes:

The school was equipped with a point of entry chlorination system to provide disinfection to the groundwater supply. The original system provided chlorine feed rates and contact time to meet the requirements of O. Reg. 170/03 for a ground water supply. The original installation was certified by Dennis G. Martin M.Sc. (Eng.), P. Eng.

The changes include removal of the chlorination equipment and installation of two new Trojan UV Max Pro20 units providing disinfection to meet the requirements of O. Reg. 170/03 and NSF Standard 55A and an ultraviolet transmission sensor that activates a solenoid valve that disables the water supply if the equipment malfunctions, loses power, or ceases to provide the appropriate minimum radiation through the water. The UV system installation consists of two 5 micron cartridge filters installed downstream of a water softener and upstream of any UV system components. The UV system is equipped with an alarm that sounds in the event of equipment failure. The UV system is also linked to the buildings' security system. In the event of equipment failure or malfunction, the monitoring company contacts the drinking water system owner, who in turn dispatches a "trained person" to take appropriate action as soon as possible. The drinking water system owner has entered into contracts for all of the required water sampling carried out by a trained person.

File No: 051120930

Maintenance Schedule:

Equipment maintenance, inspection and operation requirements specified by the equipment manufacturer should be followed and recorded. We understand the UV lamps will be replaced as required by the manufacturer and quarterly maintenance will be performed on UV sleeve, filter cartridges etc. by trained persons. Replacement parts such as UV bulbs and sleeves will be kept on site, clearly marked and separate from other materials not used for drinking water system. Written operating instructions are kept near the drinking water equipment. Equipment should also be checked by ongoing examination of the laboratory data required under O. Reg. 170/03. Any variation or inconsistency should be examined closer and equipment adjusted, repaired or replaced as required.

I certify that Golder Associates Ltd. Has inspected the site and based on the information that was provided to me, I confirm that the facility meets the requirements of Schedule 2, O. Reg. 170/03 and all equipment required to ensure compliance with Schedules 6 and 9, O. Reg. 170/03 is being provided.

The above report is to be read in conjunction with the information and certification provided in the original report entitled Facility Compliance Certification originally Dated September 30, 2002 prepared by Dennis G. Martin M.Sc.(Eng.), P. Eng.



Declaration of Professional Engineer

Collection of information on this Notice is done so in accordance with the *Safe Drinking Water Act, 2002* and O. Reg. 170/03. Personal information gathered herein is governed by *the Freedom of Information and Protection of Privacy Act*. For questions and concerns, please contact the Ministry of Environment at 1-866-793-2588.

SCHEDULE 21 (SECTION 21-5)

Name of the Drinking Water System (DWS): St. Philip Catholic School
Category of DWS: Small non-municipal non residential
DWS Number: Previously 9108-5dnr6w, Currently 260015574
DWS Owner Name *(Full legal name):* Ottawa Catholic School Board

EXISTING CERTIFICATE(S) OF APPROVAL NUMBER(S) AND DATE OF ISSUE
(as issued under s.52 of the *Ontario Water Resources Act* or s.36 or 56 of the *Safe Drinking Water Act, 2002*)

Certificate(s) of Approval Number(s):	Date of Issue: *(yyyy/mm/dd)*

I hereby state: *(Please check all boxes that apply)*

☑	I am a professional engineer with experience in sanitary engineering relating to drinking water supplies;
☑	I have prepared an engineering evaluation report on this DWS according to the requirements of section 21-5 of O. Reg. 170/03;
☑	The DWS has been visited by myself or a person under my supervision.

In my opinion: *(Please check all boxes that apply)*

☑	The DWS is providing all equipment required in order to ensure compliance with the provisions of Schedule 2 of O. Reg. 170/03;
☑	The DWS is providing all equipment required to ensure compliance with the operational checks, sampling and testing provisions of O. Reg. 170/03 as provided in Schedules 6, 8 or 9 of O. Reg. 170/03 that apply to this DWS;
☑	My report contains the reasons for this opinion as well as the technical and other information I relied on in reaching it;
☑	My report includes a maintenance schedule that sets out the requirements relating to the frequency with which equipment referred to in Schedule 21, section 21-5 clause (d) (i) and (ii) must be inspected, tested and replaced.

Ontario

Drinking Water Systems Regulation (O. Reg. 170/03)
Declaration of Professional Engineer
Schedule 21 (section 21-5)

Please check only if the DWS in question is a Non-Municipal Year-Round Residential or Non-Municipal Seasonal Residential System that relies on point of entry treatment:

☑	Point of entry treatment units required to ensure compliance with the provisions of Schedule 3 of O. Reg. 170/03 have been installed on the plumbing of every building and other structure that is part of a private residence, designated facility, or public facility served by the system.

Professional Engineer's seal is to be affixed in space below and signed by Professional Engineer who prepared the engineering evaluation report.



The signature included in the Engineer's seal affixed to the engineering evaluation report is of:	Dennis G. Martin P.Eng.		
The date the report was sealed is:	YYYY: 2010	MM: April	DD: 8

Company Name: Golder Associates Ltd.		
Mailing Address *(Street Number of Name)*: 32 Steacle Dr.	Unit/Apt Number/Suite	P.O. Box/Rural Route #
City/Town: Kanata	Province/State: ON	Postal Code/Zip Code: K2K 2A9
Telephone Number *(include area code)*: 613 592-9600	Fax Number *(include area code)*: 613 592-9601	

Date of this Declaration of Professional Engineer:	YYYY: 2010	MM: April	DD: 8

An original hard copy of this declaration must be mailed or faxed to:

Ministry of the Environment
Environmental Assessment and Approvals Branch
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario M4V 1L5
Fax: 416-314-8452

Mahoney, James (ENE)

From: Mahoney, James (ENE)
Sent: November-23-12 9:09 AM
To: Holly Glofcheskie
Cc: deBarros, Carol (ENE)
Subject: RE: St. Philip Inspection Request Information

Holly ...

As arranged, I'll be visiting the St. Philip Catholic School in Richmond on Tuesday next week to initiate a compliance review.

From a preliminary review of ministry data and the information Brownlee Water Quality Management has provided there are two issues that may arise from my assessment. I wanted to provide an opportunity for Brownlee Water Quality Management to investigate prior to my drafting of an inspection report.

The first issue revolves around the sample collection frequency for sodium and fluoride. It appears that the two most recent sample collections were in March 2007 and July 2012. While the required sampling frequency for sodium and fluoride is once every 60 months it appears that the sample sets were separated by 64 months. I assume that this is a simple one-time oversight but I want to make certain that there were no additional samples collected within the required 60 month sample collection frequency that somehow are not reflected in the ministry's Drinking Water Information System (DWIS).

The second issue revolves around the apparent absence of resamples for sodium test results exceeding 20 mg/L in 2007 and 2012. Subsection 18-13 of Schedule 18, O. Reg. 170/03 prescribes that the corrective action includes resampling. Again, I want to make certain that there were resamples collected in 2007 and 2012 that somehow were not uploaded into the ministry's DWIS.

Jim Mahoney
Ministry of the Environment
Safe Drinking Water Branch
Kingston-Ottawa-Cornwall Offices
Office Phone: (613) 548-6902
Cell: (613) 453-9724
Email: james.mahoney@ontario.ca

From: Holly Glofcheskie [mailto:holly@brownleewaterquality.com]
Sent: November-07-12 10:34 AM
To: Mahoney, James (ENE)
Subject: St. Philip Inspection Request Information

Good Morning Mr. Mahoney,

Attached are the annual reports and our operator certificates as requested for the upcoming system inspection at St. Philips Catholic School.

I also attached a partial engineer's report but I'll contact Golder and get the full one for you as well.

If you need anything else please let me know. If you would like them, I also can email you copies any lab reports.

Have a Great Day

Holly Glofcheskie
Brownlee Water Quality Management
613.692.2062

64 months { Exova July 29, 2012 FLUORIDE 0.31 mg/L (Limit 1.5 mg/L)
July 25, 2012 Sodium 110.0 mg/L (Limit 20 mg/L)
Accutest March 19, 2007 FLUORIDE 0.32 mg/L
March 19, 2007 Sodium 163.0 mg/L

128 - DW Test Res
as of 17-OCT-2012

Report criteria selected...	
Sampling Date	Between 1-Jan-08 and 18-Oct-12
Sample Exceeding MAC Limit	Non-exceedance, Exceedance
DWS #	260015574
DWS Name	St. Philip Catholic School Well Supply
Number of Samples Results Returned = 360	

Lab Name	DWS Name	Regulation Name	Sample Datetime	Sample Type Name	O. Reg. 170 Parameter Name	Result	Result Units	Parameter Limit	Parameter Limit Units	Result Qualifier	Exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-09-26 08:40:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-09-26 08:40:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-09-26 08:50:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-09-26 08:50:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-08-29 02:50:00 PM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-08-29 02:50:00 PM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-08-29 02:50:00 PM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-08-29 02:55:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-08-29 02:55:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-08-29 03:00:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-08-29 03:00:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-07-24 09:40:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-07-24 09:40:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-07-24 09:55:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-07-24 09:55:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-07-25 09:45:00 AM	Treated Ground Water	Fluoride	0.31	MG/L	1.5	MG/L		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-07-25 09:45:00 AM	Treated Ground Water	Sodium	110.00	MG/L	20	MG/L		Exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-06-26 09:25:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-06-26 09:25:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-06-26 09:30:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-06-26 09:30:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-05-29 10:45:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-05-29 10:45:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-05-29 10:45:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-05-29 10:50:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-05-29 10:50:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-05-29 10:55:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-05-29 10:55:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-04-24 08:50:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-04-24 08:50:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance

Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-04-24 09:00:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-04-24 09:00:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	1,1-Dichloroethylene (Vinylidene Chloride)	0.50	UG/L	0.014	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	1,2-Dichlorobenzene	0.40	UG/L	0.2	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	1,2-Dichloroethane	0.20	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	1,4-Dichlorobenzene	0.40	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	2,3,4,6-Tetrachlorophenol	0.50	UG/L	0.1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	2,4,5-Trichlorophenoxyacetic Acid (2,4,5-T)	1.00	UG/L	0.28	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	2,4,6-Trichlorophenol	0.50	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	2,4-Dichlorophenol	0.50	UG/L	0.9	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	2,4-Dichlorophenoxyacetic Acid (2,4-D)	1.00	UG/L	0.1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Alachlor	0.50	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Aldicarb	9.00	UG/L	0.009	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Aldrin + Dieldrin	0.01	UG/L	0.0007	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Antimony	0.50	UG/L	0.006	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Arsenic	1.00	UG/L	0.025	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Atrazine + N-Dealkylated Metabolites	0.20	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Azinphos-Methyl	2.00	UG/L	0.02	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Barium	10.00	UG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Bendiocarb	2.00	UG/L	0.04	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Benzene	0.50	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Benzo(A)Pyrene	0.01	UG/L	0.00001	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Boron	110.00	UG/L	5	MG/L		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Bromoxynil	0.50	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Cadmium	0.10	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Carbaryl	5.00	UG/L	0.09	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Carbofuran	5.00	UG/L	0.09	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Carbon Tetrachloride	0.20	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Chlordane (Total)	0.02	UG/L	0.007	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Chlorpyrifos	1.00	UG/L	0.09	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Chromium	3.00	UG/L	0.05	MG/L		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Cyanazine	1.00	UG/L	0.01	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Diazinon	1.00	UG/L	0.02	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Dicamba	1.00	UG/L	0.12	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Dichlorodiphenyltrichloroethane (Ddt) + Metabolites	0.02	UG/L	0.03	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Dichloromethane	4.00	UG/L	0.05	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Diclofop-Methyl	0.90	UG/L	0.009	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Dimethoate	2.50	UG/L	0.02	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Dinoseb	1.00	UG/L	0.01	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Diquat	5.00	UG/L	0.07	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Diuron	10.00	UG/L	0.15	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Glyphosate	10.00	UG/L	0.28	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Heptachlor + Heptachlor Epoxide	0.01	UG/L	0.003	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Lindane (Total)	0.01	UG/L	0.004	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Malathion	5.00	UG/L	0.19	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Mercury	0.10	UG/L	0.001	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Methoxychlor	0.01	UG/L	0.9	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Metolachlor	0.50	UG/L	0.05	MG/L	<MDL	Non-exceedance

Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Metribuzin	5.00	UG/L	0.08	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Monochlorobenzene	0.20	UG/L	0.08	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Paraquat	5.00	UG/L	0.01	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Parathion	1.00	UG/L	0.05	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Pentachlorophenol	0.50	UG/L	0.06	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Phorate	0.50	UG/L	0.002	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Picloram	5.00	UG/L	0.19	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Polychlorinated Biphenyls (Pcbs)	0.10	UG/L	0.003	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Prometryne	0.25	UG/L	0.001	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Selenium	1.00	UG/L	0.01	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Simazine	1.00	UG/L	0.01	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Temephos	10.00	UG/L	0.28	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Terbufos	0.40	UG/L	0.001	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Tetrachloroethylene (Perchloroethylene)	0.30	UG/L	0.03	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Triallate	1.00	UG/L	0.23	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Trichloroethylene	0.30	UG/L	0.005	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Trifluralin	0.40	UG/L	0.045	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Uranium	1.00	UG/L	0.02	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:25:00 PM	Treated Ground Water	Vinyl Chloride	0.20	UG/L	0.002	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:15:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:15:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:20:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-03-28 12:20:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-02-23 08:30:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-02-23 08:30:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-02-23 08:30:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-02-23 08:10:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-02-23 08:10:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-02-23 08:15:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-02-23 08:15:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-01-26 01:05:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-01-26 01:05:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-01-26 01:15:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2012-01-26 01:15:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-12-22 10:35:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-12-22 10:35:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-12-22 10:50:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-12-22 10:50:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-11-23 09:50:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-11-23 09:50:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-11-23 09:50:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-11-23 09:35:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-11-23 09:35:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-11-23 09:45:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-11-23 09:45:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-10-27 09:50:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-10-27 09:50:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-10-27 10:10:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-10-27 10:10:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance

Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-09-21 02:40:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-09-21 02:40:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-09-21 03:05:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-09-21 03:05:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-08-24 02:35:00 PM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-08-24 02:35:00 PM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-08-24 02:35:00 PM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-08-24 02:20:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-08-24 02:20:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-08-24 02:30:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-08-24 02:30:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-07-27 11:25:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-07-27 11:25:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-07-27 11:35:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-07-27 11:35:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-06-23 10:10:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-06-23 10:10:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-06-23 10:20:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-06-23 10:20:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-05-26 12:45:00 PM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-05-26 12:45:00 PM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-05-26 12:45:00 PM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-05-26 12:30:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-05-26 12:30:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-05-26 12:40:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-05-26 12:40:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-04-28 11:55:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-04-28 11:55:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-04-28 12:10:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-04-28 12:10:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-03-22 10:45:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-03-22 10:45:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-03-22 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-03-22 11:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-02-24 10:40:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-02-24 10:40:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-02-24 10:40:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-02-24 09:45:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-02-24 09:45:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-02-24 10:30:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-02-24 10:30:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-01-24 01:40:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-01-24 01:40:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-01-24 01:45:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2011-01-24 01:45:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-12-24 08:00:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-12-24 08:00:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-12-24 08:15:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-12-24 08:15:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance

Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-11-25 01:35:00 PM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-11-25 01:35:00 PM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-11-25 01:35:00 PM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-11-25 12:58:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-11-25 12:58:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-11-25 01:25:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-11-25 01:25:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-10-28 01:44:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-10-28 01:44:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-10-28 02:00:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-10-28 02:00:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-09-20 01:45:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-09-20 01:45:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-09-20 02:00:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-09-20 02:00:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-08-17 01:25:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-08-17 01:25:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-08-17 01:35:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-08-17 01:35:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-07-15 02:55:00 PM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-07-15 02:55:00 PM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-07-15 02:55:00 PM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-07-15 02:50:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-07-15 02:50:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-07-15 03:05:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-07-15 03:05:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-06-10 12:00:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-06-10 12:00:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-06-10 12:10:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-06-10 12:10:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-05-05 02:55:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-05-05 02:55:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-05-05 03:05:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-05-05 03:05:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-04-01 10:10:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-04-01 10:10:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-04-01 10:10:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-04-01 10:00:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-04-01 10:00:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-04-01 10:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-04-01 10:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-03-01 10:45:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-03-01 10:45:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-03-01 10:50:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-03-01 10:50:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-02-01 11:00:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-02-01 11:00:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-02-01 11:10:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-02-01 11:10:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance

Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-01-04 11:50:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-01-04 11:50:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-01-04 11:50:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-01-04 11:25:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-01-04 11:25:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-01-04 11:50:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2010-01-04 11:50:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-12-15 10:55:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-12-15 10:55:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-12-07 12:40:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-12-07 12:40:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-11-16 11:25:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-11-16 11:25:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-11-10 10:40:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-11-10 10:40:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-10-19 11:00:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-10-19 11:00:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-10-19 11:00:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-10-19 10:50:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-10-19 10:50:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-10-19 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-10-19 11:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-09-21 11:10:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-09-21 11:10:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-09-14 10:50:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-09-14 10:50:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-08-24 11:20:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-08-24 11:20:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-08-24 11:30:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-08-24 11:30:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-07-27 11:15:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-07-27 11:15:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-07-20 11:40:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-07-20 11:40:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-07-20 11:45:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-07-20 11:45:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Exova Canada [2306] - Ottawa	St. Philip Catholic School Well Supply	O.REG 170/03	2009-07-20 11:45:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-06-29 11:30:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-06-29 11:30:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-06-22 10:35:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-06-22 10:35:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-06-01 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-06-01 11:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-05-25 10:55:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-05-25 10:55:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-05-04 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-05-04 11:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-04-27 10:25:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-04-27 10:25:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance

Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-04-06 11:25:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-04-06 11:25:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-04-06 11:25:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-04-06 11:25:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-04-06 11:25:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-03-30 10:30:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-03-30 10:30:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-03-09 10:50:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-03-09 10:50:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-03-03 11:00:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-03-03 11:00:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-02-09 11:25:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-02-09 11:25:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-02-02 10:25:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-02-02 10:25:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-01-12 10:35:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-01-12 10:35:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-01-12 10:35:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-01-12 10:35:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-01-12 10:35:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-01-05 10:40:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2009-01-05 10:40:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-12-15 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-12-15 11:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-12-08 10:40:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-12-08 10:40:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-11-17 10:20:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-11-17 10:20:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-11-10 11:15:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-11-10 11:15:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-10-21 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-10-21 11:00:00 AM	Raw Ground Water	Total Coliform	9	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-10-14 10:55:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-10-14 10:55:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-10-14 11:20:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-10-14 11:20:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.10	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-10-14 11:20:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-09-22 11:10:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-09-22 11:10:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-09-15 11:00:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-09-15 11:00:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-08-25 10:55:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-08-25 10:55:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-08-18 11:20:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-08-18 11:20:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-28 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-28 11:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-21 11:10:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-21 11:10:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance

Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-02 11:10:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.18	MG/L	10	MG/L	<RDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-02 11:10:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.18	MG/L	10	MG/L	<RDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-02 11:10:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.10	MG/L	1	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-02 11:10:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-07-02 11:10:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-06-23 11:15:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-06-23 11:15:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-06-02 11:00:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.1000	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-06-02 11:00:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.1000	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-06-02 11:00:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.1000	MG/L	1	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-06-02 11:00:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-06-02 11:00:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-05-26 10:45:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-05-26 10:45:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-05-05 12:00:00 PM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-05-05 12:00:00 PM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-04-28 12:00:00 PM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-04-28 12:00:00 PM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-04-07 10:50:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-04-07 10:50:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-31 11:15:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-31 11:15:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-10 11:25:00 AM	Treated Ground Water	Nitrate (As Nitrogen)	0.1000	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-10 11:25:00 AM	Treated Ground Water	Nitrate + Nitrite (As Nitrogen)	0.1000	MG/L	10	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-10 11:25:00 AM	Treated Ground Water	Nitrite (As Nitrogen)	0.1000	MG/L	1	MG/L	<MDL	Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-10 11:15:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-10 11:15:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-03 10:35:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest - Bodycote Laboratory (Ottawa)	St. Philip Catholic School Well Supply	O.REG 170/03	2008-03-03 10:35:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-02-04 11:00:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-02-04 11:00:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-01-28 10:45:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-01-28 10:45:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-01-07 11:15:00 AM	Raw Ground Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-01-07 11:15:00 AM	Raw Ground Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-01-07 11:25:00 AM	Distributed Drinking Water	Escherichia Coli	0	CFU/100ML	0	CFU/100ML		Non-exceedance
Accutest Laboratories Ltd. - Nepean	St. Philip Catholic School Well Supply	O.REG 170/03	2008-01-07 11:25:00 AM	Distributed Drinking Water	Total Coliform	0	CFU/100ML	0	CFU/100ML		Non-exceedance

Wells, Susan (MECP)

From: Hamilton-Browne, Shannon (MECP)
Sent: September 13, 2022 12:32 PM
To: steven.mills@ocsb.ca; paul.proulx@ocsb.ca; Nathan Linton; Raff Giordano
Subject: St. Philip Catholic School Well Supply - 2021 Year-at-a-Glance Report
Attachments: YAAG-St. Philip Catholic School Well Supply.pdf

Good afternoon,

The attached summary report is tailored to your non-municipal drinking water system serving a designated facility.

The intention of these reports is to verify profile information and help ensure sampling is undertaken as required. Note that a few limitations exist in this report that may apply to you:

- Lead sampling data is not included.
- The ministry's database cannot identify whether production wells are in use in each month and whether you were required to sample. If the correct number of samples were taken for each production well, you may disregard the yellow highlight flags for that segment.
- The ministry can not tell if your system was shut down for more than 7 days and qualified for the sampling exemption. If the correct number of samples was taken including the required samples for returning to operation, you may disregard the yellow highlight flags for that segment.

The attached report shows that samples were last tested for the inorganic and organic parameters of Schedules 23 & 24 in March 2017 and were due to be tested in March 2022; and July 2017 for Sodium and Fluoride. A more recent search of the ministry's databases showed that samples were most recently taken on March 22, 2022 for the Schedules 23 & 24 parameters and on June 27, 2022 for Sodium and Fluoride. No further action is required to be taken.

Should you wish to contact me to provide suggestions about how this report can be improved or to discuss other aspects of this communication, I can be reached by email at shannon.hamiltonbrowne@ontario.ca.

Should you wish to discuss the sampling and testing requirements or other drinking water system regulatory requirements, please contact the area MECP Water Inspector Pat Lalonde who can be reached by email at Patrick.Lalonde@ontario.ca or by phone at 613- 363-1652.

Regards,

Shannon Hamilton-Browne
Water Inspector / Provincial Officer, Badge #802
Ministry of the Environment, Conservation and Parks
Drinking Water and Environmental Compliance Division
Ottawa District Office
103-2430 Don Reid Drive, Ottawa, ON K1H 1E1
Cell: 613-808-4255

Office: 613-521-3450 Toll Free: 1-800-860-2195
Fax: 613-521-5437 Email: shannon.hamiltonbrowne@ontario.ca
Spills Action Centre (24/7): 1-800-268-6060
To Report Pollution or an environmental concern Call 1-866-MOE-TIPS (663-8477)
Please consider the environment before printing this email.

Ministry of the Environment, Conservation and Parks

Office of the Deputy Chief Drinking Water Inspector
8th Floor, 5775 Yonge Street
Toronto ON M2M 4J1

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Bureau de l'Inspectrice en Chef Adjointe de l'Eau Potable
8th Floor, 5775 Yonge Street
Toronto (Ontario) M2M 4J1

Ontario

Drinking Water System (DWS) Year-at-a-Glance 2021 Summary Report

Attn: Steve Mills, Co-Ordinator Of Maintenance/Facilities
570 West Hunt Club Rd ,Nepean,ON,K2G 3R4

DWS Name: St. Philip Catholic School Well Supply

Action 1: Review the "Required Sampling vs. Received" Tables (Section 1)

This report includes the number of samples you were required to take for each drinking water parameter followed by the number of sample results the ministry received from your licensed laboratory. In cases where the number of samples taken is less than the number required, the information has been flagged in yellow for easy identification.

If your report has flags identified in yellow:

- Share this report with the person who collects samples at your drinking water system
- Prepare a plan to ensure that the correct number of samples will be taken
- If the information provided does not match your records, contact your licensed laboratory to have them upload any missing results

NOTE: If the tables in Section 1 show missing RAW water microbiological (EC/TC) samples AND your drinking water system obtains water from a surface water source (lake, river), please disregard as there are no requirements to collect raw microbiological samples where a surface water source is used.

Action 2: Investigate the cause of any Adverse Water Quality Incidents (AWQIs) and take action to prevent reoccurrence (Section 2)

The last table in this report, entitled "Exceedances of the ODWQS", provides a list of sample results that did not meet the Ontario Drinking Water Quality Standards (ODWQS). It is important that you consider patterns of repeated AWQIs and look for long term resolutions to reduce risks to consumers. No action is required where Section 2 is blank.

If you see a pattern of repeated AWQIs and you have not already discussed long term solutions with a Water Inspector, you may wish to contact them to discuss next steps.

Action 3: Review your Drinking Water System Profile Information (Section 3)

The information listed in Section 3 of this report outlines profile information specific to your drinking water system, including contact information. You are required by law to inform the Ministry of the Environment, Conservation and Parks of any changes to your profile within 10 days

If you see incorrect information in your Drinking Water System Profile:

- Complete and submit a Drinking Water System Profile Information Form to waterforms@ontario.ca; you have to fill out only the information that changed
- If you require assistance, contact the Drinking Water Registration Helpline at 1-866-793-2588

Action 4: Consider the Following :

- Prepare your Annual Report according to the requirements of Section 11 of O. Reg. 170/03 and make it available as required
- Perform all maintenance activities outlined in your Engineering Evaluation Report.
- Confirm your trained person's designation or certified operator's license has not expired
- Contact your Water Inspector if you have any questions or require assistance

DWS Year-at-a-Glance 2021 Summary Report

Section 1: Samples Received vs Required

EC Raw and Distribution

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Escherichia Coli	Distribution:St. Philip Catholic School Well Supply	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12
	Groundwater	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12

TC Raw and Distribution

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Coliform	Distribution:St. Philip Catholic School Well Supply	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12
	Groundwater	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12

No HPC Data Available

Lead Distribution:

No Lead Distribution Data Available

Nitrate and Nitrite

O. Reg. 170 Parameter Name	Total # of samples required per Year	Total # of samples received
Nitrate (As Nitrogen)	4	4
Nitrite (As Nitrogen)	4	4

Sodium and Fluoride

O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
Fluoride	1	1	25-Jul-17
Sodium	1	2	29-Aug-17

Inorganic

O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
Antimony	1	1	28-Mar-17
Arsenic	1	1	28-Mar-17
Barium	1	1	28-Mar-17
Boron	1	1	28-Mar-17
Cadmium	1	1	28-Mar-17
Chromium	1	1	28-Mar-17
Mercury	1	1	28-Mar-17
Selenium	1	1	28-Mar-17
Uranium	1	1	28-Mar-17

Organic

O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
1,1-Dichloroethylene (Vinylidene Chloride)	1	1	28-Mar-17

DWS Year-at-a-Glance 2021 Summary Report

Organic			
O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
1,2-Dichlorobenzene	1	1	28-Mar-17
1,2-Dichloroethane	1	1	28-Mar-17
1,4-Dichlorobenzene	1	1	28-Mar-17
2,3,4,6-Tetrachlorophenol	1	1	28-Mar-17
2,4-Dichlorophenol	1	1	28-Mar-17
2,4-Dichlorophenoxyacetic Acid (2,4-D)	1	1	28-Mar-17
2,4,6-Trichlorophenol	1	1	28-Mar-17
Alachlor	1	1	28-Mar-17
Atrazine + N-Dealkylated Metabolites	1	1	28-Mar-17
Azinphos-Methyl	1	1	28-Mar-17
Benzene	1	1	28-Mar-17
Benzo(A)Pyrene	1	1	28-Mar-17
Bromoxynil	1	1	28-Mar-17
Carbaryl	1	1	28-Mar-17
Carbofuran	1	1	28-Mar-17
Carbon Tetrachloride	1	1	28-Mar-17
Chlorpyrifos	1	1	28-Mar-17
Diazinon	1	1	28-Mar-17
Dicamba	1	1	28-Mar-17
Dichloromethane	1	1	28-Mar-17
Diclofop-Methyl	1	1	28-Mar-17
Dimethoate	1	1	28-Mar-17
Diquat	1	1	28-Mar-17
Diuron	1	1	28-Mar-17
Glyphosate	1	1	28-Mar-17
Malathion	1	1	28-Mar-17
Metolachlor	1	1	28-Mar-17
Metribuzin	1	1	28-Mar-17
Monochlorobenzene	1	1	28-Mar-17
Paraquat	1	1	28-Mar-17
Pentachlorophenol	1	1	28-Mar-17
Phorate	1	1	28-Mar-17
Picloram	1	1	28-Mar-17
Polychlorinated Biphenyls (Pcbs)	1	1	28-Mar-17
Prometryne	1	1	28-Mar-17

DWS Year-at-a-Glance 2021 Summary Report

Organic			
O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
Simazine	1	1	28-Mar-17
Terbufos	1	1	28-Mar-17
Tetrachloroethylene (Perchloroethylene)	1	1	28-Mar-17
Triallate	1	1	28-Mar-17
Trichloroethylene	1	1	28-Mar-17
Trifluralin	1	1	28-Mar-17
Vinyl Chloride	1	1	28-Mar-17

Section 2: Exceedances of the ODWQS

No Exceedance Data Available

Section 3: Your DWS Profile Information

DWS #	260015574
MECP Assigned Name	St. Philip Catholic School Well Supply
Category	SNMNRS
Regulation Short Name	O.REG 170/03
DWS Type	Well Supply
Source Type	Ground Water
Address	79 Maitland Street, Richmond, Ontario, K0A 2Z0, Canada
Region	Eastern Region
District	Ottawa District
Municipality	Ottawa
Public Health Unit	City Of Ottawa Health Department

DWS OPERATIONAL INFORMATION

Population:	
Rated Daily Capacity (L/S)	2.8
LSN Compliance Status:	*Complete LSN*
24/7 Contact	On-Call Operator, On-Call Operator
24/7 Contact Info	p: (613)2394043, f: - , e: info@brownleewaterquality.com, c: (613)2394043, pg: (613)2394043

DWS OWNER INFORMATION

Owner Legal Name	Ottawa Catholic School Board
Owner Business Name	Ottawa Catholic School Board
Owner Address	570 West Hunt Club Rd ,Nepean,ON,K2G 3R4
Owner Contact	Steve Mills, Co-Ordinator Of Maintenance/Facilities
Owner Contact Info	p: (613)2244455 x2318, f: (613)2250698, e: steven.mills@ocsb.ca
Owner Alternate Contact	Paul Proulx, Manager Of Maintenance And Operations
Owner Alternate Contact Info	p: (613)2244455 x2320, f: - , e: paul.proulx@ocsb.ca

DWS OPERATING AUTHORITY INFORMATION

Op. Authority Legal Name	Brownlee Water Quality Management Inc.
Op. Authority Business Name	Brownlee Water Quality Management Inc.
Op. Authority Address	5431 North Riverside Dr,Post Office Box Delivery ,587,Manotick,ON,K4M 1A5
Op. Authority Contact	Nathan Linton, Dws Operator

DWS Year-at-a-Glance 2021 Summary Report

Op. Authority Contact Info	p: (613)6922062, f: - , e: nathan@brownleewaterquality.com
Op. Authority Alternate Contact	Raff Giordano, Dws Operator
Op. Authority Alternate Contact Info	p: (613)6922062, f: - , e: raff@brownleewaterquality.com
DWS TREATMENT PROCESS INFORMATION	CHLORINATION

INCIDENT REPORT

DW System

System Name:	ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
System Address:	79 MAITLAND ST RICHMOND ON K0A 2Z0
District Office:	Ottawa District
DWS #:	260015574
DWS Category:	Small Non-Municipal Non-Residential

DWS Owner

Owner Name:	OTTAWA CATHOLIC SCHOOL BOARD
Owner Mailing Address:	570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4
Owner Physical Address:	570 WEST HUNT CLUB RD NEPEAN ON Canada K2G 3R4
Owner Phone:	
Owner Fax:	
Owner Email:	
Client Type:	SCHOOL BOARD

MECP Information

Incident Report #:	1-11QF-1	**Master Incident Report #:**	
AWQI #:	70576	**Master AWQI #:**	
Date & Time Reported to MECP:	Mar 20, 2007 14:34:36		
Office Receiving Incident Report:	SAC		
Incident Info Received By:	LASZLO BARTI		
Incident Type:	AWQI		
Referring Inspection Report #:			
Incident Summary:	Na=163 mg/L Lab Matrix < 11		
MECP Response:	No Field Response	**Date & Time MECP Arrival:**	
Was an ERP called out?	N	**IDS Reference #:**	

Incident Description

Incident Date	Incident Description	Created By
Mar 20, 2007 15:36:47	Na=163 mg/L Lab Matrix < 11	SADMIN
Apr 03, 2007 15:16:43	Section 2(a) of the notification indicates that a resample was taken. Section 2(b) NIR received April 2, 2007. "Summary of Action Taken...: Instructions issued to school to post sodium instructions." Prepared by J. Porteous, Date: April 2, 2007. A copy of the instructions prepared by the Ottawa-Carleton Catholic School Board, titled "Sodium Advisory Notice for Drinking Water", dated March 29, 2007, was provided with the NIR. The document was signed by John Spencer, Occupational Health and Safety Officer. No further action is required at this time. This incident is recommended for closure. C. Villeneuve, April 3, 2007.	VILLENCH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
03/19/2007 12:20:00	TREATED: ground water		Sodium	MG/L	163	163	163	163		

Offences

Suspected Violation(s)/Offence(s)

Caller/PO Information

Contact Name:
Telephone #:
Email Address:
Mailing Address:

Company:
Fax Number:

Provincial Officer

Name: Christine Villeneuve
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

Badge #: 1048
District/Area Office: Ottawa District

Supervisor

Name: Don Munro
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

District/Area Office: Ottawa District

Ontario

Ministry of the Environment

INCIDENT REPORT

DW System

Name: R243 ST JOHN THE APOSTLE ELEMENTARY SCHOOL (4065)

Address: 30 COSTELLO ST
NEPEAN ON K2H 7C5

District Office: Ottawa District

DWS #: 500037350

DWS Category: Designated Facility

DWS Owner

Name: OTTAWA CATHOLIC SCHOOL BOARD

Mailing Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Phone: (613) 224-4455

Fax:

Email:

Client Type: SCHOOL BOARD

MOE Information

Incident Report #: 1-3JX4-3

Master Incident Report #:

AWQI #: 106818

Master AWQI #:

Date & Time Reported to MOE: July 03, 2012 12:21:33 PM

Office Receiving Incident Report: SAC

Incident Info Received By: SAC

Incident Type: O.Reg. 243 Lead Exceedence

Referring Inspection Report #:

Incident Summary: R243 Lead Exceedance

MOE Response: No Field Response

Date & Time MOE Arrival:

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Description	Created By
July 03, 2012 12:21:33 PM	R243 Lead Exceedance	SADMIN
July 03, 2012 01:57:22 PM	CP - review Lab notification: standing 42 µg/L and flushed = < 1 µg/L	PRIMEACH
October 22, 2012 10:20:04 AM	CP - as per requested, owner provides Section C1 & C2. exceedance in Standing only. Daily flushing ongoing. no further action and recommend closure.	PRIMEACH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
June 20, 2012 12:00:00 AM			Lead	MG/L				0.042		

Caller/PO Information

Contact Name:

Company:

Telephone #:

Fax Number:

Email Address:

Mailing Address:

Updates

Date DWS Written Notification Provided:

Date Resolved:

Date Lab Written Notification Provided: July 03, 2012 11:51:00 AM

Notice of Resolution Provided:

Provincial Officer

Name: Charlie Primeau

Badge #:

Work Unit: Drinking Water Inspections Unit

District/Area Office: Ottawa District

Date: October 22, 2012

Signature:

Supervisor

Name: James Mahoney

Work Unit: Drinking Water Inspections Unit

District/Area Office: Ottawa District

Date: October 22, 2012

Signature: J Mahoney

Ontario

Ministry of the Environment

INCIDENT REPORT

DW System

Name: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Address: 79 MAITLAND ST
RICHMOND ON K0A 2Z0

District Office: Kingston District

DWS #: 260015574

DWS Category: Small Non-Municipal Non-Residential

DWS Owner

Name: OTTAWA CARLETON CDSB

Mailing Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Phone: (613) 224-4455

Fax:

Email:

Client Type: CORPORATION

MOE Information

Incident Report #: 1-3LTO-6

Master Incident Report #:

AWQI #: 107601

Master AWQI #:

Date & Time Reported to MOE: July 27, 2012 09:09:49 AM

Office Receiving Incident Report: SAC

Incident Info Received By: SAC

Incident Type: AWQI

Referring Inspection Report #:

Incident Summary: Sodium = 110 mg/L

2012/07/31 13:55 sect 1,3 r

MOE Response: No Field Response

Date & Time MOE Arrival:

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Description	Created By
July 31, 2012 01:42:55 PM	Sodium = 110 mg/L 2012/07/31 13:55 sect 1,3 rec'd	SADMIN
August 01, 2012 09:14:08 AM	CP - Review Lab notification & Section 2A. ongoing sodium issue. Owner reports that drinking water advisory letter will be issued by health inspector. no further action required and recommend closure	PRIMEACH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
July 25, 2012 09:45:00 AM	TREATED: groundwater		Sodium	MG/L		110		110		

Caller/PO Information

Contact Name: **Company:**

Telephone #: **Fax Number:**

Email Address:

Mailing Address:

Updates

Date DWS Written Notification Provided: July 31, 2012 12:00:00 AM

Date Resolved:

Date Lab Written Notification Provided: July 31, 2012 01:55:00 PM

Notice of Resolution Provided:

Provincial Officer

Name: Charlie Primeau

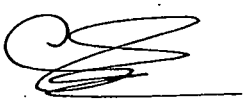
Badge #:

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: August 01, 2012

Signature:



Supervisor

Name: James Mahoney

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: August 01, 2012

Signature:



INCIDENT REPORT

DW System

System Name:	ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
System Address:	79 MAITLAND ST RICHMOND ON K0A 2Z0
District Office:	Ottawa District
DWS #:	260015574
DWS Category:	Small Non-Municipal Non-Residential

DWS Owner

Owner Name:	OTTAWA CATHOLIC SCHOOL BOARD
Owner Mailing Address:	570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4
Owner Physical Address:	570 WEST HUNT CLUB RD NEPEAN ON Canada K2G 3R4
Owner Phone:	
Owner Fax:	
Owner Email:	
Client Type:	SCHOOL BOARD

MECP Information

Incident Report #:	1-7T6C-9	**Master Incident Report #:**	
AWQI #:	134620	**Master AWQI #:**	
Date & Time Reported to MECP:	Jul 26, 2017 14:48:00		
Office Receiving Incident Report:	SAC		
Incident Info Received By:	JULIAN ARISTIZABAL		
Incident Type:	AWQI		
Referring Inspection Report #:			
Incident Summary:	Na 205 mg/L HU has been left message, currently r		
MECP Response:		**Date & Time MECP Arrival:**	
Was an ERP called out?	N	**IDS Reference #:**	

Incident Description

Incident Date	Incident Description	Created By
Jul 26, 2017 14:48:00	Na 205 mg/L HU has been left message, currently resampling at this time, waiting on HU. matrix<11	SADMIN
Jan 14, 2019 13:50:17	CP - incident resolved	PRIMEACH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
07/25/2017 09:20:00	ENTRY POINT: GROUNDWATER(100000010013)	location unknown	Sodium	MG/L	205	205	205	205	N/A	

Offences

Suspected Violation(s)/Offence(s)

Caller/PO Information

Contact Name:
Telephone #:
Email Address:
Mailing Address:

Company:
Fax Number:

Provincial Officer

Name: Charlie Primeau
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

Badge #: 1420
District/Area Office: Ottawa District

Supervisor

Name: James Mahoney
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

District/Area Office: Ottawa District

Ontario

Ministry of the Environment, Conservation and Parks

INCIDENT REPORT

DW System

Name: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Address: 79 MAITLAND ST
RICHMOND ON K0A 2Z0

District Office: Ottawa District

DWS #: 260015574

DWS Category: Small Non-Municipal Non-Residential

DWS Owner

Name: OTTAWA CATHOLIC SCHOOL BOARD

Mailing Address: 570 WEST HUNT CLUB Rd NEPEAN ON
Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB RD NEPEAN ON
Canada K2G 3R4

Phone:

Fax:

Email:

Client Type: SCHOOL BOARD

MECP Information

Incident Report #: 1-NHJK-8

Master Incident Report #:

AWQI #: 158956

Master AWQI #:

Date & Time Reported to MECP: Jun 30, 2022 00:45:00

Office Receiving Incident Report: SAC

Incident Info Received By: IAN OOSTING

Incident Type: AWQI

Referring Inspection Report #:

Incident Summary: Sodium = 195 mg/L
Matrix TBD

MECP Response: No Field Response

Date & Time MECP Arrival:

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Desctiption	Created By
Jun 30, 2022 00:45:00	Sodium = 195 mg/L Matrix TBD	SADMIN
Aug 22, 2022 07:40:17	- Sample collected from the treated water tap on June 26, 2022 for sodium testing showed an exceedance with a concentration of 195 mg/L. - The exceedance was reported by the laboratory on June 30, 2022 and provided Section 1 & 3. - The operating authority for the school reported the exceedance on June 30, 2022 and provided Section 2A. - Corrective actions taken were resample and test along with posting notices of high sodium. - Resample taken had a result of 214 mg/l. Section 2 B provided on July 27, 2022. Ottawa Public Health 9 (OPH) has issued an advisory due the elevated sodium levels. NFAR Recommend for closure	LALONDEPA

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
06/27/2022 13:45:00	ENTRYPOINT:GROUNDWATER(100000010013)		Sodium	MG/L	195	195	195	195	N/A	

Offences
Suspected Violations(s)/Offences(s)

Caller/PO Information

Contact Name:
Telephone #:
Email Address:
Mailing Address:

Company:
Fax Number:

Provincial Officer

Name: Patrick Lalonde
Work Unit: **Drinking Water Inspections Unit**

Badge #:
District/Area Office: Ottawa District

Date: August 22, 2022
Signature:



Supervisor

Name: Charlie Primeau
Work Unit: **Drinking Water Inspections Unit** **District/Area Office:** Ottawa District
Date: August 22, 2022
Signature:

Ontario

Ministry of the Environment

INCIDENT REPORT

DW System

Name: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Address: 79 MAITLAND ST, RICHMOND, K0A 2Z0, Canada

District Office: Kingston District

DWS #: 260015574

DWS Category: Small Non-Municipal Non-Residential

DWS Owner

Name: OTTAWA CARLETON CDSB

Mailing Address: 570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4

Phone: (613) 224-4455

Fax:

Email:

Client Type: CORPORATION

MOE Information

Incident Report #: 1-AGPBM

Master Incident Report #:

AWQI #:

Master AWQI #:

Date & Time Reported to MOE: November 27, 2012 02:14:03 PM

Office Receiving Incident Report: KINGSTON DISTRICT

Incident Info Received By: JAMES MAHONEY

Incident Type: Inspection Non-Compliance

Referring Inspection Report #: 1-AAFSW

Incident Summary: 2012-2013 Inspection Non-Compliance

MOE Response: No Further Response

Date & Time MOE Arrival: November 27, 2012 02:21:21 PM

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Description	Created By
November 27, 2012 02:29:30 PM	On November 27, 2012, James Mahoney visited the St. Philip Catholic School for the purpose of completing a compliance assessment. James Mahoney was accompanied by Custodian Jeff Black and Keith Brownlee of Brownlee Drinking Water Quality Management Inc. Through on-site discussion with Keith Brownlee and information exchanges with Holly Glockenspiel of Brownlee Water Quality Management it was confirmed that a monitoring oversight occurred resulting in the late collection of the 2012 sodium and fluoride sample. Brownlee Water Quality Management also acknowledged that sodium re-sampling had not occurred in the aftermath of the 2012 adverse test result and that corrective action in the future would include re-sampling for sodium exceedances. Brownlee Water Quality Management Inc. has implemented measures to ensure that the non-compliance issues cited in the inspection report do not recur.	MAHONEJA
November 29, 2012 02:37:56 PM	Inspection findings have been documented in LWIS Inspection Report 1-AAFSW. Although the inspection report provided a due date for communication of corrective measures Brownlee Water Quality Management Inc.'s Holly Glofcheskie, in an e-mail addressed to James Mahoney on November 27, 2012 had already acknowledged the errors and committed the company to modified actions in the future.	MAHONEJA

Offences

Suspected Violations(s)/Offences(s)

Provision/Provision Wording: O.Reg. 170/03 18-0

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Subsection 18-13 of Schedule 18, O. Reg. 170/03 prescribes corrective action to be taken when an Adverse Water Quality Incident is reported for sodium. The two prescribed corrective actions are:

1. Resample and test as soon as reasonably possible; and,

2. If a concentration of sodium that exceeds 20 milligrams per litre is detected under paragraph 1, take such other steps as are directed by the medical officer of health.

DWIS does not contain re-sample results for either the 2007 or the 2012 notification of elevated sodium test results.

Actions/Recommendations:

Offences

Suspected Violations(s)/Offences(s)

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that O. Reg. 170/03 prescribed corrective actions will be implemented in their entirety for all incidents where a report is required to be made under section 18 of the Safe Drinking Water Act.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Provision/Provision Wording: O.Reg. 170/03 15-5

15-5. The owner of a drinking water system and the operating authority for the system shall ensure that at least one water sample is taken every 60 months and tested for sodium.

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Approximately 64 months seperated the collection of treated water sodium samples in March 2007 and July 2012. Subsection 15-5 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for sodium.

Actions/Recommendations:

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future sodium sample collections will conform with the required frequency set out in O. Reg. 170/03.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Provision/Provision Wording: O.Reg. 170/03 15-6

15-6. The owner of the system and the operating authority for the system shall ensure that at least one water sample is taken at least once every 60 months and tested for fluoride.

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Approximately 64 months seperated the collection of treated water fluoride samples in March 2007 and July 2012. Subsection 15-6 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for fluoride.

Actions/Recommendations:

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future fluoride sample collections will conform with the required frequency set out in O. Reg. 170/03.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Caller/PO Information

Contact Name:

Company:

Telephone #:

Fax Number:

Email Address:

Mailing Address:

Provincial Officer

Name: Annette Sterling

Badge #: 1293

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: November 29, 2012

Signature: J Mahoney

Supervisor

Name: James Mahoney

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: November 29, 2012

Signature: J Mahoney

Ontario

ST. PHILIP CATHOLIC SCHOOL
79 MAITLAND ST, GREATER NAPANEE, ON, K0A 2Z0

Inspection Report

System Number:	260015574
Inspection Start Date:	02/01/2022
Inspection End Date:	03/08/2022
Inspected By:	David Trombley
Badge #:	1532

(signature)

NON-COMPLIANCE/NON-CONFORMANCE ITEMS

This should not be construed as a confirmation of full compliance with all potential applicable legal requirement and BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: Regulated Activity: DRINKING WATER : DW Designated Facility

Question ID	NMDFDW1002000	
Question	**Question Type**	**Legislative Requirement**
What was the scope of this inspection?	Information	Not Applicable

Observation

The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as conformance with ministry drinking water policies and guidelines during the inspection period. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of this drinking water system focusing on the water source, treatment components, applicable distribution components, sampling and monitoring programs, and response to adverse water quality incidents.

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O.Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements. A detailed inspection of the St. Philip Catholic School Well Supply was conducted by Water Inspector David Trombley and included a site inspection consisting of a physical inspection of the drinking water system components, document review and operator interviews. Additional data review was conducted at MECP offices. Water Inspector David Trombley was accompanied by Ryan Armstrong, Head Custodian of the facility and Nathan Linton of Brownlee Water Quality Management Inc. Operator for the drinking water system. The document review period for this inspection is from January 1, 2020 to February 1, 2022 and shall be known as the "inspection period" for the purposes of this report.

Question ID	NMDFDW1027000	
Question	**Question Type**	**Legislative Requirement**
Do records indicate that the system components were maintained in accordance with the manufacturer's instructions or annually?	BMP	Not Applicable

Observation

Records indicated that the system components were maintained in accordance with the manufacturer's instructions or annually.

Question ID	NMDFDW1047000		
Question		**Question Type**	**Legislative Requirement**
Do all operators and trained persons possess the required certification/designation?		Legislative	SDWA | 11 | (1)
Observation			
All operators and trained persons did possess the required certification/designation.			

Question ID	NMDFDW1041000		
Question		**Question Type**	**Legislative Requirement**
For every required operational test and for every required sample, is a record made of the date, time, location, name of the person conducting the test and result of the test?		Legislative	SDWA | O. Reg. 170/03 | 6-10 | (1),SDWA | O. Reg. 170/03 | 6-10 | (2)
Observation			
For every required operational test and every required sample, a record was made of the date, time, location, name of the person conducting the test and result of the test.			

Question ID	NMDFDW1046000		
Question		**Question Type**	**Legislative Requirement**
Are required documents made available free-of-charge during normal business hours at a location accessible to the public?		Legislative	SDWA | O. Reg. 170/03 | 12 | (1), SDWA | O. Reg. 170/03 | 12 | (2), SDWA | O. Reg. 170/03 | 12 | (3), SDWA | O. Reg. 170/03 | 12 | (4), SDWA | O. Reg. 170/03 | 12 | (5)
Observation			
Required documents were made available free-of-charge during normal business hours at a location accessible to the public. It was observed at the time of the inspection that required documents are kept on-site and are available free-of-charge during regular business hours. Public access/notice of the drinking water system annual report is also provided via the School Newsletter.			

Question ID	NMDFDW1006000		
Question		**Question Type**	**Legislative Requirement**
Has the owner submitted a drinking water system profile		Legislative	SDWA | O. Reg.

information form to the ministry?		170/03 | 10.1 | (2)
Observation		
The drinking water system was registered with the Ministry and the required notices containing information about the system have been provided to the Ministry. A drinking water system profile information form was provided to the ministry. The drinking water system was assigned registration # 260015574 and is classified as a small non-municipal, non-residential drinking water system serving a designated facility (school).		

Question ID	NMDFDW1009000	
Question	**Question Type**	**Legislative Requirement**
Is the owner maintaining the well(s) in a manner sufficient to prevent entry into the well of surface water and foreign materials?	Legislative	OWRA | R.R.O. 1990, Reg. 903 | 20 | (1)
Observation		
The owner was maintaining the well(s) in a manner sufficient to prevent entry of surface water and foreign materials.		

Question ID	NMDFDW1016000	
Question	**Question Type**	**Legislative Requirement**
Is the system in compliance with the requirement to provide the minimum level of treatment as prescribed by subsection 2-2 (1) of Schedule 2 of O. Reg. 170/03?	Legislative	SDWA | O. Reg. 170/03 | 2-2 | (1)
Observation		
The owner was compliance with the requirement to provide the minimum level of treatment as prescribed by subsection 2-2 (1) of Schedule 2 of O. Reg. 170/03.		

Question ID	NMDFDW1075000	
Question	**Question Type**	**Legislative Requirement**
If the system uses a UV unit for primary disinfection, has the owner and operating authority ensured that the system is designed and operated in accordance with section 2-6 of Schedule 2?	Legislative	SDWA | O. Reg. 170/03 | 2-6 | (1), SDWA | O. Reg. 170/03 | 2-6 | (2), SDWA | O. Reg. 170/03 | 2-6 | (3)
Observation		
The owner and operating authority had ensured that the UV system was equipped with an alarm or shut-off, and maintained to ensure adequate primary disinfection. At the time of the inspection it was observed that the UV disinfection system is provided with audible alarms and automatic shutdown mechanisms in the event that the equipment loses power or fails to provide adequate disinfection.		

Question ID	NMDFDW1054000		
Question		**Question Type**	**Legislative Requirement**
Have all distribution system microbiological sampling requirements prescribed by Schedule 12 of O.R. 170/03 been conducted within the required frequency and at the required location?		Legislative	SDWA | O. Reg. 170/03 | 12-2 | (1),SDWA | O. Reg. 170/03 | 12-2 | (2),SDWA | O. Reg. 170/03 | 12-2 | (3),SDWA | O. Reg. 170/03 | 12-2 | (7)
Observation			
The owner had provided adequate security measures to protect components of the drinking water system. Sampling records indicate that during the inspection period distribution/plumbing water samples were collected monthly and tested for Escherichia coli and total coliform bacteria. This sampling meets the legislative requirements.			

Question ID	NMDFDW1063000		
Question		**Question Type**	**Legislative Requirement**
Have all nitrate/nitrite sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-4 | (1),SDWA | O. Reg. 170/03 | 15-4 | (2),SDWA | O. Reg. 170/03 | 15-4 | (3)
Observation			
Nitrate/nitrite sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that during the inspection period distribution/plumbing water samples were collected quarterly during the months of January, April, July and October and tested for Nitrates and Nitrites. This sampling meets the legislative requirements.			

Question ID	NMDFDW1089000		
Question		**Question Type**	**Legislative Requirement**
Did results of Ministry audit sampling meet the standards included in the Ontario Drinking Water Quality Standards (O. Reg. 169/03) and O. Reg 170/03?		BMP	Not Applicable
Observation			

Results of Ministry audit sampling met the standards included in the Ontario Drinking Water Quality Standards (O. Reg. 169/03) and O. Reg 170/03.

Question ID	NMDFDW1015000		
Question		**Question Type**	**Legislative Requirement**
Was an Engineering Evaluation Report prepared as required by Schedule 21 of O. Reg. 170/03?		Legislative	SDWA | O. Reg. 170/03 | 21-2 | (1),SDWA | O. Reg. 170/03 | 21-2 | (2),SDWA | O. Reg. 170/03 | 21-2 | (3),SDWA | O. Reg. 170/03 | 21-2 | (4),SDWA | O. Reg. 170/03 | 21-3 | (1),SDWA | O. Reg. 170/03 | 21-3 | (2),SDWA | O. Reg. 170/03 | 21-3 | (3)
Observation			
An Engineering Evaluation Report was prepared as required by Schedule 21 of O. Reg. 170/03. A "Notice of Completion of an Engineering Evaluation Report for Existing System", dated April 8, 2010, was prepared by Golder Associates Ltd. and received by the ministry on April 13, 2010.			

Question ID	NMDFDW1031000		
Question		**Question Type**	**Legislative Requirement**
Does the owner have evidence indicating that all chemicals used in the treatment process and all materials contacting the water have met the AWWA and ANSI standards?		BMP	Not Applicable
Observation			
The owner had evidence that indicated that all chemicals used in the treatment process and all materials contacting the water met the AWWA and ANSI standards.			

Question ID	NMDFDW1023000		
Question		**Question Type**	**Legislative Requirement**
Do records indicate that the treatment equipment was operated in a manner that achieved the design capabilities required under O. Reg. 170/03 at all times that water was being supplied to consumers?		Legislative	SDWA | O. Reg. 170/03 | 2-2 | (1), SDWA | O. Reg. 170/03 | 2-2 | (2), SDWA | O. Reg.

		170/03 | 2-2 | (3), SDWA | O. Reg. 170/03 | 2-2 | (4)

Observation

Records indicated that the treatment equipment was operated in accordance with O. Reg. 170/03 at all times that water was being supplied to consumers.

Question ID	NMDFDW1026000	
Question	**Question Type**	**Legislative Requirement**
Do records indicate that the treatment equipment was maintained in accordance with the requirements of Schedule 9 of O. Reg. 170/03?	Legislative	SDWA | O. Reg. 170/03 | 9-2 | (1), SDWA | O. Reg. 170/03 | 9-2 | (2), SDWA | O. Reg. 170/03 | 9-2 | (3), SDWA | O. Reg. 170/03 | 9-2 | (4), SDWA | O. Reg. 170/03 | 9-2 | (5)

Observation

Records indicated that the treatment equipment was maintained in accordance with the requirements of Ontario Regulation 170/03.

Question ID	NMDFDW1049000	
Question	**Question Type**	**Legislative Requirement**
Where applicable, if a person other than a trained person, certified operator or water quality analyst conducts tests required by Schedule 9, is that person working under the supervision of a certified operator?	Legislative	SDWA | O. Reg. 170/03 | 9-5 | (1), SDWA | O. Reg. 170/03 | 9-5 | (1.1)

Observation

A person other than a trained person, certified operator or water quality analyst conducted tests required by Schedule 9 and that person was working under the supervision of a certified operator. The Ottawa Catholic School Board exclusively contracts the operation of its drinking water systems to firms that employ appropriately certified operators.

Question ID	NMDFDW1071000	
Question	**Question Type**	**Legislative Requirement**
Were all water samples taken at the prescribed location?	Legislative	SDWA | O. Reg. 170/03 | 6-2

Observation

Water samples were taken at the prescribed location.

Question ID	NMDFDW1052000		
Question		**Question Type**	**Legislative Requirement**
Have all raw water microbiological sampling requirements prescribed by Schedule 12 of O.R. 170/03 been conducted within the required frequency and at the required location?		Legislative	SDWA | O. Reg. 170/03 | 12-3 | (1),SDWA | O. Reg. 170/03 | 12-3 | (3)
Observation			
Raw water microbiological sampling requirements prescribed by by Schedule 12 of O.R. 170/03 were conducted within the required frequency and/or at the required location. Sampling records indicate that during the inspection period, Raw water samples were collected monthly and tested for Escherichia coli and total coliform bacteria. This sampling meets the legislative requirements.			

Question ID	NMDFDW1059000		
Question		**Question Type**	**Legislative Requirement**
Have all inorganic and organic water sampling requirements prescribed by prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-2
Observation			
Inorganic and organic sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that drinking water samples were last collected on March 23, 2017 and tested for all parameters listed in schedules 23 and 24 of O. Reg. 170/03. This sampling was within the required frequency. Sampling and testing for parameters listed in Schedules 23 and 24 are required next on March 23, 2022 (+/-) 90 days.			

Question ID	NMDFDW1065000		
Question		**Question Type**	**Legislative Requirement**
Have all sodium sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-5
Observation			
Sodium sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that samples were last collected on July 25, 2017 and tested for Sodium. This sampling was conducted within the required frequency.			

Sampling and testing for Sodium is next required on July 25, 2022 (+/-) 90 days.

Question ID	NMDFDW1067000	
Question	**Question Type**	**Legislative Requirement**
Have all fluoride sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?	Legislative	SDWA | O. Reg. 170/03 | 15-6
Observation		
Fluoride sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and/or at the required location. Sampling records indicate that samples were last collected on July 25, 2017 and tested for Fluoride. This sampling was conducted within the required frequency. Sampling and testing for Fluoride is next required on July 25, 2022 (+/-) 90 days.		

Question ID	NMDFDW1088000	
Question	**Question Type**	**Legislative Requirement**
Do records show that the water provided by the system meets the requirements of the prescribed Ontario Drinking Water Quality Standards?	BMP	Not Applicable
Observation		
Records show that all water sample results taken during the review period met the Ontario Drinking Water Quality Standards.		

Certificate of Analysis

Ontario

Workorder: 374 Front Rd. E Well Supply (10990) **Chain:** L10626

QC Results

QC Batch: INOI/4648 **Analysis Method:** E3364
Preparation Method: E3364
Associated Lab IDs: 10990001

Method Blank(138208)

Parameter	Result	Units	RDL
Phosphorus; phosphate	**0.003**	mg/L	0.003
Nitrogen; nitrite	<0.001	mg/L	0.001
Nitrogen; ammonia+ammonium	<0.02	mg/L	0.02
Nitrogen; nitrate+nitrite	<0.04	mg/L	0.04

Certificate of Analysis

Workorder: 374 Front Rd. E Well Supply (10990) **Chain:** L10626

Chain of Custody

L10626

Workorder ID: 374 Front Rd. E Well Supply
Submitter: Jean Francois Durocher
Phone: 613-521-3450
Lab Site: LaSB

Client: Eastern Region - Ottawa District - Water Compliance
Contact: Charlie Primeau
Phone: 613-521-3450 239
Email: charlie.primeau@ontario.ca

Laboratory Services Branch
Ministry of the Environment, Conservation and Parks
125 Resources Road
Toronto ON M9P 3V6
Phone 416 235-5743
Fax 416 235-5744

					Collected		Containers									
Pos	Field ID	Collection Site	Matrix	Collector	Date	Time	Total Number of Containers	B-147	B-149							
1	Inspection of Non-Municipal DW		WD	Jean Francois Durocher	06/15/2023	00:00	2	1	1							

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				
4				
5				

Delivery Method: _____

Airbill No: _____

Thursday, June 15, 2023 9:00:30 AM
Dates and times are displayed using (-04:00) US/Eastern.
Page 1 of 3

POWERED BY HORIZON v.13.1.0

Chain of Custody



Ontario

Workorder ID: 374 Front Rd. E Well Supply **Client:**

Inspection of Non-Municipal DW

Containers

Container ID:	567497		
Container Type:	B-149 - BOTTLE: Clear round PET, 500mL wide mouth, 63mm unlined PP cap, w/label (cs120)	**Preservative:**	NONE - None

Tests Requested:

DISNUT3364 - DISSOLVED NUTRIENTS

Container ID:	567498		
Container Type:	B-147 - BOTTLE: 300 ml. Clear square PET, str/sod w red MOE label (bulk cs216)	**Preservative:**	PRE-CHAR - Pre-Charged

Tests Requested:

TCEC3571WD - TCEC in WD with Colilert

Additional Data

Regulation:	Reg170
Drinking Water System No.:	260074204
Drinking Water System Name:	374 Front Road East Well Supply
DWS or Well Address:	374 Front Road East
Water System Owner:	Sylvain Brunette
Contact Telephone No:	6136323000
Water System Operator:	Sylvain Brunette
Public Health Unit:	Cornwall
Water for human consumption?:	Y

Chain of Custody



Ontario

Workorder ID: 374 Front Rd. E Well Supply **Client:**

Inspection of Non-Municipal DW

Additional Data

Drinking Water Type:	TREATED
Free Chlorine (mg/L):	
Total Chlorine (mg/L):	
Name of School / Day Nursery:	
Type of School:	
Zone:	18
Northing:	45.60068
Easting:	-74.57022
NAD:	83
Location Description:	Treatment Building

Ministry of the Environment, Conservation and Parks
Eastern Region
Ottawa District Office
2430 Don Reid Drive, Suite 103
Ottawa ON K1H 1E1
Phone: 613.521.3450
or 800.860.2195
Fax: 613.521.5437

Ministère de l'Environnement, de la Protection de la nature et des Parcs
Région de l'Est
Bureau du district d'Ottawa
2430, promenade Don Reid unité 103
Ottawa (Ontario) K1H 1E1
Tél: 613 521-3450
ou 800 860-2195
Téléc: 613 521-5437

Ontario

March 9, 2022

Sent by Email: steven.mills@ocsb.ca

Steven Mills
Co-Ordinator of Maintenance / Facilities
Ottawa Catholic School Board
570 West Hunt Club Road
Nepean, Ontario
K2G 3R4

Dear: Steven

Re: St. Philip Catholic School Well Supply 2021-22 Inspection Report #1-59294492

The enclosed report documents findings of the inspection that was performed at the St. Philip Catholic School Well Supply drinking water system on February 1, 2022.

One section of the report, namely "Non-compliance/Non-conformance Items", if found, may cite due dates for the submission of information or plans to my attention.

Please note that Non-compliance Items are linked to incidents of non-compliance with regulatory requirements contained within an act, a regulation, or site-specific approvals, licenses, permits, orders, or instructions. Such violations may result in the issuance of mandatory abatement instruments which could include orders, tickets, penalties, or referrals to the ministry's Environmental Enforcement and Compliance Office.

Non-conformance Items convey information that the owner or operating authority should consider implementing in order to advance efforts already in place to address such issues as emergency preparedness, the fulsome availability of information to consumers, and conformance with existing and emerging industry standards. Please note that items which appear as recommended actions do not, in themselves, constitute violations.

Thank you for the assistance provided during the compliance assessment. Should you have any questions regarding the content of the enclosed report, please do not hesitate to contact me.

Yours truly,

David Trombley
Water Inspector / Provincial Officer, Badge #1532
Drinking Water and Environmental Compliance Division
Kingston District Office
1259 Gardiners Road, Unit 3
Kingston, Ontario
K7P 3J6

Enclosure

ec: Nathan Linton, Operator, Brownlee Water Quality Management Inc., nathan@brownleewaterquality.com

- Blayr Kelly, Supervisor, Public Health Inspections, Ottawa Public Health, blayr.kelly@ottawa.ca

- Michael Blood, Coordinator of Maintenance, Ottawa Catholic School Board, michael.blood@ocsb.ca

c: File SI-OT-OT-MA-540 (2021-22)

Ontario

ST. PHILIP CATHOLIC SCHOOL
79 MAITLAND ST, GREATER NAPANEE, ON, K0A 2Z0

Inspection Report

System Number:	260015574
Inspection Start Date:	02/01/2022
Inspection End Date:	03/08/2022
Inspected By:	David Trombley
Badge #:	1532

(signature)

NON-COMPLIANCE/NON-CONFORMANCE ITEMS

This should not be construed as a confirmation of full compliance with all potential applicable legal requirement and BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: Regulated Activity: DRINKING WATER : DW Designated Facility

Question ID	NMDFDW1002000	
Question	**Question Type**	**Legislative Requirement**
What was the scope of this inspection?	Information	Not Applicable
Observation		
The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as conformance with ministry drinking water policies and guidelines during the inspection period. The ministry utilizes a comprehensive, multi-barrier approach in the inspection of this drinking water system focusing on the water source, treatment components, applicable distribution components, sampling and monitoring programs, and response to adverse water quality incidents. This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O.Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA. This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements. A detailed inspection of the St. Philip Catholic School Well Supply was conducted by Water Inspector David Trombley and included a site inspection consisting of a physical inspection of the drinking water system components, document review and operator interviews. Additional data review was conducted at MECP offices. Water Inspector David Trombley was accompanied by Ryan Armstrong, Head Custodian of the facility and Nathan Linton of Brownlee Water Quality Management Inc. Operator for the drinking water system. The document review period for this inspection is from January 1, 2020 to February 1, 2022 and shall be known as the "inspection period" for the purposes of this report.		

Question ID	NMDFDW1027000	
Question	**Question Type**	**Legislative Requirement**
Do records indicate that the system components were maintained in accordance with the manufacturer's instructions or annually?	BMP	Not Applicable
Observation		
Records indicated that the system components were maintained in accordance with the manufacturer's instructions or annually.		

Question ID	NMDFDW1047000		
Question		**Question Type**	**Legislative Requirement**
Do all operators and trained persons possess the required certification/designation?		Legislative	SDWA | 11 | (1)
Observation			
All operators and trained persons did possess the required certification/designation.			

Question ID	NMDFDW1041000		
Question		**Question Type**	**Legislative Requirement**
For every required operational test and for every required sample, is a record made of the date, time, location, name of the person conducting the test and result of the test?		Legislative	SDWA | O. Reg. 170/03 | 6-10 | (1),SDWA | O. Reg. 170/03 | 6-10 | (2)
Observation			
For every required operational test and every required sample, a record was made of the date, time, location, name of the person conducting the test and result of the test.			

Question ID	NMDFDW1046000		
Question		**Question Type**	**Legislative Requirement**
Are required documents made available free-of-charge during normal business hours at a location accessible to the public?		Legislative	SDWA | O. Reg. 170/03 | 12 | (1), SDWA | O. Reg. 170/03 | 12 | (2), SDWA | O. Reg. 170/03 | 12 | (3), SDWA | O. Reg. 170/03 | 12 | (4), SDWA | O. Reg. 170/03 | 12 | (5)
Observation			
Required documents were made available free-of-charge during normal business hours at a location accessible to the public. It was observed at the time of the inspection that required documents are kept on-site and are available free-of-charge during regular business hours. Public access/notice of the drinking water system annual report is also provided via the School Newsletter.			

Question ID	NMDFDW1006000		
Question		**Question Type**	**Legislative Requirement**
Has the owner submitted a drinking water system profile		Legislative	SDWA | O. Reg.

information form to the ministry?		170/03 | 10.1 | (2)
Observation		
The drinking water system was registered with the Ministry and the required notices containing information about the system have been provided to the Ministry. A drinking water system profile information form was provided to the ministry. The drinking water system was assigned registration # 260015574 and is classified as a small non-municipal, non-residential drinking water system serving a designated facility (school).		

Question ID	NMDFDW1009000	
Question	**Question Type**	**Legislative Requirement**
Is the owner maintaining the well(s) in a manner sufficient to prevent entry into the well of surface water and foreign materials?	Legislative	OWRA | R.R.O. 1990, Reg. 903 | 20 | (1)
Observation		
The owner was maintaining the well(s) in a manner sufficient to prevent entry of surface water and foreign materials.		

Question ID	NMDFDW1016000	
Question	**Question Type**	**Legislative Requirement**
Is the system in compliance with the requirement to provide the minimum level of treatment as prescribed by subsection 2-2 (1) of Schedule 2 of O. Reg. 170/03?	Legislative	SDWA | O. Reg. 170/03 | 2-2 | (1)
Observation		
The owner was compliance with the requirement to provide the minimum level of treatment as prescribed by subsection 2-2 (1) of Schedule 2 of O. Reg. 170/03.		

Question ID	NMDFDW1075000	
Question	**Question Type**	**Legislative Requirement**
If the system uses a UV unit for primary disinfection, has the owner and operating authority ensured that the system is designed and operated in accordance with section 2-6 of Schedule 2?	Legislative	SDWA | O. Reg. 170/03 | 2-6 | (1), SDWA | O. Reg. 170/03 | 2-6 | (2), SDWA | O. Reg. 170/03 | 2-6 | (3)
Observation		
The owner and operating authority had ensured that the UV system was equipped with an alarm or shut-off, and maintained to ensure adequate primary disinfection. At the time of the inspection it was observed that the UV disinfection system is provided with audible alarms and automatic shutdown mechanisms in the event that the equipment loses power or fails to provide adequate disinfection.		

Question ID	NMDFDW1054000		
Question		**Question Type**	**Legislative Requirement**
Have all distribution system microbiological sampling requirements prescribed by Schedule 12 of O.R. 170/03 been conducted within the required frequency and at the required location?		Legislative	SDWA | O. Reg. 170/03 | 12-2 | (1),SDWA | O. Reg. 170/03 | 12-2 | (2),SDWA | O. Reg. 170/03 | 12-2 | (3),SDWA | O. Reg. 170/03 | 12-2 | (7)
Observation			
The owner had provided adequate security measures to protect components of the drinking water system. Sampling records indicate that during the inspection period distribution/plumbing water samples were collected monthly and tested for Escherichia coli and total coliform bacteria. This sampling meets the legislative requirements.			

Question ID	NMDFDW1063000		
Question		**Question Type**	**Legislative Requirement**
Have all nitrate/nitrite sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-4 | (1),SDWA | O. Reg. 170/03 | 15-4 | (2),SDWA | O. Reg. 170/03 | 15-4 | (3)
Observation			
Nitrate/nitrite sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that during the inspection period distribution/plumbing water samples were collected quarterly during the months of January, April, July and October and tested for Nitrates and Nitrites. This sampling meets the legislative requirements.			

Question ID	NMDFDW1089000		
Question		**Question Type**	**Legislative Requirement**
Did results of Ministry audit sampling meet the standards included in the Ontario Drinking Water Quality Standards (O. Reg. 169/03) and O. Reg 170/03?		BMP	Not Applicable
Observation			

Results of Ministry audit sampling met the standards included in the Ontario Drinking Water Quality Standards (O. Reg. 169/03) and O. Reg 170/03.

Question ID	NMDFDW1015000		
Question		**Question Type**	**Legislative Requirement**
Was an Engineering Evaluation Report prepared as required by Schedule 21 of O. Reg. 170/03?		Legislative	SDWA | O. Reg. 170/03 | 21-2 | (1),SDWA | O. Reg. 170/03 | 21-2 | (2),SDWA | O. Reg. 170/03 | 21-2 | (3),SDWA | O. Reg. 170/03 | 21-2 | (4),SDWA | O. Reg. 170/03 | 21-3 | (1),SDWA | O. Reg. 170/03 | 21-3 | (2),SDWA | O. Reg. 170/03 | 21-3 | (3)
Observation			
An Engineering Evaluation Report was prepared as required by Schedule 21 of O. Reg. 170/03. A "Notice of Completion of an Engineering Evaluation Report for Existing System", dated April 8, 2010, was prepared by Golder Associates Ltd. and received by the ministry on April 13, 2010.			

Question ID	NMDFDW1031000		
Question		**Question Type**	**Legislative Requirement**
Does the owner have evidence indicating that all chemicals used in the treatment process and all materials contacting the water have met the AWWA and ANSI standards?		BMP	Not Applicable
Observation			
The owner had evidence that indicated that all chemicals used in the treatment process and all materials contacting the water met the AWWA and ANSI standards.			

Question ID	NMDFDW1023000		
Question		**Question Type**	**Legislative Requirement**
Do records indicate that the treatment equipment was operated in a manner that achieved the design capabilities required under O. Reg. 170/03 at all times that water was being supplied to consumers?		Legislative	SDWA | O. Reg. 170/03 | 2-2 | (1), SDWA | O. Reg. 170/03 | 2-2 | (2), SDWA | O. Reg.

		170/03 | 2-2 | (3), SDWA | O. Reg. 170/03 | 2-2 | (4)

Observation

Records indicated that the treatment equipment was operated in accordance with O. Reg. 170/03 at all times that water was being supplied to consumers.

Question ID	NMDFDW1026000	
Question	**Question Type**	**Legislative Requirement**
Do records indicate that the treatment equipment was maintained in accordance with the requirements of Schedule 9 of O. Reg. 170/03?	Legislative	SDWA | O. Reg. 170/03 | 9-2 | (1), SDWA | O. Reg. 170/03 | 9-2 | (2), SDWA | O. Reg. 170/03 | 9-2 | (3), SDWA | O. Reg. 170/03 | 9-2 | (4), SDWA | O. Reg. 170/03 | 9-2 | (5)

Observation

Records indicated that the treatment equipment was maintained in accordance with the requirements of Ontario Regulation 170/03.

Question ID	NMDFDW1049000	
Question	**Question Type**	**Legislative Requirement**
Where applicable, if a person other than a trained person, certified operator or water quality analyst conducts tests required by Schedule 9, is that person working under the supervision of a certified operator?	Legislative	SDWA | O. Reg. 170/03 | 9-5 | (1), SDWA | O. Reg. 170/03 | 9-5 | (1.1)

Observation

A person other than a trained person, certified operator or water quality analyst conducted tests required by Schedule 9 and that person was working under the supervision of a certified operator. The Ottawa Catholic School Board exclusively contracts the operation of its drinking water systems to firms that employ appropriately certified operators.

Question ID	NMDFDW1071000	
Question	**Question Type**	**Legislative Requirement**
Were all water samples taken at the prescribed location?	Legislative	SDWA | O. Reg. 170/03 | 6-2

Observation

Water samples were taken at the prescribed location.

Question ID	NMDFDW1052000		
Question		**Question Type**	**Legislative Requirement**
Have all raw water microbiological sampling requirements prescribed by Schedule 12 of O.R. 170/03 been conducted within the required frequency and at the required location?		Legislative	SDWA | O. Reg. 170/03 | 12-3 | (1),SDWA | O. Reg. 170/03 | 12-3 | (3)
Observation			
Raw water microbiological sampling requirements prescribed by by Schedule 12 of O.R. 170/03 were conducted within the required frequency and/or at the required location. Sampling records indicate that during the inspection period, Raw water samples were collected monthly and tested for Escherichia coli and total coliform bacteria. This sampling meets the legislative requirements.			

Question ID	NMDFDW1059000		
Question		**Question Type**	**Legislative Requirement**
Have all inorganic and organic water sampling requirements prescribed by prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-2
Observation			
Inorganic and organic sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that drinking water samples were last collected on March 23, 2017 and tested for all parameters listed in schedules 23 and 24 of O. Reg. 170/03. This sampling was within the required frequency. Sampling and testing for parameters listed in Schedules 23 and 24 are required next on March 23, 2022 (+/-) 90 days.			

Question ID	NMDFDW1065000		
Question		**Question Type**	**Legislative Requirement**
Have all sodium sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?		Legislative	SDWA | O. Reg. 170/03 | 15-5
Observation			
Sodium sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and at the required location. Sampling records indicate that samples were last collected on July 25, 2017 and tested for Sodium. This sampling was conducted within the required frequency.			

Sampling and testing for Sodium is next required on July 25, 2022 (+/-) 90 days.

Question ID	NMDFDW1067000	
Question	**Question Type**	**Legislative Requirement**
Have all fluoride sampling requirements prescribed by Schedule 15 of O.R. 170/03 been conducted within the required frequency?	Legislative	SDWA | O. Reg. 170/03 | 15-6
Observation		
Fluoride sampling requirements prescribed by Schedule 15 of O.R. 170/03 were conducted within the required frequency and/or at the required location. Sampling records indicate that samples were last collected on July 25, 2017 and tested for Fluoride. This sampling was conducted within the required frequency. Sampling and testing for Fluoride is next required on July 25, 2022 (+/-) 90 days.		

Question ID	NMDFDW1088000	
Question	**Question Type**	**Legislative Requirement**
Do records show that the water provided by the system meets the requirements of the prescribed Ontario Drinking Water Quality Standards?	BMP	Not Applicable
Observation		
Records show that all water sample results taken during the review period met the Ontario Drinking Water Quality Standards.		

APPENDIX A

AUDIT SAMPLE RESULTS

Ministry of the Environment, Conservation and Parks

Laboratory Services Branch

125 Resources Road
Toronto ON M9P 3V6
Tel: 416 235-5743
Fax: 416 235-5744

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Direction des services de laboratoire

125, chemin Resources
Toronto ON M9P 3V6
Tél: 416 235-5743
Téléc.: 416 235-5744

Ontario

Certificate of Analysis

Workorder: St Philip Catholic School WS (4460) **Chain:** 3702

Workorder Description:

Client: Eastern Region - Ottawa District - Water Compliance
Profile: ODWC/KDWC - Drinking Water Systems
Line Item: Inspection of Municipal WTP (SWIP)

Report To: Charlie Primeau
DWECD-ER-Ottawa-Water Comp. O
2430 Don Reid Dr
Ottawa, ON K1H 1E1
Canada

Date Reported: 3/8/2022 4:15:13 PM
Date Approved: 3/8/2022 4:08:03 PM

The results relate only to the items tested as received.

Customer service feedback for this test report and/or other services by LaSB may be provided by calling the HelpDesk at 416-235-6030, the Customer Service Manager at 416-235-5831, or through LabOnline.

This report contains confidential information intended only for the person(s) to whom it is addressed. Any unauthorized disclosure, copying, other distribution of this report, or taking any action on its content is strictly prohibited. If you have received this report in error, please contact the LaSB HelpDesk at 416-235-6030 or the Customer Service Manager at 416-235-5831.

Laboratory Services Branch is accredited to ISO/IEC 17025 by the Canadian Association for Laboratory Accreditation Inc. (CALA) for specific tests listed on the scope of accreditation. Accreditation is matrix- and parameter-specific. A complete listing of accredited test methods, matrices, and parameters is available from www.cala.ca. The tests on this report may not necessarily be included in the scope of accreditation.

Calculated results for IBC3196 (Ion Balance) and DTKN3424 (Total Kjeldahl Nitrogen) are provided in the test report only if all required parameters were requested/measured.

Approved for release by:

Teresa Switzer

Teresa Switzer

Certificate of Analysis

Workorder: St Philip Catholic School WS (4460) **Chain:** 3702

Sample Summary

Lab ID	Field ID	Matrix	Method	Tests Ordered	Container Condition	Sampling Date & Time	Received Date & Time	Sampled By
4460001	DT-SPCSWS-01	WD	E3364, E3571	SWIPNONMUN		02/01/2022 10:15	02/02/2022 08:54	

Certificate of Analysis

Ontario

Workorder: St Philip Catholic School WS (4460) **Chain:** 3702

Method: E3571

Lab ID:	4460001	**Date Collected:**	2/1/2022 10:15:00 AM
Field ID:	DT-SPCSWS-01		

Analyte	Result	Rmk	RDL	Units	Analyzed
Total Coliform count per 100mL	0			MPN / 100mL	02/03/2022
E. coli count per 100 mL	0			MPN / 100mL	02/03/2022

Certificate of Analysis

Ontario

Workorder: St Philip Catholic School WS (4460) **Chain:** 3702

Method: E3364

Lab ID: 4460001 **Date Collected:** 2/1/2022 10:15:00 AM
Field ID: DT-SPCSWS-01

Analyte	Result	Rmk	RDL	Units	Analyzed
Phosphorus; phosphate	0.019		0.003	mg/L	02/03/2022
Nitrogen; nitrite	<0.001		0.001	mg/L	02/03/2022
Nitrogen; ammonia+ammonium	0.04		0.02	mg/L	02/03/2022
Nitrogen; nitrate+nitrite	0.04		0.04	mg/L	02/03/2022
Nitrate	0.04		0.04	mg/L	02/03/2022

Certificate of Analysis

Workorder: St Philip Catholic School WS (4460) **Chain:** 3702

Workorder Summary

Method Summary

E3364

THE DETERMINATION OF AMMONIA NITROGEN, NITRITE NITROGEN, NITRITE plus NITRATE NITROGEN AND REACTIVE ORTHO-PHOSPHATE IN SURFACE WATERS, DRINKING WATERS AND PRECIPITATION BY COLOURIMETRY

E3571

Method E3571: Quantitative Test for Total Coliform and/or Escherichia coli in Water by Colilert Quanti-Tray

Additional Information

Sample 4460001 - Drinking Water Sample Info

Drinking Water Type	TREATED
Water for human consumption?	Y

Workorder 4460 - Drinking Water Sub. Workorder

Contact Telephone No	6132244455x2318
Drinking Water System Address	79 Maitland Street, Richmond, Ontario
Drinking Water System Name	St. Philip Catholic School WS
Drinking Water System No.	260015574
Public Health Unit	Ottawa
Regulation	Reg170
Water System Operator	Brownlee W.Q,
Water System Owner	Ottawa Catholic School Board

Certificate of Analysis

Ontario

Workorder: St Philip Catholic School WS (4460) **Chain:** 3702

QC Results

QC Batch: INOI/2261 **Analysis Method:** E3364
Preparation Method: E3364
Associated Lab IDs: 4460001

Method Blank(55476)

Parameter	Result	Units	RDL	Qual
Phosphorus; phosphate	**0.003**	mg/L	0.003	
Nitrogen; nitrite	**0.002**	mg/L	0.001	
Nitrogen; ammonia+ammonium	<0.02	mg/L	0.02	
Nitrogen; nitrate+nitrite	**0.07**	mg/L	0.04	

Certificate of Analysis

Workorder: St Philip Catholic School WS (4460) **Chain:** 3702

Chain of Custody

3702

Workorder ID: St Philip Catholic School WS
Submitter: David Trombley
Phone: 613-548-6932
Lab Site: LaSB

Client: Eastern Region - Ottawa District - Water Compliance
Contact: Charlie Primeau
Phone: 613-521-3450 239
Email: charlie.primeau@ontario.ca

Laboratory Services Branch
Ministry of the Environment, Conservation and Parks
125 Resources Road
Toronto ON M9P 3V6
Phone 416 235-5743
Fax 416 235-5744

					Collected		Containers									
Pos	Field ID	Collection Site	Matrix	Collector	Date	Time	Total Number of Containers	B-147	B-149							
1	DT-SPCSWS-01		WD	David Trombley	02/01/2022	10:15	2	1	1							

Transfers	Released By	Date/Time	Received By	Date/Time
1				
2				
3				
4				
5				

Delivery Method: _____

Airbill No: _____

Chain of Custody



Ontario

Event: St Philip Catholic School WS **Client:**

DT-SPCSWS-01

Containers

Container ID:	182907		
Container Type:	B-149 - BOTTLE: Clear round PET, 500mL wide mouth, 63mm unlined PP cap, w/label (cs120)	**Preservative:**	NONE - None

Tests Requested:

DISNUT3364 - DISSOLVED NUTRIENTS

Container ID:	182908		
Container Type:	B-147 - BOTTLE: 300 ml. Clear square PET, str/sod w red MOE label (bulk cs216)	**Preservative:**	PRE-CHAR - Pre-Charged

Tests Requested:

TCEC3571WD - TCEC in WD with Colilert

Additional Data

Regulation:	Reg170
Drinking Water System No.:	260015574
Drinking Water System Name:	St. Philip Catholic School WS
Drinking Water System Address:	79 Maitland Street, Richmond, Ontario
Water System Owner:	
Contact Telephone No:	
Water System Operator:	
Public Health Unit:	Ottawa
Water for human consumption?:	Y

Chain of Custody

Ontario

3702

Event: St Philip Catholic School WS **Client:**

DT-SPCSWS-01

Additional Data

Drinking Water Type:	TREATED
Free Chlorine (mg/L):	
Total Chlorine (mg/L):	
Name of School / Day Nursery:	
Type of School:	
Zone:	
Northing:	
Easting:	
NAD:	
Location Description:	

APPENDIX B

STAKEHOLDER SUPPORT

Key Reference and Guidance Material for Drinking Water Systems Serving Designated Facilities

Many useful materials are available to help you operate your drinking water system. Below is a list of key materials owners and operators of drinking water systems serving designated facilities frequently use.

To access these materials online click on their titles in the table below or use your web browser to search for their titles. Contact the Ministry if you need assistance or have questions at:

1-866-793-2588 or waterforms@ontario.ca.

For more information on Ontario's drinking water visit: http://www.ontario.ca/drinkingwater



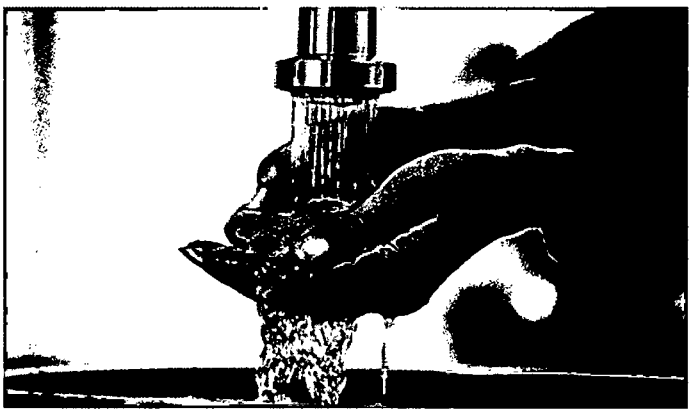
PUBLICATION TITLE	PUBLICATION NUMBER
FORMS: Drinking Water System Profile Information Laboratory Services Notification Adverse Test Result Notification	 012-2149E 012-2148E 012-4444E
A guide for operators and owners of drinking water systems that serve designated facilities	Website
Taking a Drinking Water Sample for Testing – Tips for Owners and Operators of Drinking Water Systems Covered by Ontario Regulation 170/03	5744E
Tips for Maintenance of Small Drinking Water Systems	7780E
Corrective Actions to Take if Your Drinking Water Becomes Contaminated	7775E
Drinking Water System Contact List	7128E01
Procedure for Disinfection of Drinking Water in Ontario	Website
Procedure for Corrective Action for Systems Not Currently Using Chlorine	Website
Protecting Groundwater to Protect Health	Website
Required Qualifications to Operate, Test or Sample Drinking Water Systems Under the SDWA, 2002	Website
Steps to Become a Trained Person	Website
List of Licensed Laboratories	Website
Training and Certification for Small Drinking Water Systems	Website
How to maintain your 'Trained Person' designation	Website

000222

Principaux guides et documents de référence sur les réseaux d'eau potable desservant des établissements désignés

De nombreux documents utiles peuvent vous aider à exploiter votre réseau d'eau potable. Vous trouverez ci-après une liste de documents que les propriétaires et exploitants de réseaux d'eau potable desservant des établissements désignés utilisent fréquemment.

Pour accéder à ces documents en ligne, cliquez sur leur titre dans le tableau ci-dessous ou faites une recherche à l'aide de votre navigateur Web. Communiquez avec le ministère au 1-866-793-2588, ou encore à waterforms@ontario.ca si vous avez des questions ou besoin d'aide.



Pour plus de renseignements sur l'eau potable en Ontario, consultez le site www.ontario.ca/eaupotable

TITRE DE LA PUBLICATION	NUMÉRO DE PUBLICATION
FORMS: Renseignements sur le profil du réseau d'eau potable Avis de demande de services de laboratoire Avis de résultats d'analyse insatisfaisants et de règlement des problèmes	 012-2149F 012-2148F 012-4444F
Guide pour les exploitants et les propriétaires de réseaux d'eau potable qui desservent des établissements désignés	Site Web
Prélèvement d'échantillons d'eau pour des analyses - Conseils pour les propriétaires et les exploitants de réseaux d'eau potable visés par le Règlement de l'Ontario 170/03	5744F
Conseils pour assurer l'entretien d'un petit réseau de distribution d'eau potable	7780F
Mesures à prendre si votre eau potable devient contaminée	7775F
Liste des personnes-ressources du réseau d'eau potable	Site Web
Marche à suivre pour désinfecter l'eau portable en Ontario	Site Web
Mesures correctives à prendre pour les réseaux n'utilisant pas de chlore	Site Web
Protéger l'eau souterraine, c'est protéger la santé	Site Web
Qualifications nécessaires pour exploiter, analyser ou échantillonner des réseaux de distribution d'eau potable	Site Web
Étapes à suivre pour devenir une « personne qualifiée »	Site Web
Laboratoires autorisés	Site Web
Formation et certification pour les petits réseaux d'eau potable	Site Web
Comment garder votre titre de « personne qualifiée »	Site Web

PIBS 8989b01

000223

Wells, Susan (MECP)

From:	Hamilton-Browne, Shannon (MECP)
Sent:	September 13, 2022 12:32 PM
To:	steven.mills@ocsb.ca; paul.proulx@ocsb.ca; Nathan Linton; Raff Giordano
Subject:	St. Philip Catholic School Well Supply - 2021 Year-at-a-Glance Report
Attachments:	YAAG-St. Philip Catholic School Well Supply.pdf

Good afternoon,

The attached summary report is tailored to your non-municipal drinking water system serving a designated facility.

The intention of these reports is to verify profile information and help ensure sampling is undertaken as required. Note that a few limitations exist in this report that may apply to you:

- Lead sampling data is not included.
- The ministry's database cannot identify whether production wells are in use in each month and whether you were required to sample. If the correct number of samples were taken for each production well, you may disregard the yellow highlight flags for that segment.
- The ministry can not tell if your system was shut down for more than 7 days and qualified for the sampling exemption. If the correct number of samples was taken including the required samples for returning to operation, you may disregard the yellow highlight flags for that segment.

The attached report shows that samples were last tested for the inorganic and organic parameters of Schedules 23 & 24 in March 2017 and were due to be tested in March 2022; and July 2017 for Sodium and Fluoride. A more recent search of the ministry's databases showed that samples were most recently taken on March 22, 2022 for the Schedules 23 & 24 parameters and on June 27, 2022 for Sodium and Fluoride. No further action is required to be taken.

Should you wish to contact me to provide suggestions about how this report can be improved or to discuss other aspects of this communication, I can be reached by email at shannon.hamiltonbrowne@ontario.ca.

Should you wish to discuss the sampling and testing requirements or other drinking water system regulatory requirements, please contact the area MECP Water Inspector Pat Lalonde who can be reached by email at Patrick.Lalonde@ontario.ca or by phone at 613- 363-1652.

Regards,

Shannon Hamilton-Browne
Water Inspector / Provincial Officer, Badge #802
Ministry of the Environment, Conservation and Parks
Drinking Water and Environmental Compliance Division
Ottawa District Office
103-2430 Don Reid Drive, Ottawa, ON K1H 1E1
Cell: 613-808-4255

Office: 613-521-3450 Toll Free: 1-800-860-2195
Fax: 613-521-5437 Email: shannon.hamiltonbrowne@ontario.ca
Spills Action Centre (24/7): 1-800-268-6060
To Report Pollution or an environmental concern Call 1-866-MOE-TIPS (663-8477)
Please consider the environment before printing this email.

Ministry of the Environment, Conservation and Parks

Office of the Deputy Chief Drinking Water Inspector
8th Floor, 5775 Yonge Street
Toronto ON M2M 4J1

Ministère de l'Environnement, de la Protection de la nature et des Parcs

Bureau de l'Inspectrice en Chef Adjointe de l'Eau Potable
8th Floor, 5775 Yonge Street
Toronto (Ontario) M2M 4J1

Ontario

Drinking Water System (DWS) Year-at-a-Glance 2021 Summary Report

Attn: Steve Mills, Co-Ordinator Of Maintenance/Facilities
570 West Hunt Club Rd ,Nepean,ON,K2G 3R4

DWS Name: St. Philip Catholic School Well Supply

Action 1: Review the "Required Sampling vs. Received" Tables (Section 1)

This report includes the number of samples you were required to take for each drinking water parameter followed by the number of sample results the ministry received from your licensed laboratory. In cases where the number of samples taken is less than the number required, the information has been flagged in yellow for easy identification.

If your report has flags identified in yellow:

- Share this report with the person who collects samples at your drinking water system
- Prepare a plan to ensure that the correct number of samples will be taken
- If the information provided does not match your records, contact your licensed laboratory to have them upload any missing results

NOTE: If the tables in Section 1 show missing RAW water microbiological (EC/TC) samples AND your drinking water system obtains water from a surface water source (lake, river), please disregard as there are no requirements to collect raw microbiological samples where a surface water source is used.

Action 2: Investigate the cause of any Adverse Water Quality Incidents (AWQIs) and take action to prevent reoccurrence (Section 2)

The last table in this report, entitled "Exceedances of the ODWQS", provides a list of sample results that did not meet the Ontario Drinking Water Quality Standards (ODWQS). It is important that you consider patterns of repeated AWQIs and look for long term resolutions to reduce risks to consumers. No action is required where Section 2 is blank.

If you see a pattern of repeated AWQIs and you have not already discussed long term solutions with a Water Inspector, you may wish to contact them to discuss next steps.

Action 3: Review your Drinking Water System Profile Information (Section 3)

The information listed in Section 3 of this report outlines profile information specific to your drinking water system, including contact information. You are required by law to inform the Ministry of the Environment, Conservation and Parks of any changes to your profile within 10 days

If you see incorrect information in your Drinking Water System Profile:

- Complete and submit a Drinking Water System Profile Information Form to waterforms@ontario.ca; you have to fill out only the information that changed
- If you require assistance, contact the Drinking Water Registration Helpline at 1-866-793-2588

Action 4: Consider the Following :

- Prepare your Annual Report according to the requirements of Section 11 of O. Reg. 170/03 and make it available as required
- Perform all maintenance activities outlined in your Engineering Evaluation Report.
- Confirm your trained person's designation or certified operator's license has not expired
- Contact your Water Inspector if you have any questions or require assistance

DWS Year-at-a-Glance 2021 Summary Report

Section 1: Samples Received vs Required

EC Raw and Distribution

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Escherichia Coli	Distribution:St. Philip Catholic School Well Supply	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12
	Groundwater	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12

TC Raw and Distribution

			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Coliform	Distribution:St. Philip Catholic School Well Supply	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12
	Groundwater	1 EVERY MONTH	1	1	1	1	1	1	1	1	1	1	1	1	12

No HPC Data Available

Lead Distribution:

No Lead Distribution Data Available

Nitrate and Nitrite

O. Reg. 170 Parameter Name	Total # of samples required per Year	Total # of samples received
Nitrate (As Nitrogen)	4	4
Nitrite (As Nitrogen)	4	4

Sodium and Fluoride

O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
Fluoride	1	1	25-Jul-17
Sodium	1	2	29-Aug-17

Inorganic

O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
Antimony	1	1	28-Mar-17
Arsenic	1	1	28-Mar-17
Barium	1	1	28-Mar-17
Boron	1	1	28-Mar-17
Cadmium	1	1	28-Mar-17
Chromium	1	1	28-Mar-17
Mercury	1	1	28-Mar-17
Selenium	1	1	28-Mar-17
Uranium	1	1	28-Mar-17

Organic

O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
1,1-Dichloroethylene (Vinylidene Chloride)	1	1	28-Mar-17

DWS Year-at-a-Glance 2021 Summary Report

Organic			
O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
1,2-Dichlorobenzene	1	1	28-Mar-17
1,2-Dichloroethane	1	1	28-Mar-17
1,4-Dichlorobenzene	1	1	28-Mar-17
2,3,4,6-Tetrachlorophenol	1	1	28-Mar-17
2,4-Dichlorophenol	1	1	28-Mar-17
2,4-Dichlorophenoxyacetic Acid (2,4-D)	1	1	28-Mar-17
2,4,6-Trichlorophenol	1	1	28-Mar-17
Alachlor	1	1	28-Mar-17
Atrazine + N-Dealkylated Metabolites	1	1	28-Mar-17
Azinphos-Methyl	1	1	28-Mar-17
Benzene	1	1	28-Mar-17
Benzo(A)Pyrene	1	1	28-Mar-17
Bromoxynil	1	1	28-Mar-17
Carbaryl	1	1	28-Mar-17
Carbofuran	1	1	28-Mar-17
Carbon Tetrachloride	1	1	28-Mar-17
Chlorpyrifos	1	1	28-Mar-17
Diazinon	1	1	28-Mar-17
Dicamba	1	1	28-Mar-17
Dichloromethane	1	1	28-Mar-17
Diclofop-Methyl	1	1	28-Mar-17
Dimethoate	1	1	28-Mar-17
Diquat	1	1	28-Mar-17
Diuron	1	1	28-Mar-17
Glyphosate	1	1	28-Mar-17
Malathion	1	1	28-Mar-17
Metolachlor	1	1	28-Mar-17
Metribuzin	1	1	28-Mar-17
Monochlorobenzene	1	1	28-Mar-17
Paraquat	1	1	28-Mar-17
Pentachlorophenol	1	1	28-Mar-17
Phorate	1	1	28-Mar-17
Picloram	1	1	28-Mar-17
Polychlorinated Biphenyls (Pcbs)	1	1	28-Mar-17
Prometryne	1	1	28-Mar-17

DWS Year-at-a-Glance 2021 Summary Report

Organic			
O. Reg. 170 Parameter Name	Total # of samples required per 60 months	Total # of samples received in 60 months	Latest Sample Date
Simazine	1	1	28-Mar-17
Terbufos	1	1	28-Mar-17
Tetrachloroethylene (Perchloroethylene)	1	1	28-Mar-17
Triallate	1	1	28-Mar-17
Trichloroethylene	1	1	28-Mar-17
Trifluralin	1	1	28-Mar-17
Vinyl Chloride	1	1	28-Mar-17

Section 2: Exceedances of the ODWQS

No Exceedance Data Available

Section 3: Your DWS Profile Information

DWS #	260015574
MECP Assigned Name	St. Philip Catholic School Well Supply
Category	SNMNRS
Regulation Short Name	O.REG 170/03
DWS Type	Well Supply
Source Type	Ground Water
Address	79 Maitland Street, Richmond, Ontario, K0A 2Z0, Canada
Region	Eastern Region
District	Ottawa District
Municipality	Ottawa
Public Health Unit	City Of Ottawa Health Department

DWS OPERATIONAL INFORMATION

Population:	
Rated Daily Capacity (L/S)	2.8
LSN Compliance Status:	*Complete LSN*
24/7 Contact	On-Call Operator, On-Call Operator
24/7 Contact Info	p: (613)2394043, f: - , e: info@brownleewaterquality.com, c: (613)2394043, pg: (613)2394043

DWS OWNER INFORMATION

Owner Legal Name	Ottawa Catholic School Board
Owner Business Name	Ottawa Catholic School Board
Owner Address	570 West Hunt Club Rd ,Nepean,ON,K2G 3R4
Owner Contact	Steve Mills, Co-Ordinator Of Maintenance/Facilities
Owner Contact Info	p: (613)2244455 x2318, f: (613)2250698, e: steven.mills@ocsb.ca
Owner Alternate Contact	Paul Proulx, Manager Of Maintenance And Operations
Owner Alternate Contact Info	p: (613)2244455 x2320, f: - , e: paul.proulx@ocsb.ca

DWS OPERATING AUTHORITY INFORMATION

Op. Authority Legal Name	Brownlee Water Quality Management Inc.
Op. Authority Business Name	Brownlee Water Quality Management Inc.
Op. Authority Address	5431 North Riverside Dr,Post Office Box Delivery ,587,Manotick,ON,K4M 1A5
Op. Authority Contact	Nathan Linton, Dws Operator

DWS Year-at-a-Glance 2021 Summary Report

Op. Authority Contact Info	p: (613)6922062, f: - , e: nathan@brownleewaterquality.com
Op. Authority Alternate Contact	Raff Giordano, Dws Operator
Op. Authority Alternate Contact Info	p: (613)6922062, f: - , e: raff@brownleewaterquality.com
DWS TREATMENT PROCESS INFORMATION	CHLORINATION

INCIDENT REPORT

DW System

System Name:	ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
System Address:	79 MAITLAND ST RICHMOND ON K0A 2Z0
District Office:	Ottawa District
DWS #:	260015574
DWS Category:	Small Non-Municipal Non-Residential

DWS Owner

Owner Name:	OTTAWA CATHOLIC SCHOOL BOARD
Owner Mailing Address:	570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4
Owner Physical Address:	570 WEST HUNT CLUB RD NEPEAN ON Canada K2G 3R4
Owner Phone:	
Owner Fax:	
Owner Email:	
Client Type:	SCHOOL BOARD

MECP Information

Incident Report #:	1-11QF-1	**Master Incident Report #:**	
AWQI #:	70576	**Master AWQI #:**	
Date & Time Reported to MECP:	Mar 20, 2007 14:34:36		
Office Receiving Incident Report:	SAC		
Incident Info Received By:	LASZLO BARTI		
Incident Type:	AWQI		
Referring Inspection Report #:			
Incident Summary:	Na=163 mg/L Lab Matrix < 11		
MECP Response:	No Field Response	**Date & Time MECP Arrival:**	
Was an ERP called out?	N	**IDS Reference #:**	

Incident Description

Incident Date	Incident Description	Created By
Mar 20, 2007 15:36:47	Na=163 mg/L Lab Matrix < 11	SADMIN
Apr 03, 2007 15:16:43	Section 2(a) of the notification indicates that a resample was taken. Section 2(b) NIR received April 2, 2007. "Summary of Action Taken...: Instructions issued to school to post sodium instructions." Prepared by J. Porteous, Date: April 2, 2007. A copy of the instructions prepared by the Ottawa-Carleton Catholic School Board, titled "Sodium Advisory Notice for Drinking Water", dated March 29, 2007, was provided with the NIR. The document was signed by John Spencer, Occupational Health and Safety Officer. No further action is required at this time. This incident is recommended for closure. C. Villeneuve, April 3, 2007.	VILLENCH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
03/19/2007 12:20:00	TREATED: ground water		Sodium	MG/L	163	163	163	163		

Offences

Suspected Violation(s)/Offence(s)

Caller/PO Information

Contact Name:
Telephone #:
Email Address:
Mailing Address:

Company:
Fax Number:

Provincial Officer

Name: Christine Villeneuve
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

Badge #: 1048
District/Area Office: Ottawa District

Supervisor

Name: Don Munro
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

District/Area Office: Ottawa District

Ontario

Ministry of the Environment

INCIDENT REPORT

DW System

Name: R243 ST JOHN THE APOSTLE ELEMENTARY SCHOOL (4065)

Address: 30 COSTELLO ST
NEPEAN ON K2H 7C5

District Office: Ottawa District

DWS #: 500037350

DWS Category: Designated Facility

DWS Owner

Name: OTTAWA CATHOLIC SCHOOL BOARD

Mailing Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Phone: (613) 224-4455

Fax:

Email:

Client Type: SCHOOL BOARD

MOE Information

Incident Report #: 1-3JX4-3

Master Incident Report #:

AWQI #: 106818

Master AWQI #:

Date & Time Reported to MOE: July 03, 2012 12:21:33 PM

Office Receiving Incident Report: SAC

Incident Info Received By: SAC

Incident Type: O.Reg. 243 Lead Exceedence

Referring Inspection Report #:

Incident Summary: R243 Lead Exceedance

MOE Response: No Field Response

Date & Time MOE Arrival:

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Description	Created By
July 03, 2012 12:21:33 PM	R243 Lead Exceedance	SADMIN
July 03, 2012 01:57:22 PM	CP - review Lab notification: standing 42 µg/L and flushed = < 1 µg/L	PRIMEACH
October 22, 2012 10:20:04 AM	CP - as per requested, owner provides Section C1 & C2. exceedance in Standing only. Daily flushing ongoing. no further action and recommend closure.	PRIMEACH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
June 20, 2012 12:00:00 AM			Lead	MG/L				0.042		

Caller/PO Information

Contact Name:

Company:

Telephone #:

Fax Number:

Email Address:

Mailing Address:

Updates

Date DWS Written Notification Provided:

Date Resolved:

Date Lab Written Notification Provided: July 03, 2012 11:51:00 AM

Notice of Resolution Provided:

Provincial Officer

Name: Charlie Primeau

Badge #:

Work Unit: Drinking Water Inspections Unit

District/Area Office: Ottawa District

Date: October 22, 2012

Signature:

Supervisor

Name: James Mahoney

Work Unit: Drinking Water Inspections Unit

District/Area Office: Ottawa District

Date: October 22, 2012

Signature: J Mahoney

Ontario

Ministry of the Environment

INCIDENT REPORT

DW System

Name: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Address: 79 MAITLAND ST
RICHMOND ON K0A 2Z0

District Office: Kingston District

DWS #: 260015574

DWS Category: Small Non-Municipal Non-Residential

DWS Owner

Name: OTTAWA CARLETON CDSB

Mailing Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB Rd
NEPEAN ON Canada K2G 3R4

Phone: (613) 224-4455

Fax:

Email:

Client Type: CORPORATION

MOE Information

Incident Report #: 1-3LTO-6

Master Incident Report #:

AWQI #: 107601

Master AWQI #:

Date & Time Reported to MOE: July 27, 2012 09:09:49 AM

Office Receiving Incident Report: SAC

Incident Info Received By: SAC

Incident Type: AWQI

Referring Inspection Report #:

Incident Summary: Sodium = 110 mg/L

2012/07/31 13:55 sect 1,3 r

MOE Response: No Field Response

Date & Time MOE Arrival:

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Description	Created By
July 31, 2012 01:42:55 PM	Sodium = 110 mg/L 2012/07/31 13:55 sect 1,3 rec'd	SADMIN
August 01, 2012 09:14:08 AM	CP - Review Lab notification & Section 2A. ongoing sodium issue. Owner reports that drinking water advisory letter will be issued by health inspector. no further action required and recommend closure	PRIMEACH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
July 25, 2012 09:45:00 AM	TREATED: groundwater		Sodium	MG/L		110		110		

Caller/PO Information

Contact Name:

Company:

Telephone #:

Fax Number:

Email Address:

Mailing Address:

Updates

Date DWS Written Notification Provided: July 31, 2012 12:00:00 AM

Date Resolved:

Date Lab Written Notification Provided: July 31, 2012 01:55:00 PM

Notice of Resolution Provided:

Provincial Officer

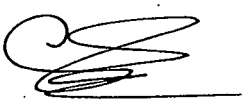
Name: Charlie Primeau

Badge #:

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: August 01, 2012

Signature: 

Supervisor

Name: James Mahoney

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: August 01, 2012

Signature: 

INCIDENT REPORT

DW System

System Name:	ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY
System Address:	79 MAITLAND ST RICHMOND ON K0A 2Z0
District Office:	Ottawa District
DWS #:	260015574
DWS Category:	Small Non-Municipal Non-Residential

DWS Owner

Owner Name:	OTTAWA CATHOLIC SCHOOL BOARD
Owner Mailing Address:	570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4
Owner Physical Address:	570 WEST HUNT CLUB RD NEPEAN ON Canada K2G 3R4
Owner Phone:	
Owner Fax:	
Owner Email:	
Client Type:	SCHOOL BOARD

MECP Information

Incident Report #:	1-7T6C-9	**Master Incident Report #:**	
AWQI #:	134620	**Master AWQI #:**	
Date & Time Reported to MECP:	Jul 26, 2017 14:48:00		
Office Receiving Incident Report:	SAC		
Incident Info Received By:	JULIAN ARISTIZABAL		
Incident Type:	AWQI		
Referring Inspection Report #:			
Incident Summary:	Na 205 mg/L HU has been left message, currently r		
MECP Response:		**Date & Time MECP Arrival:**	
Was an ERP called out?	N	**IDS Reference #:**	

Incident Description

Incident Date	Incident Description	Created By
Jul 26, 2017 14:48:00	Na 205 mg/L HU has been left message, currently resampling at this time, waiting on HU. matrix<11	SADMIN
Jan 14, 2019 13:50:17	CP - incident resolved	PRIMEACH

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
07/25/2017 09:20:00	ENTRY POINT: GROUNDWATER(100000010013)	location unknown	Sodium	MG/L	205	205	205	205	N/A	

Offences

Suspected Violation(s)/Offence(s)

Caller/PO Information

Contact Name:
Telephone #:
Email Address:
Mailing Address:

Company:
Fax Number:

Provincial Officer

Name: Charlie Primeau
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

Badge #: 1420
District/Area Office: Ottawa District

Supervisor

Name: James Mahoney
Work Unit: Drinking Water Inspections Unit
Date: January 15, 2025
Signature:

District/Area Office: Ottawa District

Ontario

Ministry of the Environment, Conservation and Parks

INCIDENT REPORT

DW System

Name: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Address: 79 MAITLAND ST
RICHMOND ON K0A 2Z0

District Office: Ottawa District

DWS #: 260015574

DWS Category: Small Non-Municipal Non-Residential

DWS Owner

Name: OTTAWA CATHOLIC SCHOOL BOARD

Mailing Address: 570 WEST HUNT CLUB Rd NEPEAN ON
Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB RD NEPEAN ON
Canada K2G 3R4

Phone:

Fax:

Email:

Client Type: SCHOOL BOARD

MECP Information

Incident Report #: 1-NHJK-8

Master Incident Report #:

AWQI #: 158956

Master AWQI #:

Date & Time Reported to MECP: Jun 30, 2022 00:45:00

Office Receiving Incident Report: SAC

Incident Info Received By: IAN OOSTING

Incident Type: AWQI

Referring Inspection Report #:

Incident Summary: Sodium = 195 mg/L
Matrix TBD

MECP Response: No Field Response

Date & Time MECP Arrival:

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Desctiption	Created By
Jun 30, 2022 00:45:00	Sodium = 195 mg/L Matrix TBD	SADMIN
Aug 22, 2022 07:40:17	- Sample collected from the treated water tap on June 26, 2022 for sodium testing showed an exceedance with a concentration of 195 mg/L. - The exceedance was reported by the laboratory on June 30, 2022 and provided Section 1 & 3. - The operating authority for the school reported the exceedance on June 30, 2022 and provided Section 2A. - Corrective actions taken were resample and test along with posting notices of high sodium. - Resample taken had a result of 214 mg/l. Section 2 B provided on July 27, 2022. Ottawa Public Health 9 (OPH) has issued an advisory due the elevated sodium levels. NFAR Recommend for closure	LALONDEPA

Parameter Table

Sample Collection Date	Sample Location	Details	Parameter	Unit	Verbal DWS Result	Verbal Lab Result	Written DWS Result	Written Lab Result	Chlorine Residual	Result mg/L
06/27/2022 13:45:00	ENTRYPOINT:GROUNDWATER(100000010013)		Sodium	MG/L	195	195	195	195	N/A	

Offences
Suspected Violations(s)/Offences(s)

Caller/PO Information

Contact Name:
Telephone #:
Email Address:
Mailing Address:

Company:
Fax Number:

Provincial Officer

Name: Patrick Lalonde
Work Unit: **Drinking Water Inspections Unit**

Badge #:
District/Area Office: Ottawa District

Date: August 22, 2022
Signature:



Supervisor

Name: Charlie Primeau
Work Unit: **Drinking Water Inspections Unit** **District/Area Office:** Ottawa District
Date: August 22, 2022
Signature:

Ontario

Ministry of the Environment

INCIDENT REPORT

DW System

Name: ST. PHILIP CATHOLIC SCHOOL WELL SUPPLY

Address: 79 MAITLAND ST, RICHMOND, K0A 2Z0, Canada

District Office: Kingston District

DWS #: 260015574

DWS Category: Small Non-Municipal Non-Residential

DWS Owner

Name: OTTAWA CARLETON CDSB

Mailing Address: 570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4

Physical Address: 570 WEST HUNT CLUB Rd NEPEAN ON Canada K2G 3R4

Phone: (613) 224-4455

Fax:

Email:

Client Type: CORPORATION

MOE Information

Incident Report #: 1-AGPBM

Master Incident Report #:

AWQI #:

Master AWQI #:

Date & Time Reported to MOE: November 27, 2012 02:14:03 PM

Office Receiving Incident Report: KINGSTON DISTRICT

Incident Info Received By: JAMES MAHONEY

Incident Type: Inspection Non-Compliance

Referring Inspection Report #: 1-AAFSW

Incident Summary: 2012-2013 Inspection Non-Compliance

MOE Response: No Further Response

Date & Time MOE Arrival: November 27, 2012 02:21:21 PM

Was an ERP called out? N

IDS Reference #:

Incident Description

Incident Date	Incident Description	Created By
November 27, 2012 02:29:30 PM	On November 27, 2012, James Mahoney visited the St. Philip Catholic School for the purpose of completing a compliance assessment. James Mahoney was accompanied by Custodian Jeff Black and Keith Brownlee of Brownlee Drinking Water Quality Management Inc. Through on-site discussion with Keith Brownlee and information exchanges with Holly Glockenspiel of Brownlee Water Quality Management it was confirmed that a monitoring oversight occurred resulting in the late collection of the 2012 sodium and fluoride sample. Brownlee Water Quality Management also acknowledged that sodium re-sampling had not occurred in the aftermath of the 2012 adverse test result and that corrective action in the future would include re-sampling for sodium exceedances. Brownlee Water Quality Management Inc. has implemented measures to ensure that the non-compliance issues cited in the inspection report do not recur.	MAHONEJA
November 29, 2012 02:37:56 PM	Inspection findings have been documented in LWIS Inspection Report 1-AAFSW. Although the inspection report provided a due date for communication of corrective measures Brownlee Water Quality Management Inc.'s Holly Glofcheskie, in an e-mail addressed to James Mahoney on November 27, 2012 had already acknowledged the errors and committed the company to modified actions in the future.	MAHONEJA

Offences

Suspected Violations(s)/Offences(s)

Provision/Provision Wording: O.Reg. 170/03 18-0

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Subsection 18-13 of Schedule 18, O. Reg. 170/03 prescribes corrective action to be taken when an Adverse Water Quality Incident is reported for sodium. The two prescribed corrective actions are:

1. Resample and test as soon as reasonably possible; and,

2. If a concentration of sodium that exceeds 20 milligrams per litre is detected under paragraph 1, take such other steps as are directed by the medical officer of health.

DWIS does not contain re-sample results for either the 2007 or the 2012 notification of elevated sodium test results.

Actions/Recommendations:

Offences

Suspected Violations(s)/Offences(s)

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that O. Reg. 170/03 prescribed corrective actions will be implemented in their entirety for all incidents where a report is required to be made under section 18 of the Safe Drinking Water Act.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Provision/Provision Wording: O.Reg. 170/03 15-5

15-5. The owner of a drinking water system and the operating authority for the system shall ensure that at least one water sample is taken every 60 months and tested for sodium.

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Approximately 64 months seperated the collection of treated water sodium samples in March 2007 and July 2012. Subsection 15-5 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for sodium.

Actions/Recommendations:

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future sodium sample collections will conform with the required frequency set out in O. Reg. 170/03.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

Provision/Provision Wording: O.Reg. 170/03 15-6

15-6. The owner of the system and the operating authority for the system shall ensure that at least one water sample is taken at least once every 60 months and tested for fluoride.

Compliance Action: Voluntary Abatement

Date Compliance Achieved: November 27, 2012

Summary of Details:

Approximately 64 months seperated the collection of treated water fluoride samples in March 2007 and July 2012. Subsection 15-6 of Schedule 15, O. Reg. 170/03 directs that the owner of a drinking water system and the operating authority for the system shall ensure that at least one treated water sample is taken every 60 months and tested for fluoride.

Actions/Recommendations:

By no later than January 18, 2013, provide the undersigned ministry supervisor with written confirmation that future fluoride sample collections will conform with the required frequency set out in O. Reg. 170/03.

The written confirmation may be supplied either by email addressed to james.mahoney@ontario.ca or by mail submitted to Ministry of the Environment, Safe Drinking Water Branch, Unit 3, 1259 Gardiners Road, P.O. Box 22032, Kingston, Ontario, K7M 8S5, Attention: James Mahoney.

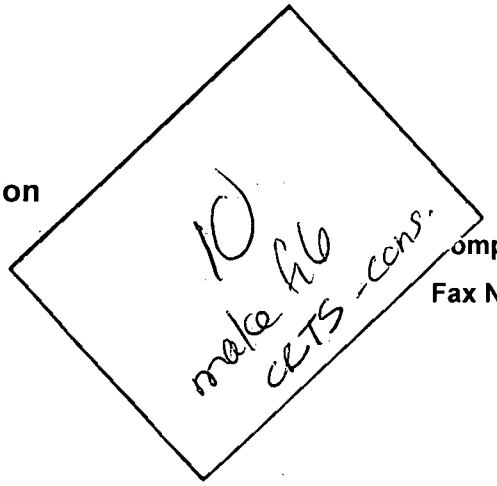
Caller/PO Information

Contact Name:

Telephone #:

Email Address:

Mailing Address:



ompany:

Fax Number:

Provincial Officer

Name: Annette Sterling

Badge #: 1293

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: November 29, 2012

Signature: J Mahoney

Supervisor

Name: James Mahoney

Work Unit: Drinking Water Inspections Unit

District/Area Office: Kingston District

Date: November 29, 2012

Signature: J Mahoney

The Ontario Water Resources Commission Act

WATER WELL RECORD

3164F

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1511144 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT: Carl | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond | CON., BLOCK, TRACT, SURVEY, ETC. | LOT

OWNER (SURNAME FIRST): Star Quality Homes | ADDRESS: RR # Stittsville Ont | DATE COMPLETED: DAY 30 MO. 04 YR. 71

21 | UTM ZONE 18 | EASTING 434238 | NORTHING 5010360 | RC. 4 | ELEVATION 0310 | RC. 5 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH FROM	DEPTH TO
brown	clay		packed	0	15
blue	limestone		hard	15	80

31 | 0015 | 0080 | 3/5

32

41 WATER RECORD

WATER FOUND AT — FEET	KIND OF WATER
0079	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH FROM	DEPTH TO
5 5/8	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	188	0	~~22~~ 0022
05			22	~~80~~ 0080
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			
05				0080
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT — FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0010 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
006 FEET	010 FEET	010 FEET	010 FEET	010 FEET	010 FEET

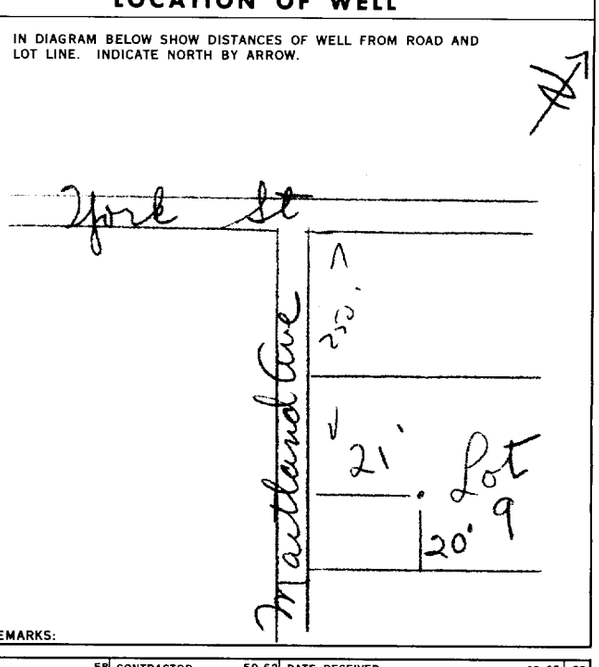
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP | RECOMMENDED PUMP SETTING: 030 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

50-53: 002.5 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

54: 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01

55-56: 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

57: 1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply | LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa

NAME OF DRILLER OR BORER: Moore | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY MO. YR.

OWRC COPY

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 010671

DATE OF INSPECTION | INSPECTOR WM

REMARKS: PK WI

63

31G/4f "A"

UTM 18 Z 413431 F
5 R 5010316410 N

Elev. 4 R 0131 10

Basin 215

GROUND WATER BRANCH
15 - No. 9232
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act, 1957

WATER WELL RECORD

County or District CARLETON Township, Village, Town or City VILLAGE OF RICHMOND (NEPEAN)

Con. — Lot — Date completed 23 (day) JUNE (month) 1960 (year)

Owner JOHN CODY CONST. (print in block letters) Address 212 ELLENDALE CRESCENT OTTAWA

Casing and Screen Record

Inside diameter of casing 8"

Total length of casing 24'

Type of screen NONE

Length of screen

Depth to top of screen

Diameter of finished hole 8"

Pumping Test

Static level 8'

Test-pumping rate 45 G.P.M.

Pumping level 20'

Duration of test pumping 1 HR.

Water clear or cloudy at end of test CLOUDY

Recommended pumping rate 45 G.P.M.

with pumping level of 20'

Well Log

Overburden and Bedrock Record	From ft.	To ft.
Sand & boulders	0'	14'
Limestone	24'	80'

Water Record

Depth(s) at which water(s) found	No. of feet water rises	Kind of water (fresh, salty, sulphur)
80	72	fresh

For what purpose(s) is the water to be used?

SCHOOL

Is well on upland, in valley, or on hillside?

Drilling Firm McLEAN WATER SUPPLY LTD.

Address 1532 RAVEN AVE. PA 2-7915 OTTAWA

Licence Number 476

Name of Driller B. FOSTER

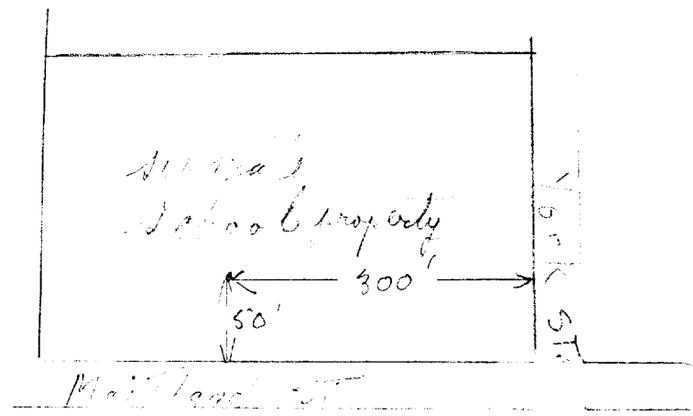
Address

Date

A. L. McLean
(Signature of Licensed Drilling Contractor)

Location of Well

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



Form 5

31C/4f. "A"

UTM 18 Z 413414 L 0 F
5 R 5010317615 N

Elev. 4 R 013019

Basin 25 | 1 E

County or District CARLETON

Township, Village, Town or City RICHMOND

Con. — Lot —

Date completed 10 (day) MAR (month) 62 (year)

Owner J. P. BIGRAS CONST CO (print in block letters)

Address EASTVIEW

GROUND WATER BRANCH
15 No. 9256
JUN 1 1962
ONTARIO WATER RESOURCES COMMISSION

The Ontario Water Resources Commission Act

WATER WELL RECORD

Casing and Screen Record

Inside diameter of casing	4"
Total length of casing	20'
Type of screen	—
Length of screen	—
Depth to top of screen	—
Diameter of finished hole	4"

Pumping Test

Static level	12
Test-pumping rate	5 G.P.M.
Pumping level	15
Duration of test pumping	1 HR
Water clear or cloudy at end of test	CLEAR
Recommended pumping rate	5 G.P.M.
with pump setting of	50 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
BLUE CLAY	0	20		
LIMESTONE	20	60	40-60	FRESH

For what purpose(s) is the water to be used? NEW HOUSE

Is well on upland, in valley, or on hillside? ✓

Drilling or Boring Firm F. P. SPARKS

Address 57 FITZVILLE

Licence Number 616

Name of Driller or Borer SAME

Address

Date MAY 24/62

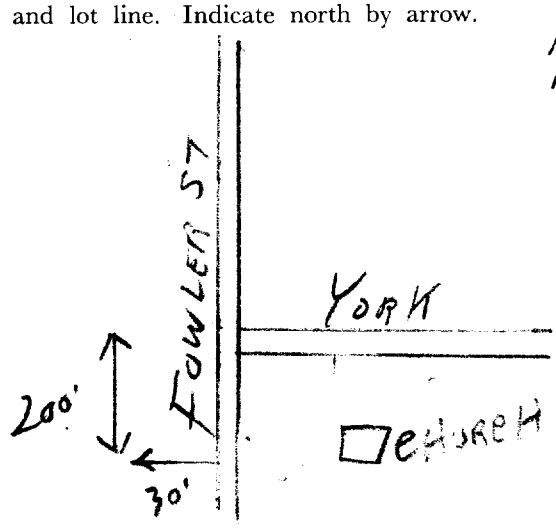
L. Sparks
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M Sets 60-5930

OWRC COPY

Location of Well

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



6

316/4f. 7A"

UTM 1 8 Z 4 3 4 5 0 0 E

5 R 5 0 0 3 7 3 5 N

Elev. 4 R 0 3 0 0

Basin 2 5

County or District [redacted]

Township, Village, Town or City Richmond

Lot —

Date completed 14 July 64 (day / month / year)

[redacted] Richmond

WATER RESOURCES DIVISION
15 No
SEP 21 1964
ONTARIO WATER RESOURCES COMMISSION

C

9288

The Ontario Water Resources Commission Act

WATER WELL RECORD

Casing and Screen Record

Inside diameter of casing 4

Total length of casing 15

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 4

Pumping Test

Static level 10

Test-pumping rate 5 G.P.M.

Pumping level 12

Duration of test pumping 1 hr

Water clear or cloudy at end of test Clear

Recommended pumping rate 5 G.P.M.

with pump setting of 15 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
Topsoil	0	15		
Limestone	15	50	30 30	Fresh

For what purpose(s) is the water to be used? House

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm F. P. Sparks

Address [redacted]

Licence Number 1503

Name of Driller or Borer F. P. S.

Address

Date 5-9-21-64

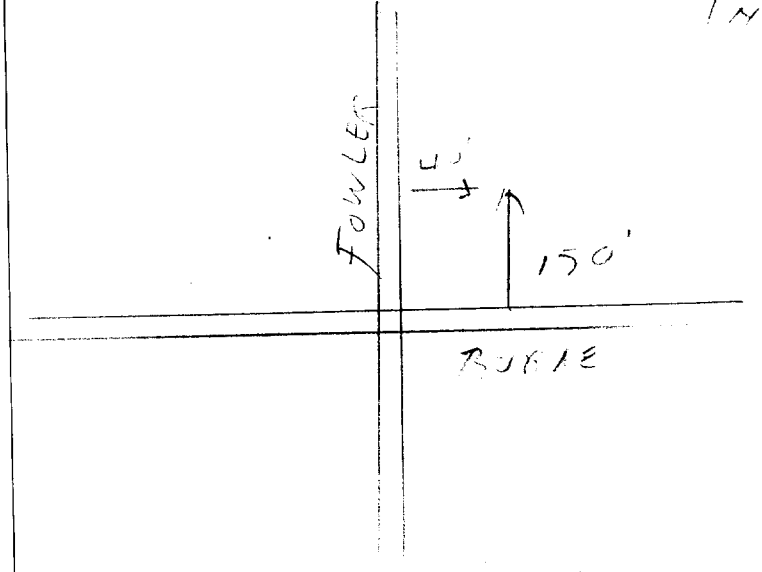
F. P. Sparks
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



C9

31G/4f. "A"

UTM 18 Z 414318 E
5 R 5010180 N

Elev. 4 R 0310

Basin 25

The Ontario Water Resources Commission Act

WATER WELL RECORD

WATER RESOURCES DIVISION
15 No. 9296
ONTARIO WATER RESOURCES COMMISSION

County or District Carleton Township, Village, Town or City ~~Goulbourn~~ Richmond

Con. ... Lot pt 19 Date completed 25th (day) Sept. (month) 1965 (year)

[redacted] ess Forfar, Ont.
drilled in Richmond)

Casing and Screen Record

Inside diameter of casing: 6 and 5/8
Total length of casing: 16'
Type of screen: -
Length of screen: -
Depth to top of screen: -
Diameter of finished hole: 6"

Pumping Test

Static level: 10
Test-pumping rate: 300 G.P.H. ~~G.P.M.~~
Pumping level: 35'
Duration of test pumping: 1 hour
Water clear or cloudy at end of test: clear
Recommended pumping rate: 300 G.P.H. ~~G.P.M.~~
with pump setting of 10 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
clay	0	13	72	fresh
limestone (grey)	13	80		

For what purpose(s) is the water to be used? house

Is well on upland, in valley, or on hillside? upland

Drilling or Boring Firm: J.B. Dufresne & Co. Ltd.

Address: 1014 Maitland Ave., Ottawa, Ont.

Licence Number: 1307

Name of Driller or Borer: W. Roy

Address: 79 ST-Bap tiste, Deschenes Que.

Date: September 25th, 1965

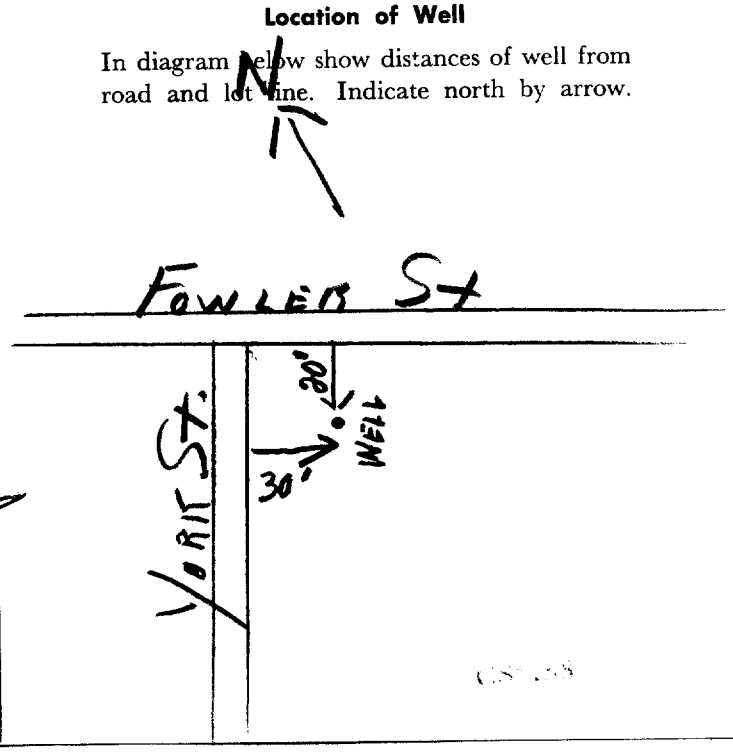
for J.B. Dufresne & Co. Ltd.
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

OWRC COPY

Location of Well

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



UTM 18 434321 CODED
458870138101
Elev. 4 01301
Basin 21ST Carleton

1509735

Water management in Ontario

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton — Township, Village, Town or City Richmond

Con. III Lot 23 — Date completed 5 (day) Nov (month) 1968 (year)

[redacted] Address Stittsville Ont.

Casing and Screen Record

Inside diameter of casing 5"

Total length of casing 22'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5"

Pumping Test

Static level 5'

Test-pumping rate 10 G.P.M.

Pumping level 19'

Duration of test pumping 1 hr

Water clear or cloudy at end of test

Recommended pumping rate 5 G.P.M.

with pump setting of 30 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
clay	0'	15'	47	fresh
limestone	15'	49'		

For what purpose(s) is the water to be used?
new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashlord Dr Ottawa 6

Licence Number 2857

Name of Driller or Borer V. Muron

Address

Date Nov 5 1968

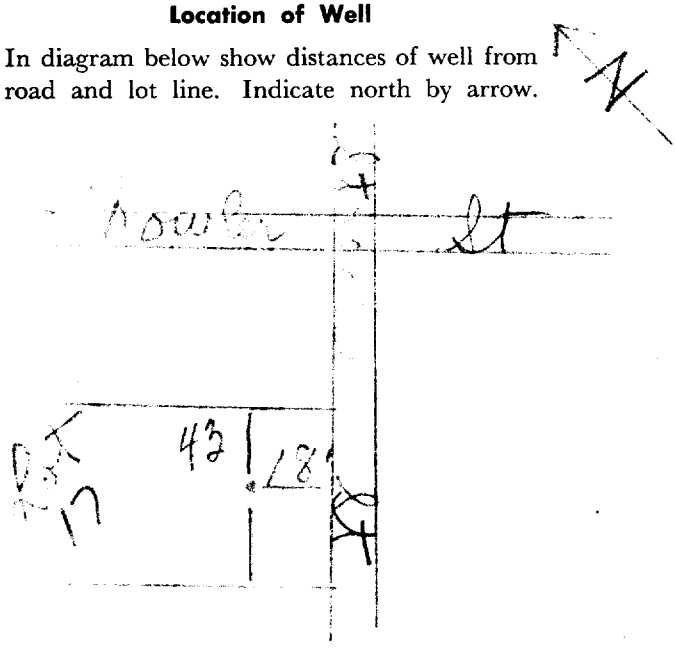
Walter Kavanagh
(Signature of Licensed Drilling or Boring Contractor)

Form 7

OWRC COPY

Location of Well

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



UTM 18 434341 COCLED
4 5010 3850
Elev. 4 931 0
Resin 25 + L

1509750

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton — Township, Village, Town or City Richmond

Con. 11 — Lot 23 — Date completed 27 (day) Sept (month) 1968 (year)

[redacted] Address Stittsville Ont.

Casing and Screen Record

Inside diameter of casing 5"

Total length of casing 22'

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5"

Pumping Test

Static level 10

Test-pumping rate 10 G.P.M.

Pumping level 23

Duration of test pumping 1 hr

Water clear or cloudy at end of test

Recommended pumping rate 5 G.P.M.

with pump setting of 35 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
clay	0	13	46	fresh
clay & boulders	13	18		
limestone	18	47		

For what purpose(s) is the water to be used?

new house

Is well on upland, in valley, or on hillside?

Drilling or Boring Firm Capital Water Supply Ltd.

Address 14 Ashford Dr Ottawa 6

Licence Number 2857

Name of Driller or Borer B Acres

Address

Date 27 Sept 1968

Walter Cavanagh

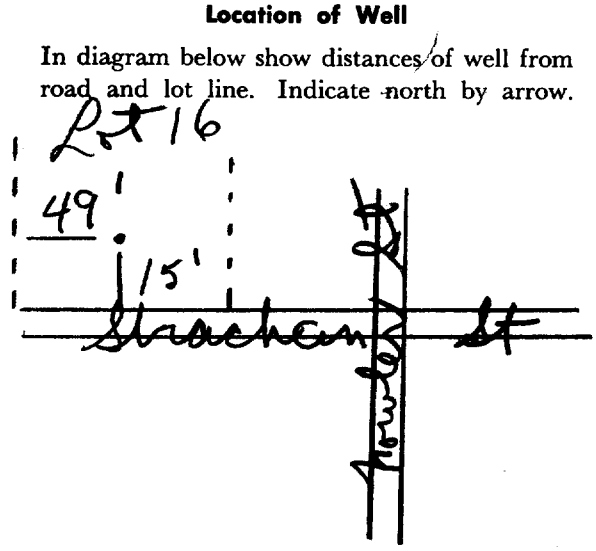
(Signature of Licensed Drilling or Boring Contractor)

Form 7 5M 60-20912

OWRC COPY

Location of Well

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



TM 18 Z 4343 40 55 31648

4 R 5 0 0 3 8 40 55

ev. 4 R 0 3 0 5

sin 21 5 1

K.M.

1510629

The Ontario Water Resources Commission Act

WATER WELL RECORD

County or District Carleton Township, Village, Town or City Richmond

Con. Lot Date completed 9 (day) April (month) 70 (year)

Owner St. Johns Anglican Church (print in block letters) Address Richmond Ont.

Casing and Screen Record

Inside diameter of casing 5 in.

Total length of casing 21 ft.

Type of screen

Length of screen

Depth to top of screen

Diameter of finished hole 5 in.

Pumping Test

Static level 4 ft.

Test-pumping rate 20 G.P.M.

Pumping level 20 ft.

Duration of test pumping 1 hr.

Water clear or cloudy at end of test cloudy

Recommended pumping rate 10 G.P.M.

with pump setting of 20 feet below ground surface

Well Log

Overburden and Bedrock Record	From ft.	To ft.	Water Record: Depth(s) at which water(s) found	Water Record: Kind of water (fresh, salty, sulphur)
clay stones	0	16		
limestone	16	50	48	fresh

For what purpose(s) is the water to be used? church hall

Is well on upland, in valley, or on hillside? valley

Drilling or Boring Firm Henry Krause Well Drilling

Address Box 326, Richmond Ont.

Licence Number 3644

Name of Driller or Borer

Address

Date April 13/70

Henry Krause

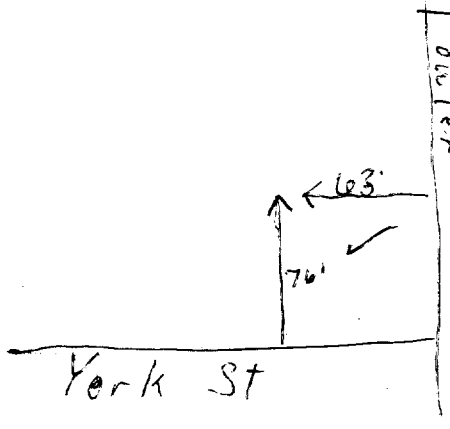
(Signature of Licensed Drilling or Boring Contractor)

Form 7 15M-60-4138

O W R C COPY

Location of Well

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



K.M.

r/k

3164f

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1510630 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT: Carleton | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond | CON., BLOCK, TRACT, SURVEY, ETC.: Pt. 3 | LOT: 13

[redacted] 6 Melrose Ave Ottawa | DATE COMPLETED: DAY 24 MO Mar. YR. 70

UTM | 03565 | RC 4 | ELEVATION 0308 | RC 4 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
brown	clay	stones		0	17
grey	limestone		hard	17	70

31 | 0017 0045 | 0021 3151

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0070	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	~~20~~ 0020
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0071
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0007 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
004 FEET	035 FEET		030 FEET	035 FEET	035 FEET	035 FEET

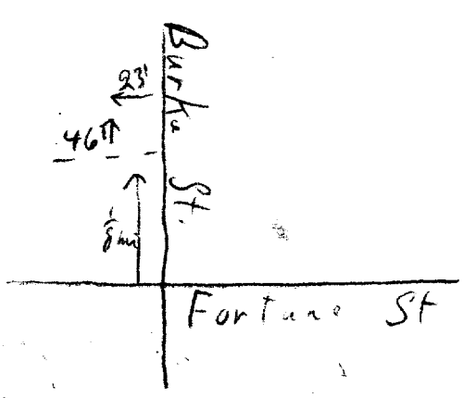
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP | RECOMMENDED PUMP SETTING: 040 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

50-53 0002 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54): 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE (55-56) 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING (57): 1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Morris Well Drlg | LICENCE NUMBER: 3644

ADDRESS: Box 821, Richmond Ont.

NAME OF DRILLER OR BORER: Henry Morris | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Henry Morris | SUBMISSION DATE: DAY 28 MO Mar. YR. 70

OFFICE USE ONLY

DATA SOURCE (58): 1 | CONTRACTOR (59-62): 3644 | DATE RECEIVED (63-68): 030770

DATE OF INSPECTION | INSPECTOR: Km

REMARKS: J.D

OWRC COPY

31648

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1510863 | MUNICIP. 15791 | CON.

COUNTY OR DISTRICT: Carl | TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond | CON., BLOCK, TRACT, SURVEY, ETC. | LOT

OWNER (SURNAME FIRST): Star Quality Homes | ADDRESS: Stittsville Ont | DATE COMPLETED: DAY 13 MO 08 YR 70

21 | UTM ZONE 18 | EASTING 434375 | NORTHING 5093590 | RC. 4 | ELEVATION 0305 | RC. 4 | BASIN CODE 25

31 | GG13 6A5

32

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
brown	clay		packed	0	13
blue	limestone		hard	13	34

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0032	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
04	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	08/15 ~~75~~
06			15	34
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0034
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER | PUMPING RATE: 0060 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
002 FEET	008 FEET	008 FEET	008 FEET	008 FEET	008 FEET

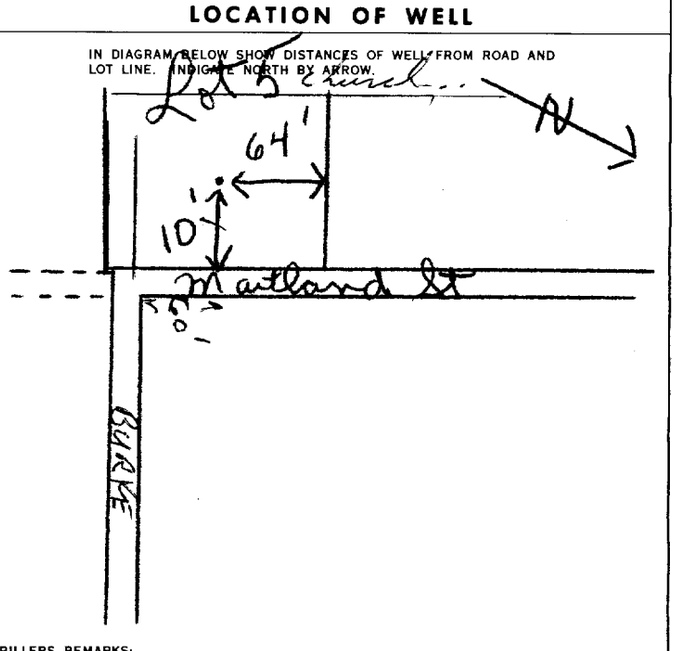
IF FLOWING, GIVE RATE: GPM. | PUMP INTAKE SET AT: FEET | WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ ~~CLOUDY~~

RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP | RECOMMENDED PUMP SETTING: 025 FEET | RECOMMENDED PUMPING RATE: 0005 GPM.

50-53: 010.0 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

54 FINAL STATUS OF WELL: 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

55-56 WATER USE 01: 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☐ NOT USED

57 METHOD OF DRILLING: 1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply | LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa 6

NAME OF DRILLER OR BORER: W Kavanagh | LICENCE NUMBER

SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY MO YR

OWRC COPY

OFFICE USE ONLY

DATA SOURCE 58: 1 | CONTRACTOR 59-62: 1558 | DATE RECEIVED 63-68: 280970

DATE OF INSPECTION | INSPECTOR

REMARKS: P WI

The Ontario Water Resources Commission Act

WATER WELL RECORD

3 G 41F

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1511100 | MUNICIP. 15791 | CON. 4

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
CARLETON	RICHMOND		

OWNER (SURNAME FIRST) 28-47	ADDRESS	DATE COMPLETED 48-53
STAR QUALITY HOMES LTD.	STITTSVILLE Ont.	DAY 31 MO. 03 YR. 71

21 | UTM ZONE 18 | EASTING 434380 | NORTHING 5010360 | RC. | ELEVATION 0310 | RC. | BASIN CODE 25 | II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
BLUE	CLAY		SOFT	0	8
GREY	CLAY	BOULDERS	HARD	8	10
GREY	LIMESTONE		HARD	10	75

31 | 0008305 | 0010205 1/3 | 0075215

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0073	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
5	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	188	0	22 0022
05			22	75
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0075
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0020 GPM.	01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
005 FEET	008 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	008 FEET	008 FEET	008 FEET	008 FEET

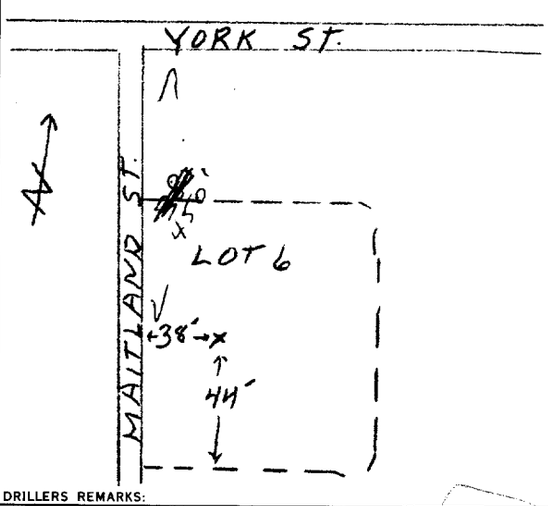
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	030 FEET	005 GPM.

50-53 0067 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☐ NOT USED

METHOD OF DRILLING

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: CAPITAL WATER SUPPLY — LICENCE NUMBER: 1558

ADDRESS: 14 ASHFORD DR.

NAME OF DRILLER OR BORER: J. MOORE — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kavanagh — SUBMISSION DATE: DAY MO YR

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 140471

DATE OF INSPECTION | INSPECTOR

REMARKS: P K WI

OWRC COPY

The Ontario Water Resources Commission Act

WATER WELL RECORD

3164F

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1511109 | MUNICIP. 1,5,7,0,1 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Richmond		

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Star Quality Homes ~~LTD~~	St. Hsville Ont.	DAY 29 MO 03 YR 71

21 | UTM ZONE 18 | EASTING 434320 | NORTHING 5010375 | RC 4 | ELEVATION 0850 | RC 5 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Blue	Clay	Silt	Packed	0'	16'
Grey	Lime Stone		Hard	16'	84'

31 | 0016305096 | 0018424/5

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0082'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1.88	0'	~~0022~~ ~~22~~
06			22	~~84~~ 0084
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0025 GPM.	HOURS MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
005 FEET	025 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	025' FEET	025' FEET	025' FEET	025' FEET

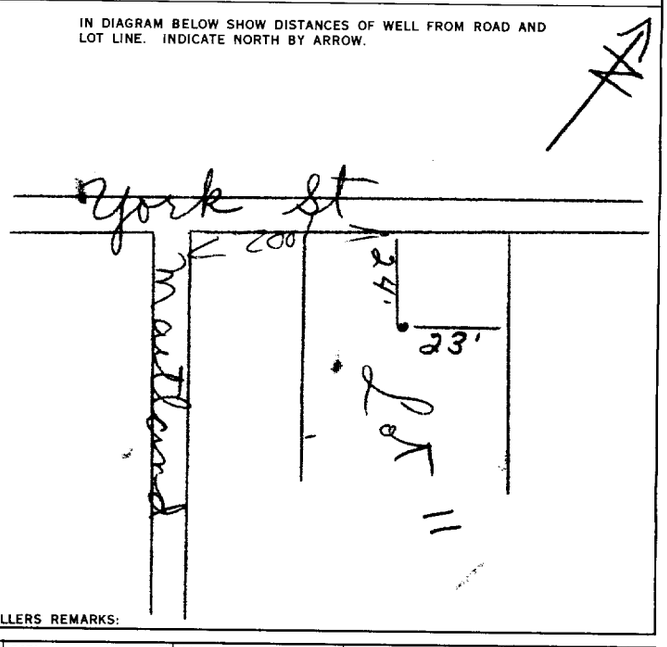
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	030' FEET	0005 GPM.

50-53 0012 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54)
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE (55-56) 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING (57)
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply — LICENCE NUMBER: 1558.
ADDRESS: 14 Ashford Dr Ottawa
NAME OF DRILLER OR BORER: B Busson — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Walter Kavanagh — SUBMISSION DATE: DAY MO YR

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OFFICE USE ONLY

DATA SOURCE (58): 1 — CONTRACTOR (59-62): 1558 — DATE RECEIVED (63-68): 150471
DATE OF INSPECTION — INSPECTOR: M
REMARKS:
P ✓
WI

The Ontario Water Resources Commission Act

WATER WELL RECORD

3G4F

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
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11 | 1511110-1 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Richmond		

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Star Quality Homes	St. Hsville Ont	DAY 29 MO. 03 YR. 71

21 | UTM ZONE 18 | EASTING 4/3 ~~4~~ 5 7 0 | NORTHING 5 0 0 3 6 4 0 | RC. 4 | ELEVATION 0 3 1 0 | RC. 5 | BASIN CODE 25

31 | 0012305906 | 00702/5

32

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Blue	Clay	Silt	Packed	0'	12'
Grey	Lime Stone		Hard	12'	70'

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0068	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
6	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	1.88	0	~~22~~ 21
06			21	~~70~~ 70'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0070
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0007 GPM. | DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
010 FEET	050 FEET	050 FEET	050 FEET	050 FEET	050 FEET

WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

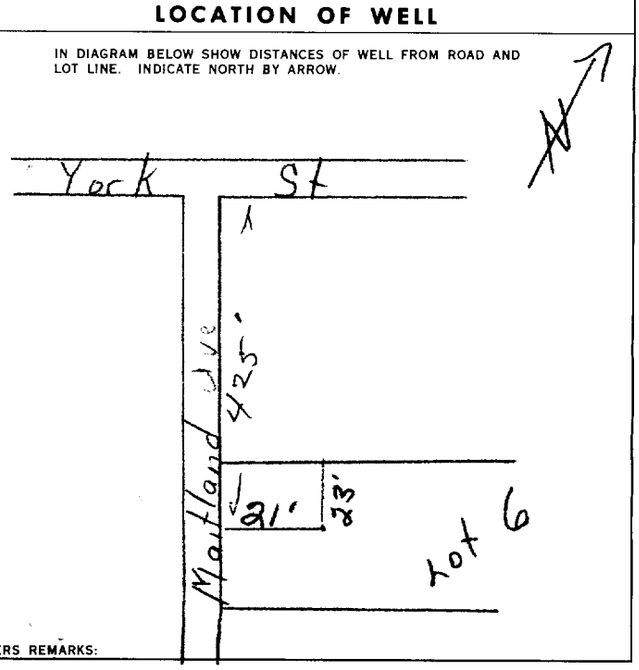
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	060 FEET	0005 GPM.

50-53 0002 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

54

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01

55-56

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

57

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Capital Water Supply	1558
ADDRESS: 14 Ashford Dr Ottawa	
NAME OF DRILLER OR BORER: B Bisson	LICENCE NUMBER
SIGNATURE OF CONTRACTOR: Walter Kavanagh	SUBMISSION DATE: DAY ____ MO. ____ YR. ____

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DATA SOURCE 58	CONTRACTOR 59-62	DATE RECEIVED 63-68 80
1	1558	150471
DATE OF INSPECTION	INSPECTOR	
REMARKS:		P K
		WI

The Ontario Water Resources Commission Act

WATER WELL RECORD

31G4F

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 (1 2) — 1511111 — MUNICIP. 15701 (10 14) — CON. (15 22 23 24)

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT (25-27)
Carleton	Richmond		

OWNER (SURNAME FIRST) (28-47)	ADDRESS	DATE COMPLETED (48-53)
Star Quality Homes Ltd	St. Hsuille Ont	DAY 29 MO 03 YR 71

21 (1 2) — UTM ZONE 18 (10) — EASTING 434360 (12 17) — NORTHING 5010360 (18 24) — RC. 4 (25) — ELEVATION 0210 (26) — RC. 5 (30) — BASIN CODE 25 (31) — II III IV (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Blue	Clay	Silt	Packed	0	13'
Grey	lime Stone		Hard	13	93'

31 (1 2) — 0013305900 — 0093216T (10 14 15 21 32 43 54 65 75 80)

32 (1 2)

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0090 (10-13)	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (14)
(15-18)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (19)
(20-23)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (24)
(25-28)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (29)
(30-33)	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL (34) (80)

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
06 (10-11)	1 ☐ STEEL (12) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	1.88	0	~~22~~ 0022
~~6~~			22	~~93~~
06 (17-18)	1 ☐ STEEL (19) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0093 (20-23)
(24-25)	1 ☐ STEEL (26) 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			(27-30)

SCREEN

SIZE(S) OF OPENING (SLOT NO.) (31-33)	DIAMETER (34-38) INCHES	LENGTH (39-40) FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN (41-44) FEET	(80)

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
(10-13)	(14-17)	
(18-21)	(22-25)	
(26-29)	(30-33) (80)	

71 PUMPING TEST

PUMPING TEST METHOD (10)	PUMPING RATE (11-14) GPM.	DURATION OF PUMPING (15-16) HOURS (17-18) MINS.
1 ☒ PUMP 2 ☐ BAILER	0006	01 hrs 00 mins

STATIC LEVEL (19-21) FEET	WATER LEVEL END OF PUMPING (22-24) FEET	WATER LEVELS DURING (25) 1 ☐ PUMPING 2 ☒ RECOVERY	15 MINUTES (26-28) FEET	30 MINUTES (29-31) FEET	45 MINUTES (32-34) FEET	60 MINUTES (35-37) FEET
012'	060		060'	060'	060'	060'

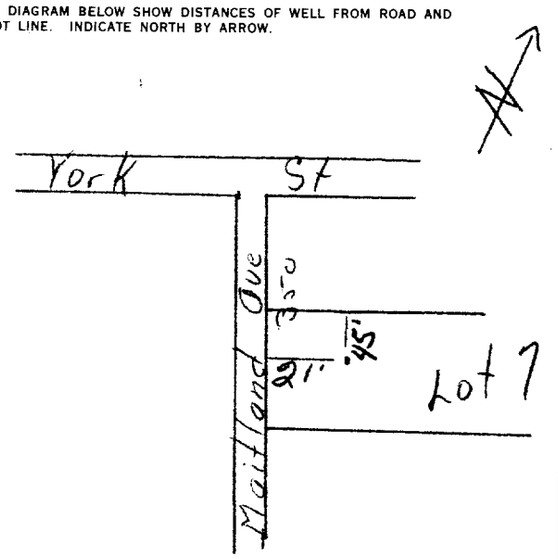
IF FLOWING, GIVE RATE (38-41) GPM.	PUMP INTAKE SET AT FEET	WATER AT END OF TEST (42) 1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING (43-45) FEET	RECOMMENDED PUMPING RATE (46-49) GPM.
☐ SHALLOW ☒ DEEP	075	0005

(50-53) 000.1 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54)
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE (55-56) 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☐ NOT USED

METHOD OF DRILLING (57)
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Capital Water Supply	1558
ADDRESS: 14 Ashford Dr Ottawa	
NAME OF DRILLER OR BORER: B Busson	LICENCE NUMBER
SIGNATURE OF CONTRACTOR: Walter Kavanagh	SUBMISSION DATE DAY MO YR

OFFICE USE ONLY

DATA SOURCE (58)	CONTRACTOR (59-62)	DATE RECEIVED (63-68) (80)
1	1558	150471
DATE OF INSPECTION	INSPECTOR	
REMARKS:		P K / WI

OWRC COPY

Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 1529019

Municipality: 15003 — Con.: CON — 03

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot
[redacted]	Goulbourn		3			22

Address: P.O. Box 59 Richmond,Ontario K0A 2Z0

Date completed: 17 day 7 month 96 year

21 — Northing — RC — Elevation — RC — Basin Code — ii — iii — iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
Brown	Clay	Stones		0	9
Gray	Limestone		Medium	9	160
Gray & White	Sandstone			160	250

31

32

41 WATER RECORD

Water found at – feet	Kind of water
68	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
219	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
241	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
NOT TESTED	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6 1/4	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	25
5 13/16	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic		25	250
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type: | Depth at top of screen feet:

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at – feet From	Depth set at – feet To	Material and type (Cement grout, bentonite, etc.)
23'6"	0	Grouted Cement (3)

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer

Pumping rate: 25–30 GPM

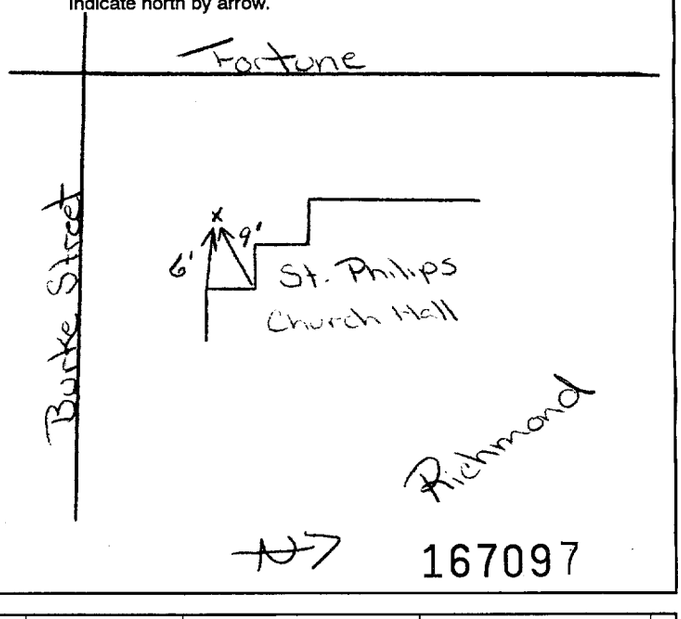
Duration of pumping: 1 Hours ..... Mins

Static level	Water level end of pumping	Water levels during: 1 ☐ Pumping 2 ☐ Recovery			
		15 minutes	30 minutes	45 minutes	60 minutes
8 feet	25 feet	245 feet	175 feet	75 feet	25 feet

If flowing give rate	Pump intake set at	Water at end of test
GPM	feet	☐ Clear ☒ Cloudy
Recommended pump type: ☐ Shallow ☒ Deep	Recommended pump setting: 125 feet	Recommended pump rate: 5 GPM

LOCATION OF WELL

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



FINAL STATUS OF WELL

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not used 10 ☐ Other .....

METHOD OF CONSTRUCTION

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other .....

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Address: P.O. Box 490 Stittsville, Ontario k2S 1A6

Name of Well Technician	Well Technician's Licence No.
S. Miller	T0097

Signature of Technician/Contractor: [signature]

Submission date: day 18 mo 7 yr 96

MINISTRY USE ONLY

Data source | Contractor: 1558 | Date received: AUG 13 1996

Date of inspection | Inspector

Remarks: CSS.ES

2 - MINISTRY OF ENVIRONMENT & ENERGY COPY

0506 (07/94) Front Form 9

The Ontario Water Resources Commission Act

WATER WELL RECORD

3164F

Water management in Ontario

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11 | 1511146 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT: Carl

TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond

CON., BLOCK, TRACT, SURVEY, ETC.:

LOT:

OWNER (SURNAME FIRST): Star Quality Homes

ADDRESS: RR #2 Stittsville Ont

DATE COMPLETED: DAY 06 MO 05 YR 71

21 | UTM ZONE 18 | EASTING 9343495 | NORTHING 5003610 | RC. 4 | ELEVATION 0310 | RC. 5 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
grey	fill	sandy gravel	loose	0	6
brown	clay		packed	6	9
blue	limestone		hard	9	76

31 | 0000291111109 | 0009005 | 0026315

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0074	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
~~5~~ 8	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE ~~4 ☒ OPEN HOLE~~	188	0	~~22~~ 1336
05			22	0022 ~~76~~
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0076
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER

PUMPING RATE: GPM.

DURATION OF PUMPING: HOURS MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
004 FEET	006 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	006 FEET	006 FEET	006 FEET	006 FEET

IF FLOWING, GIVE RATE: GPM.

PUMP INTAKE SET AT: FEET

WATER AT END OF TEST: ☒ 1 CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP

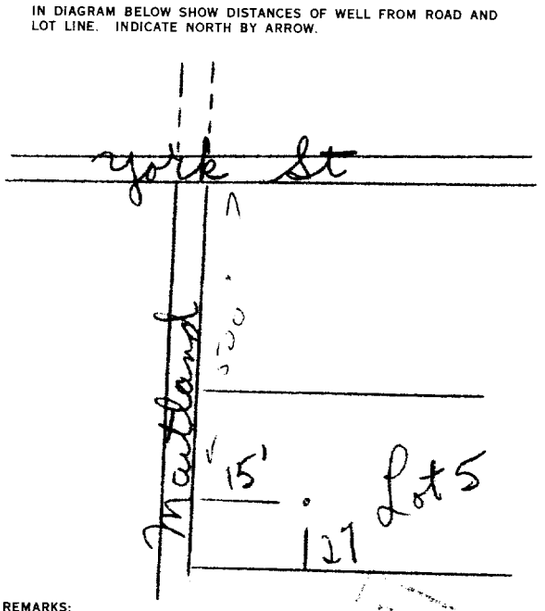
RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMPING RATE: 0005 GPM.

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY
2 ☐ OBSERVATION WELL
3 ☐ TEST HOLE
4 ☐ RECHARGE WELL
5 ☐ ABANDONED, INSUFFICIENT SUPPLY
6 ☐ ABANDONED, POOR QUALITY
7 ☐ UNFINISHED

WATER USE

01

1 ☒ DOMESTIC
2 ☐ STOCK
3 ☐ IRRIGATION
4 ☐ INDUSTRIAL
5 ☐ COMMERCIAL
6 ☐ MUNICIPAL
7 ☐ PUBLIC SUPPLY
8 ☐ COOLING OR AIR CONDITIONING
☐ OTHER
9 ☐ NOT USED

METHOD OF DRILLING

1 ☒ CABLE TOOL
2 ☐ ROTARY (CONVENTIONAL)
3 ☐ ROTARY (REVERSE)
4 ☐ ROTARY (AIR)
5 ☐ AIR PERCUSSION
6 ☐ BORING
7 ☐ DIAMOND
8 ☐ JETTING
9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply | LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr Ottawa 6

NAME OF DRILLER OR BORER: L Burrows | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE DAY MO YR

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1558 | DATE RECEIVED: 070671

DATE OF INSPECTION: | INSPECTOR: KM

REMARKS:

P

WI

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Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **1531125** Municipality 15003 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Ottawa Carleton	Goulbourn	3	22/23

Address: 9 Lanigan Stittsville,Ontario K2S 1G9

Date completed: 29 day 5 month 00 year

21 Northing RC Elevation RC Basin Code i ii iii iv

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Clay	Stones		0	6
Gray	Limestone		Hard	6	100

31

32

41 WATER RECORD

Water found at - feet	Kind of water
32	2 Salty
89	1 Fresh
NOT TESTED	

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 Steel	.188	0	22.5
6	4 Open hole		22.5	100

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

Annular space ☒ Abandonment ☐

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
21	0	Grouted -Cement (30

71 PUMPING TEST

Pumping test method: 1 Pump ☒ 2 Bailer ☐ | Pumping rate: 7 GPM | Duration of pumping: 1 Hours Mins

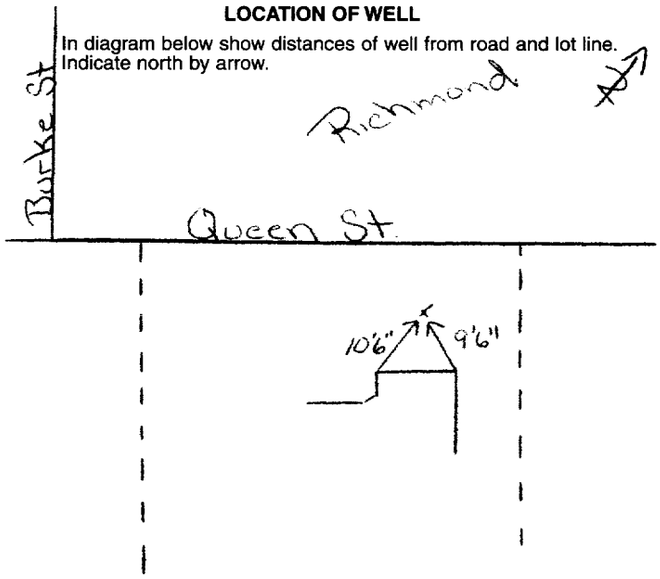
Static level	Water level end of pumping	Water levels during: Pumping ☒ Recovery ☐			
		15 minutes	30 minutes	45 minutes	60 minutes
22.5 feet	30 feet	90 feet	75 feet	60 feet	30 feet

If flowing give rate	Pump intake set at	Water at end of test
GPM	feet	Clear ☐ Cloudy ☒

Recommended pump type	Recommended pump setting	Recommended pump rate
Shallow ☐ Deep ☒	75 feet	5 GPM

LOCATION OF WELL

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



208599

FINAL STATUS OF WELL

1 ☒ Water supply; 2 ☐ Observation well; 3 ☐ Test hole; 4 ☐ Recharge well; 5 ☐ Abandoned, insufficient supply; 6 ☐ Abandoned, poor quality; 7 ☐ Abandoned (Other); 8 ☐ Dewatering; 9 ☐ Unfinished; 10 ☐ Replacement well

WATER USE

1 ☐ Domestic; 2 ☒ Stock; 3 ☐ Irrigation; 4 ☐ Industrial; 5 ☐ Commercial; 6 ☐ Municipal; 7 ☐ Public supply; 8 ☐ Cooling & air conditioning; 9 ☐ Not use; 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☐ Cable tool; 2 ☐ Rotary (conventional); 3 ☐ Rotary (reverse); 4 ☒ Rotary (air); 5 ☒ Air percussion; 6 ☐ Boring; 7 ☐ Diamond; 8 ☐ Jetting; 9 ☐ Driving; 10 ☐ Digging; 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558

Address: P.O. Box 490 Stittsville,Ontario K2S 1A6

Name of Well Technician	Well Technician's Licence No.
S. Miller	T0097

Signature of Technician/Contractor | Submission date: day 31 mo 5 yr 00

MINISTRY USE ONLY

Data source | Contractor: 1558 | Date received: JUN 20 2000

Date of inspection | Inspector

Remarks: CSS.ES0

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (11/98) Front Form 9

3164f.

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 (1 2) | 1511395 (3) | MUNICIP. 1570 (10 14) | CON. (15 22 23 24)

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT 25-27
Carleton	Richmond		

OWNER (SURNAME FIRST) 28-47: Star Quality Homes Ltd

ADDRESS: RR2 Stittsville Ont.

DATE COMPLETED 48-53: DAY 11 MO. 08 YR. 71

21 (1 2)

UTM ZONE (10): 18 | EASTING (12-17): 431427 | NORTHING (18-24): 5030795 | RC (25): 4 | ELEVATION (26-29): 0308 | RC (30): 4 | BASIN CODE (31): 25 (II III IV)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Grey	Clay	stones	soft	0	16
Grey	limestone		hard	16	64

31: 0916290512 | 0964215

32:

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0063	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		0	21
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		21	0064
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0010 GPM.	01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 FEET	012 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	012 FEET	012 FEET	012 FEET	012 FEET

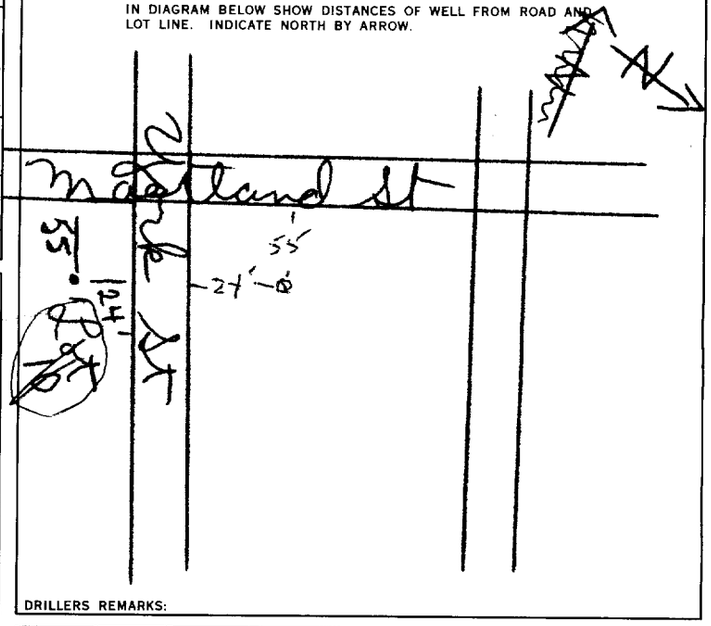
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	030 FEET	0005 GPM.

50-53: 0002.5 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54)

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE (55-56)

01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING (57)

1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd | LICENCE NUMBER: 1558

ADDRESS: 14 Ashford Dr. Ottawa

NAME OF DRILLER OR BORER: E. Maurice | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kawanagh | SUBMISSION DATE: DAY 11 MO. 8 YR. 71

OWRC COPY

OFFICE USE ONLY

DATA SOURCE (58): 1 | CONTRACTOR (59-62): 1558 | DATE RECEIVED (63-68): 100971

DATE OF INSPECTION | INSPECTOR: Km.

REMARKS:

P Km.

WI

3164 F.

The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1511396 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT: CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: RICHMOND
CON., BLOCK, TRACT, SURVEY, ETC.:
LOT:
OWNER (SURNAME FIRST): STAR QUALITY HOMES
ADDRESS: STITTSVILLE
DATE COMPLETED: DAY 10 MO 08 YR 71

21 | UTM ZONE 18 | EASTING 434340 | NORTHING 5037610 | RC 4 | ELEVATION 0308 | RC 4 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
GREY	CLAY	STONES	SOFT	0	16
GREY	LIMESTONE		HARD	16	81

31 | 09/62 05 12 | 09 81 2 15

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0080	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
5	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	188	0	21
05			21	0021 81
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0081
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

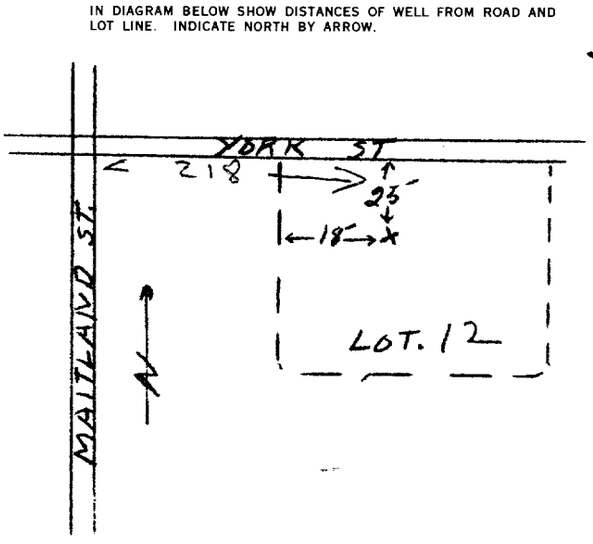
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 0016 GPM.
DURATION OF PUMPING: 01 HOURS 00 MINS.
WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY

STATIC LEVEL	WATER LEVEL END OF PUMPING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 FEET	015 FEET	015 FEET	015 FEET	015 FEET	015 FEET

IF FLOWING, GIVE RATE: GPM.
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 030 FEET
RECOMMENDED PUMPING RATE: 0005 GPM.
0023 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL 54
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 55-56 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☐ NOT USED

METHOD OF DRILLING 57
1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: CAPITAL WATER SUPPLY | LICENCE NUMBER: 1558
ADDRESS: 14 ASHFORD
NAME OF DRILLER OR BORER: J. MOORE | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY 16 MO 8 YR 71

OFFICE USE ONLY

DATA SOURCE 58: 1 | CONTRACTOR 59-62: 1558 | DATE RECEIVED 63-68: 10 09 71 | 80
DATE OF INSPECTION | INSPECTOR: Kmc
REMARKS: P Kmc. WI

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WATER WELL RECORD

Water management in Ontario

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11 | 1511398 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
CARLETON	Richmond		

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
STAR QUALITY HOMES	STITTSVILLE	DAY 06 MO 08 YR 71

21 | UTM ZONE 18 | EASTING 434380 | NORTHING 5003630 | RC 4 | ELEVATION 0308 | RC 4 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
BROWN	FILL		SOFT	0	4
GREY	CLAY	STONES	SOFT	4	12
GREY	LIMESTONE		HARD	12	65

31 | 0009 | 0012 | 0065

32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0065	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ ~~OPEN HOLE~~	2.44	0	~~21~~ 0021
5"			21	65
05	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0065
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☐ PUMP 2 ☒ BAILER	0018 GPM.	01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
007 FEET	010 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	010' FEET	010' FEET	010' FEET	010' FEET

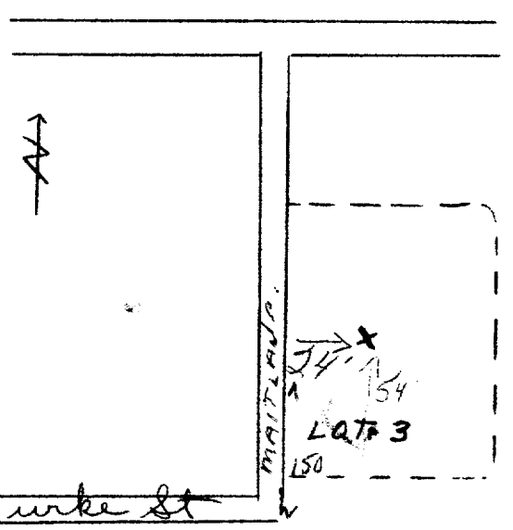
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM.	FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	030 FEET	~~0~~ 0005 GPM.

50-53 0006.0 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54)
1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE (55-56) 01
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING ☐ OTHER 9 ☐ NOT USED

METHOD OF DRILLING (57)
1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
CAPITAL WATE SUPPLY	1558
ADDRESS	
14 ASHFORD	
NAME OF DRILLER OR BORER	LICENCE NUMBER
J. MOORE	
SIGNATURE OF CONTRACTOR	SUBMISSION DATE
Walter Kawana	DAY 6 MO. 4 YR. 71

OFFICE USE ONLY

DATA SOURCE (58)	CONTRACTOR (59-62)	DATE RECEIVED (63-68)
1	1558	100971
DATE OF INSPECTION	INSPECTOR	
REMARKS:		P
		WI

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The Ontario Water Resources Commission Act

WATER WELL RECORD

Water management in Ontario

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2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1511399 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT: CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond
CON., BLOCK, TRACT, SURVEY, ETC.:
LOT: 25-27
OWNER (SURNAME FIRST): STAR QUALITY HOMES
ADDRESS: STITTSVILLE
DATE COMPLETED: DAY 06 MO 08 YR. 71

21 | UTM ZONE 18 | EASTING 434358 | NORTHING 5036845 | RC. 4 | ELEVATION 0306 | RC. 4 | BASIN CODE 25

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH – FEET FROM	DEPTH – FEET TO
Brown	Clay	Silt	Packed	0'	6'
Grey	Gravel	Stones	Packed	6'	9'
Grey	Lime Stone		Hard	9'	66'

31 | aaaa6astaa | aaa92 1/2 | aaa62 1/5 |
32

41 WATER RECORD

WATER FOUND AT – FEET	KIND OF WATER
0065	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH – FEET FROM	DEPTH – FEET TO
05	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ ~~OPEN HOLE~~	2.44	0	~~6~~ 9 ~~6~~ 0021
8			21	~~66~~
05	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0066
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT – FEET FROM	DEPTH SET AT – FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

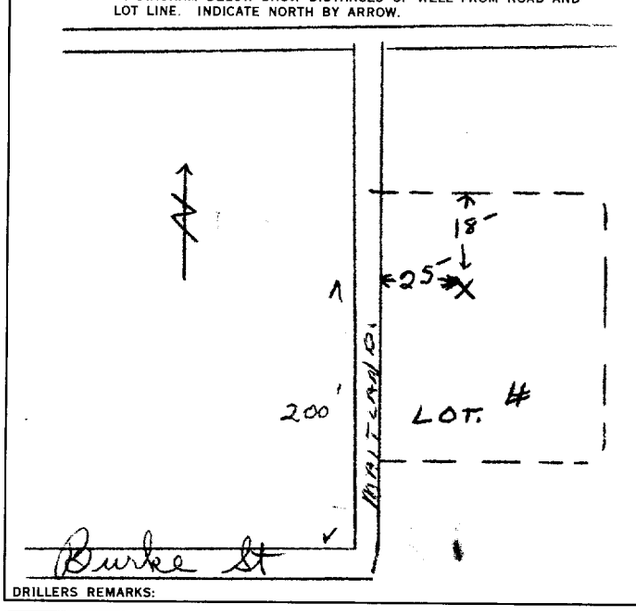
PUMPING TEST METHOD: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE: 0018 GPM.
DURATION OF PUMPING: 01 HOURS 00 MINS.

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
004 FEET	006 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	006 FEET	006 FEET	006 FEET	006 FEET

IF FLOWING, GIVE RATE: GPM.
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 030 FEET
RECOMMENDED PUMPING RATE: 0005 GPM.
0090 GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL: 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; ☐ OTHER; 9 ☐ NOT USED

METHOD OF DRILLING: 1 ☒ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☐ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: CAPITAL WATER SUPPLY | LICENCE NUMBER: 1558
ADDRESS: 14 ASHFORD
NAME OF DRILLER OR BORER: Jean Maurice | LICENCE NUMBER:
SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: 6 MO. 8 YR. 71

OWRC COPY

OFFICE USE ONLY

DATA SOURCE: 1 | CONTRACTOR: 1558 | DATE RECEIVED: 100971
DATE OF INSPECTION | INSPECTOR
REMARKS:
P
WI

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1513381 | MUNICIP. 1520 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Richmond		

[redacted] 79 FORTUNE
125, Manotick Ontario.

DATE COMPLETED: DAY 25 MO. 05 YR. 73

RC.	ELEVATION	RC.	BASIN CODE	II	III	IV
03557	4	306	4	26		

MAR 17, 1975 248

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
brown	sand		loose	0	2
dark	clay		packed	2	12
dark	limestone		medium	12	48

31 | 0001628 | 0012 05 | 0048 15

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0035	1 ☒ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
0044	1 ☒ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
0048	1 ☒ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR / 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL / 2 ☐ GALVANIZED / 3 ☐ CONCRETE / 4 ☒ OPEN HOLE	188	0	0022
5 - 14			22	48
06	4 ☒ OPEN HOLE		22	0048

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE | DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM	DURATION OF PUMPING HOURS	MINS
1 ☒ PUMP 2 ☐ BAILER	0008	04	00

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
015 FEET	035 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	035 FEET	035 FEET	035 FEET	035 FEET

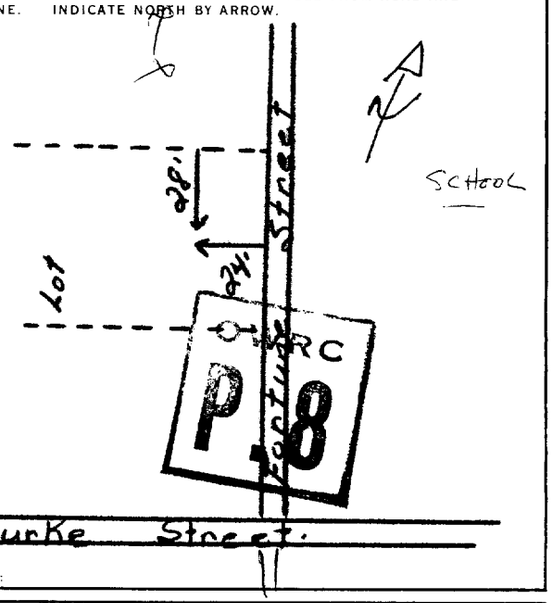
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	040 FEET	0005 GPM

000.4

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 01

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd. | LICENCE NUMBER: 1558

ADDRESS: Box 490, Stittsville, Ontario.

NAME OF DRILLER OR BORER: Lenny Dryman | LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: Walter Kavanagh | SUBMISSION DATE: DAY 28 MO. 5 YR. 73

OFFICE USE ONLY

DATA SOURCE 1 | CONTRACTOR 1558 | DATE RECEIVED 130873

DATE OF INSPECTION | INSPECTOR K

REMARKS: P-R

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FORM 7 07-091

MINISTRY OF THE ENVIRONMENT

The Ontario Water Resources Act

WATER WELL RECORD

Ontario

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1514059

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Carleton	Rideau	Conc. #1	3

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
Moore. T.	1343 Meadowlands Dr. #605	DAY 13 MO. 5 YR. 75

21 — ZONE — EASTING — NORTHING — LOCATION (Ottawa) — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Grey	Clay		Dense	0	10
Brown	Sand		Med.	10	54
"	Sand + Gravel		Med.	54	64
Blackish	Shale + limestone		Med.	64	125

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
78	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
120	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
5 7/8	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	64
5 7/8	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		64	125
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	8 GPM.	1 HOURS — MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
32 FEET	75 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	70 FEET	75 FEET	75 FEET	75 FEET

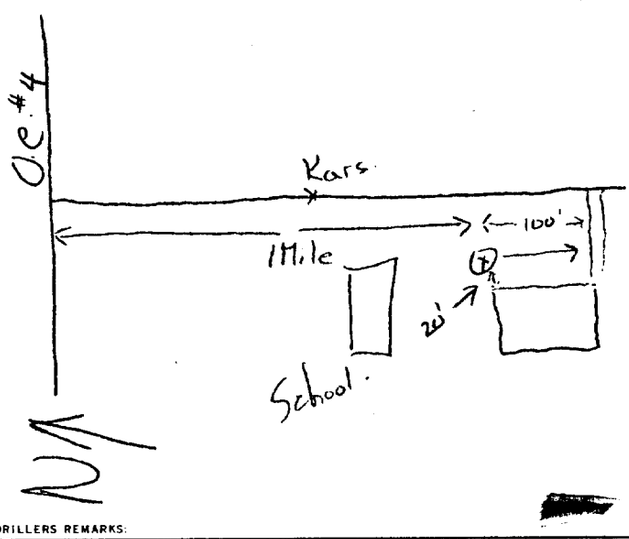
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
— GPM	100. FEET	1 ☐ CLEAR 2 ☒ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	100. FEET	4.5 GPM

— — — • — — GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
Hawthorne Drilling	2557

ADDRESS	
P.O. Box #218 Stat. E.	

NAME OF DRILLER OR BORER	LICENCE NUMBER
A. Emond.	2557.

SIGNATURE OF CONTRACTOR	SUBMISSION DATE
	DAY 14 MO. 5 YR. 75

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
		220575

DATE OF INSPECTION	INSPECTOR

REMARKS: P WI

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MINISTRY OF THE ENVIRONMENT
The Ontario Water Resources Act

WATER WELL RECORD

Ontario

31 G/4 E

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1514650 | MUNICIP. 15701 | CON.

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
CARLETON	RICHMOND VILLAGE	GOULBOURN CON 3	

OWNER (SURNAME FIRST)	ADDRESS	DATE COMPLETED
JULIA CONST. LTD	RICHMOND. ONT.	DAY 07 MO. 05 YR. 74

ZONE	EASTING	NORTHING	RC.	ELEVATION	RC.	BASIN CODE	II	III	IV
18	434384	5003774	4	310	4	26	AUG 04, 1977	303	

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
GREY	CLAY	SAND, STONES.		0'	15'
GREY	LIMESTONE		MED HARD.	15'	86'

31 | 0015205281 2 | 0086 | 1573

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0046	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
0084	1 ☒ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM. INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06 64	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0020
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		20	0084
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE GPM.	DURATION OF PUMPING HOURS	MINS.
1 ☐ PUMP 2 ☒ BAILER	0008	02	00

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
004' FEET	060 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	060 FEET	060 FEET	060 FEET	060 FEET

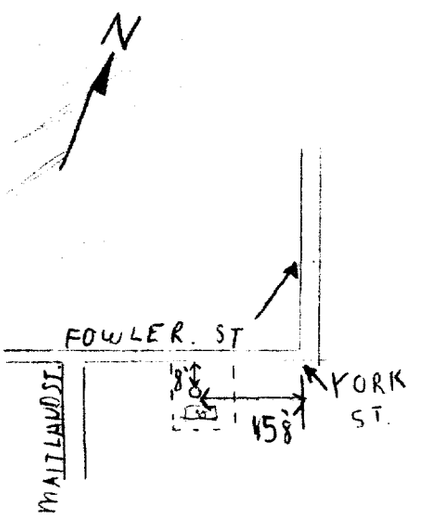
IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☐ DEEP	060 FEET	0005 GPM

GPM./FT. SPECIFIC CAPACITY

LOCATION OF WELL 3403

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL 54 | 1

1 ☒ WATER SUPPLY 5 ☐ ABANDONED, INSUFFICIENT SUPPLY
2 ☐ OBSERVATION WELL 6 ☐ ABANDONED, POOR QUALITY
3 ☐ TEST HOLE 7 ☐ UNFINISHED
4 ☐ RECHARGE WELL

WATER USE 55-56 | 01

1 ☒ DOMESTIC 5 ☐ COMMERCIAL
2 ☐ STOCK 6 ☐ MUNICIPAL
3 ☐ IRRIGATION 7 ☐ PUBLIC SUPPLY
4 ☐ INDUSTRIAL 8 ☐ COOLING OR AIR CONDITIONING
☐ OTHER 9 ☐ NOT USED

METHOD OF DRILLING 57 | 1

1 ☒ CABLE TOOL 6 ☐ BORING
2 ☐ ROTARY (CONVENTIONAL) 7 ☐ DIAMOND
3 ☐ ROTARY (REVERSE) 8 ☐ JETTING
4 ☐ ROTARY (AIR) 9 ☐ DRIVING
5 ☐ AIR PERCUSSION

CONTRACTOR

NAME OF WELL CONTRACTOR	LICENCE NUMBER
MAPLE LEAF DRILLING.	3658.

ADDRESS
409, 165. RICHMOND. RP.

NAME OF DRILLER OR BORER	LICENCE NUMBER
RICK. FRASER	

SIGNATURE OF CONTRACTOR	SUBMISSION DATE
Robert Bisson	DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE	CONTRACTOR	DATE RECEIVED
1	3658	07 05 75

DATE OF INSPECTION	INSPECTOR
15 Sept 74	P/R Doyle

REMARKS:

P

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Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31648

1. PRINT ONLY IN SPACES PROVIDED
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11 1517896

MUNICIP 15701 CON. CON 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC	LOT
Carleton	Goulbourn	Burke Street 023	Part ~~18~~ 023

[redacted] 6 Burke St., Richmond, Ont.

DATE COMPLETED DAY 12 MO 03 YR 82

UTMING 903599 RC 4 ELEVATION 0310 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
	Clay			0	8
	Limestone			8	52

31 0098 05 0952 15

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0025	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0052	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
06	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0017
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	0005 GPM	00 HOURS 30 MINS

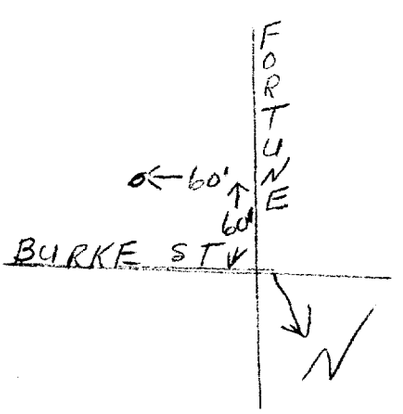
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
009 FEET	050 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	FEET	009 FEET	009 FEET	009 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	045 FEET	0005 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

FINAL STATUS OF WELL 54: 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 55-56: 01 — 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 57: 4 — 1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☒ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: McLean Water Supply Ltd., — LICENCE NUMBER: 3504

ADDRESS: 1532 Raven Ave., Ottawa, Ont.

NAME OF DRILLER OR BORER: A. Scharf — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: A. Scharf — SUBMISSION DATE: DAY 12 MO 3 YR 82

OFFICE USE ONLY

DATA SOURCE 58: 1 — CONTRACTOR 59-62: 3504 — DATE RECEIVED 63-68: 10 09 82

DATE OF INSPECTION — INSPECTOR

REMARKS

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FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31G4f

1. PRINT ONLY IN SPACES PROVIDED
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(11) 1518349 MUNICIP 15701 CON. CON PART 03

COUNTY OR DISTRICT: OTTAWA CARLETON
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: GOULBOURN
CON. BLOCK, TRACT, SURVEY, ETC: 3
LOT: 023 ~~17~~ 023
[redacted] P.O. BOX 768, RICHMOND
DATE COMPLETED: DAY 28 MO 07 YR 83
UTM: 03599 RC 4 ELEVATION 0310 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
BROWN	SAND	CLAY	PACKED	0'	8'
GRAY	LIMESTONE		SLABS	8'	16'
GRAY	LIMESTONE		HARD	16'	84'

(31) 00086 28057 9 0016215 00842 1573

(32)

(41) WATER RECORD

WATER FOUND AT → FEET	KIND OF WATER
0035	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
0082	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6¼ 06 6"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE	1.88	0' 22'	0022 84
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE			0084
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.) 31-33	DIAMETER 34-38 INCHES	LENGTH 39-40 FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN 41-44 FEET	80

(61) PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
10-13	14-17	
18-21	22-25	
26-29	30-33	80

(71) PUMPING TEST

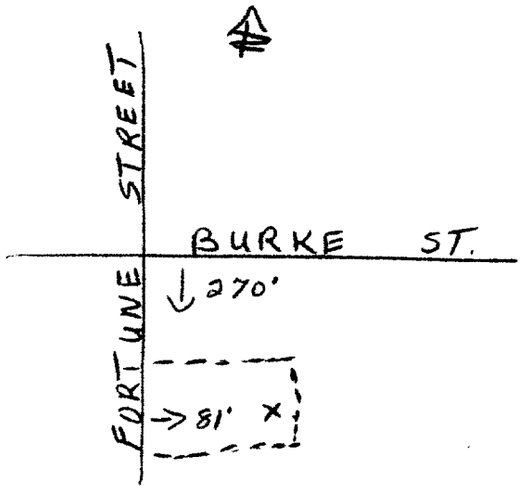
PUMPING TEST METHOD 10: 1 ☐ PUMP 2 ☒ BAILER
PUMPING RATE 11-14: 0010 GPM
DURATION OF PUMPING 15-16 HOURS 00 17-18 MINS

STATIC LEVEL 19-21	WATER LEVEL END OF PUMPING 22-24	WATER LEVELS DURING 25: 1 ☒ PUMPING 2 ☐ RECOVERY	15 MINUTES 26-28	30 MINUTES 29-31	45 MINUTES 32-34	60 MINUTES 35-37
022 FEET	047 FEET		047 FEET	047 FEET	047 FEET	047 FEET

IF FLOWING, GIVE RATE 38-41: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST 42: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☐ SHALLOW ☒ DEEP
RECOMMENDED PUMP SETTING 43-45: 060 FEET
RECOMMENDED PUMPING RATE 46-49: 0005 GPM
50-53

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW



DRILLERS REMARKS:

FINAL STATUS OF WELL 54: 1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED

WATER USE 55-56 01: 1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF DRILLING 57: 1 ☒ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☐ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: M. KAVANAGH & SON — LICENCE NUMBER: 3142
ADDRESS: RR 2 CARLETON PLACE
NAME OF DRILLER OR BORER: MIKE KAVANAGH — LICENCE NUMBER: 3142
SIGNATURE OF CONTRACTOR: Michael Kavanagh — SUBMISSION DATE: DAY 30 MO 7 YR 83

MINISTRY OF THE ENVIRONMENT COPY

OFFICE USE ONLY

DATA SOURCE 58: 1
CONTRACTOR 59-62: 3142
DATE RECEIVED 63-68: 04 08 83
DATE OF INSPECTION:
INSPECTOR:
REMARKS:

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31G4f

1. PRINT ONLY IN SPACES PROVIDED
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(11) 1518430 MUNICIP. 1,5,7,0,1 CON. CON 03

COUNTY OR DISTRICT: Carleton
TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE: Richmond
CON, BLOCK, TRACT, SURVEY, ETC.: Fortune St 023
LOT: 24 023
OWNER (SURNAME FIRST): D.C. Construction
ADDRESS: Richmond Ont. K0A 2Z0
DATE COMPLETED: DAY 14 MO 06 YR 83

(21) ZONE: 18 EASTING: 434499 NORTHING: 5003799 LOC. 4 ELEVATION: 0310 LOC. 4 BASIN CODE: 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH FEET FROM	DEPTH FEET TO
grey	clay			0	15
grey	limestone			15	60

(31) 0015205 0060215
(32)

(41) WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
055	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERAL

(51) CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH FEET FROM	DEPTH FEET TO
06 ~~07~~	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE	.188	0	0022
06	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE		22	60
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE:
DEPTH TO TOP OF SCREEN FEET:

(61) PLUGGING & SEALING RECORD

DEPTH SET AT FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)

(71) PUMPING TEST

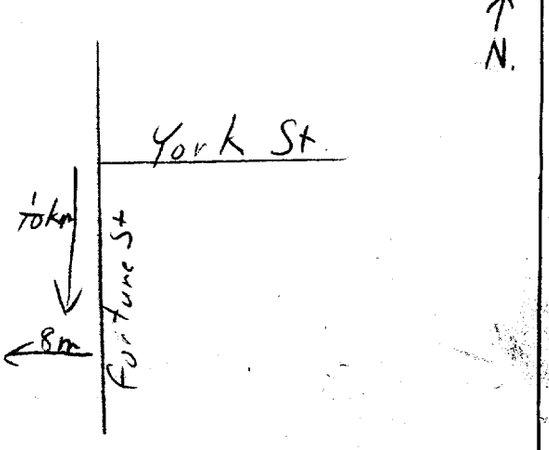
PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER
PUMPING RATE: 020 GPM
DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☒ PUMPING 2 ☐ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
008 FEET	025 FEET	025 FEET	025 FEET	025 FEET	025 FEET

IF FLOWING, GIVE RATE: GPM
PUMP INTAKE SET AT: FEET
WATER AT END OF TEST: 1 ☐ CLEAR 2 ☒ CLOUDY
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP
RECOMMENDED PUMP SETTING: 025 FEET
RECOMMENDED PUMPING RATE: 0010 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL (54): 1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE (55,56) 01: 1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING (57) 5: 1 ☐ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☒ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Henry Mains Well Drilling — LICENCE NUMBER: 3644
ADDRESS: Box 326 Richmond Ont.
NAME OF DRILLER OR BORER: Henry Mains — LICENCE NUMBER:
SIGNATURE OF CONTRACTOR:
SUBMISSION DATE: DAY 14 MO 6 YR 83

OFFICE USE ONLY

DATA SOURCE (58): 1
CONTRACTOR (59-62): 3644
DATE RECEIVED (63-68): 03 08 83
DATE OF INSPECTION:
INSPECTOR:
REMARKS:

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

31647

1519329

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11

MUNICIP 15791 CON. CON 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON., BLOCK, TRACT, SURVEY, ETC.	LOT
Ottawa-Carleton	Village of Richmond	Burke St.	128 023
[redacted]	ichmond, Ontario.		DATE COMPLETED DAY 25 MO 08 YR 84

UTM 003599 RC 4 ELEVATION 0310 RC 4 BASIN CODE 26

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
	Sandy clay			0	7
Grey	Limestone			7	53

31 0007 0581 0053215

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
0043	1 ☒ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL
	1 ☐ FRESH 3 ☐ SULPHUR; 2 ☐ SALTY 4 ☐ MINERAL

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6	1 ☒ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE	.188"	0	16
06"	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☒ OPEN HOLE		16	53
	1 ☐ STEEL; 2 ☐ GALVANIZED; 3 ☐ CONCRETE; 4 ☐ OPEN HOLE			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET

MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)

71 PUMPING TEST

PUMPING TEST METHOD: 1 ☒ PUMP 2 ☐ BAILER

PUMPING RATE: 0008 GPM

DURATION OF PUMPING: 01 HOURS 00 MINS

STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING: 1 ☐ PUMPING 2 ☒ RECOVERY			
		15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
010 FEET	045 FEET	010 FEET	010 FEET	010 FEET	010 FEET

IF FLOWING, GIVE RATE: GPM

PUMP INTAKE SET AT: 45 FEET

WATER AT END OF TEST: 1 ☒ CLEAR 2 ☐ CLOUDY

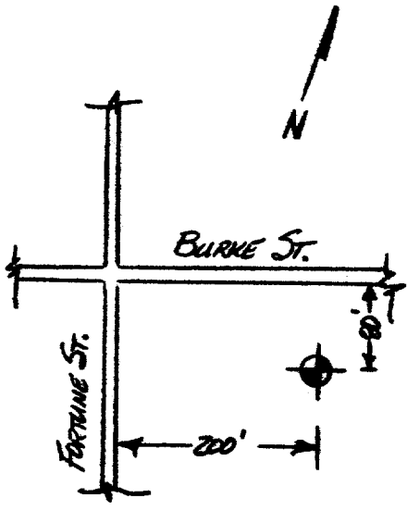
RECOMMENDED PUMP TYPE: ☒ SHALLOW ☐ DEEP

RECOMMENDED PUMP SETTING: 030 FEET

RECOMMENDED PUMP RATE: 0005 GPM

3983 LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS:

FINAL STATUS OF WELL 1
1 ☒ WATER SUPPLY; 2 ☐ OBSERVATION WELL; 3 ☐ TEST HOLE; 4 ☐ RECHARGE WELL; 5 ☐ ABANDONED, INSUFFICIENT SUPPLY; 6 ☐ ABANDONED, POOR QUALITY; 7 ☐ UNFINISHED

WATER USE 01
1 ☒ DOMESTIC; 2 ☐ STOCK; 3 ☐ IRRIGATION; 4 ☐ INDUSTRIAL; ☐ OTHER; 5 ☐ COMMERCIAL; 6 ☐ MUNICIPAL; 7 ☐ PUBLIC SUPPLY; 8 ☐ COOLING OR AIR CONDITIONING; 9 ☐ NOT USED

METHOD OF DRILLING 5
1 ☐ CABLE TOOL; 2 ☐ ROTARY (CONVENTIONAL); 3 ☐ ROTARY (REVERSE); 4 ☐ ROTARY (AIR); 5 ☒ AIR PERCUSSION; 6 ☐ BORING; 7 ☐ DIAMOND; 8 ☐ JETTING; 9 ☐ DRIVING

CONTRACTOR

NAME OF WELL CONTRACTOR: Stanton Drilling Inc. — LICENCE NUMBER: 4875

ADDRESS: Box 219, Pakenham, Ontario.

NAME OF DRILLER OR BORER: Peter Stanton — LICENCE NUMBER:

SIGNATURE OF CONTRACTOR: [signature] — SUBMISSION DATE: DAY 19 MO. 09 YR. 84

OFFICE USE ONLY

DATA SOURCE 1 — CONTRACTOR 4875 — DATE RECEIVED 01 10 84

DATE OF INSPECTION — INSPECTOR

REMARKS

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FORM NO. 0506—4—77 FORM 7

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 | 1524683 | MUNICIP 15003 | CON. CON 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT	DATE COMPLETED
[redacted]	Coolbourn	3	23	DAY 22 MO 6 YR 90
	York St Richmond.			

RING | RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Topsoil		Packed	0	1'
Brown	Clay		Packed	1'	14'
Brown	Sand	Gravel	Coarse	14'	15'
Grey & Black	Limestone		Med	15'	60'

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
37'	1 ☒ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
46'	1 ☐ FRESH 2 ☒ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4"	1 ☒ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0'	22'
6"	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☒ OPEN HOLE 5 ☐ PLASTIC		22'	50'
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER	LENGTH
	INCHES	FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN	FEET

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER, ETC.)
0	20	Cement grout

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
A, B 1 ☒ PUMP 2 ☐ BAILER	50 GPM	2 HOURS ____ MINS

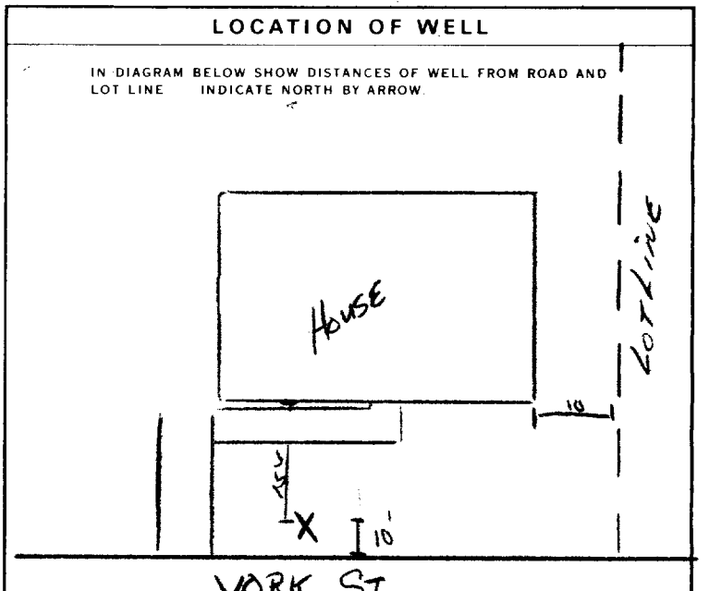
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING 1 ☐ PUMPING 2 ☐ RECOVERY	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
12 FEET	20 FEET		25 FEET	25 FEET	25 FEET	25 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	25 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☒ SHALLOW ☐ DEEP	25 FEET	8 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



84340

DRILLERS REMARKS

FINAL STATUS OF WELL (54)
1 ☐ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE (55-56)
1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION (57)
1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Valley Drilling Inc
WELL CONTRACTOR'S LICENCE NUMBER: 5222
ADDRESS: PO Box 437 Carp, Ont
NAME OF WELL TECHNICIAN: Bill Bisson
WELL TECHNICIAN'S LICENCE NUMBER: T-0190
SIGNATURE OF TECHNICIAN/CONTRACTOR:
SUBMISSION DATE: DAY ____ MO. ____ YR. ____

OFFICE USE ONLY

DATA SOURCE (58) | CONTRACTOR (59-62): 5222 | DATE RECEIVED (63-68): AUG 15 1990 | (80)
DATE OF INSPECTION | INSPECTOR
REMARKS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

1. PRINT ONLY IN SPACES PROVIDED
2. CHECK ☒ CORRECT BOX WHERE APPLICABLE

11 — 1525377 — MUNICIP 15,903 — CON. CON 03

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC	LOT
Ottawa Carleton	Goulbourn	3	23

[redacted]

DATE COMPLETED: DAY 23 MO 01 YR 91

RC — ELEVATION — RC — BASIN CODE

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Clay		Packed	0	13
Gray	Clay			13	22
Gray	Limestone		Medium	22	125

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
120	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	24
6 1	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC		24	125
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	TO	MATERIAL AND TYPE (CEMENT GROUT, LEAD PACKER, ETC.)
Grouted		Cement (3)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	10 GPM	1 HOURS ___ MINS

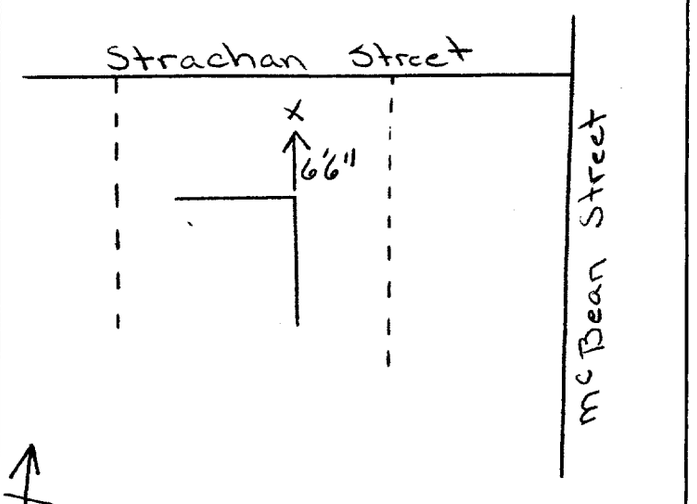
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
6 FEET	20 FEET	1 ☒ PUMPING 2 ☐ RECOVERY	20 FEET	20 FEET	20 FEET	20 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	20 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	30 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



DRILLERS REMARKS

100002

FINAL STATUS OF WELL

1 ☒ WATER SUPPLY 2 ☐ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING

WATER USE

1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED

METHOD OF CONSTRUCTION

1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply Ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1558
ADDRESS: Box 490 Stittsville, Ontario K2S 1A6
NAME OF WELL TECHNICIAN: S. Miller
WELL TECHNICIAN'S LICENCE NUMBER: T0097
SIGNATURE OF TECHNICIAN/CONTRACTOR: [signature]
SUBMISSION DATE: DAY 24 MO 01 YR 91

OFFICE USE ONLY

DATA SOURCE — CONTRACTOR 1558 — DATE RECEIVED MAY 29 1991
DATE OF INSPECTION — INSPECTOR
REMARKS

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FORM NO. 0506 (11/86) FORM 9

Ministry of the Environment
Ontario

The Ontario Water Resources Act

WATER WELL RECORD

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11 — 1526716 — MUNICIP 15003 — CON. CON 6,3

COUNTY OR DISTRICT	TOWNSHIP, BOROUGH, CITY, TOWN, VILLAGE	CON. BLOCK, TRACT, SURVEY, ETC.	LOT
[redacted]	Goulbourn	3	23

DATE COMPLETED: DAY 16 MO 11 YR 92

[redacted] McBean Street Richmond, Ontario K0A 2Z0

NG | RC | ELEVATION | RC | BASIN CODE | II | III | IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (SEE INSTRUCTIONS)

GENERAL COLOUR	MOST COMMON MATERIAL	OTHER MATERIALS	GENERAL DESCRIPTION	DEPTH - FEET FROM	DEPTH - FEET TO
Brown	Sandy Clay	Stones		0	6
Brown	Clay			6	12
Gray	Clay	Stones		12	29
Gray	Limestone			29	50

31

32

41 WATER RECORD

WATER FOUND AT - FEET	KIND OF WATER
365	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS — NOT TESTED
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS
	1 ☐ FRESH 2 ☐ SALTY 3 ☐ SULPHUR 4 ☐ MINERALS 6 ☐ GAS

51 CASING & OPEN HOLE RECORD

INSIDE DIAM INCHES	MATERIAL	WALL THICKNESS INCHES	DEPTH - FEET FROM	DEPTH - FEET TO
6 1/4	1 ☐ STEEL 2 ☒ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC	.188	0	31
6 1/16	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☒ PLASTIC		31	50
	1 ☐ STEEL 2 ☐ GALVANIZED 3 ☐ CONCRETE 4 ☐ OPEN HOLE 5 ☐ PLASTIC			

SCREEN

SIZE(S) OF OPENING (SLOT NO.)	DIAMETER INCHES	LENGTH FEET
MATERIAL AND TYPE	DEPTH TO TOP OF SCREEN FEET	

61 PLUGGING & SEALING RECORD

DEPTH SET AT - FEET FROM	DEPTH SET AT - FEET TO	MATERIAL AND TYPE (CEMENT GROUT LEAD PACKER ETC.)
31	0	Grouted Cement (5)

71 PUMPING TEST

PUMPING TEST METHOD	PUMPING RATE	DURATION OF PUMPING
1 ☒ PUMP 2 ☐ BAILER	20 GPM	1 HOURS ___ MINS

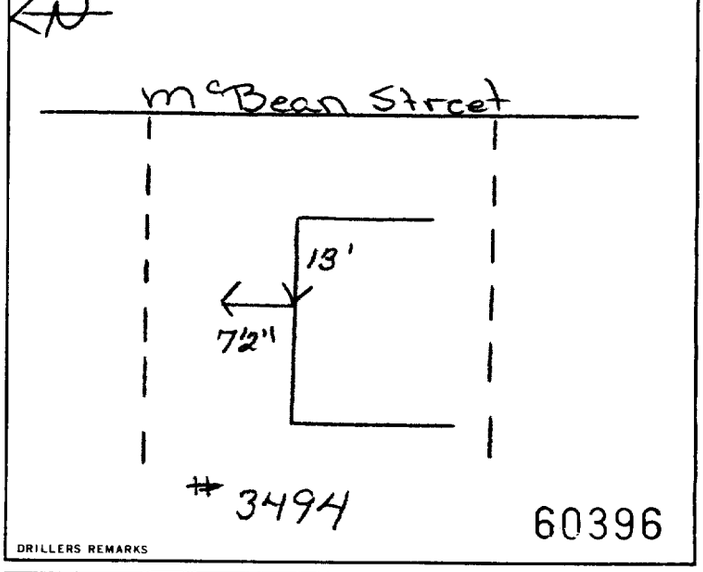
STATIC LEVEL	WATER LEVEL END OF PUMPING	WATER LEVELS DURING	15 MINUTES	30 MINUTES	45 MINUTES	60 MINUTES
6 FEET	8 FEET	1 ☐ PUMPING 2 ☒ RECOVERY	8 FEET	8 FEET	8 FEET	8 FEET

IF FLOWING, GIVE RATE	PUMP INTAKE SET AT	WATER AT END OF TEST
GPM	20 FEET	1 ☒ CLEAR 2 ☐ CLOUDY

RECOMMENDED PUMP TYPE	RECOMMENDED PUMP SETTING	RECOMMENDED PUMPING RATE
☐ SHALLOW ☒ DEEP	25 FEET	5 GPM

LOCATION OF WELL

IN DIAGRAM BELOW SHOW DISTANCES OF WELL FROM ROAD AND LOT LINE. INDICATE NORTH BY ARROW.



60396

DRILLERS REMARKS

FINAL STATUS OF WELL	1 ☐ WATER SUPPLY 2 ☒ OBSERVATION WELL 3 ☐ TEST HOLE 4 ☐ RECHARGE WELL 5 ☐ ABANDONED, INSUFFICIENT SUPPLY 6 ☐ ABANDONED, POOR QUALITY 7 ☐ UNFINISHED ☐ DEWATERING
WATER USE	1 ☒ DOMESTIC 2 ☐ STOCK 3 ☐ IRRIGATION 4 ☐ INDUSTRIAL ☐ OTHER 5 ☐ COMMERCIAL 6 ☐ MUNICIPAL 7 ☐ PUBLIC SUPPLY 8 ☐ COOLING OR AIR CONDITIONING 9 ☐ NOT USED
METHOD OF CONSTRUCTION	1 ☐ CABLE TOOL 2 ☐ ROTARY (CONVENTIONAL) 3 ☐ ROTARY (REVERSE) 4 ☐ ROTARY (AIR) 5 ☒ AIR PERCUSSION 6 ☐ BORING 7 ☐ DIAMOND 8 ☐ JETTING 9 ☐ DRIVING ☐ DIGGING ☐ OTHER

CONTRACTOR

NAME OF WELL CONTRACTOR: Capital Water Supply ltd.
WELL CONTRACTOR'S LICENCE NUMBER: 1558

ADDRESS OF WELL CONTRACTOR: Box 490 Stittsville, Ontario K2S 1A6

NAME OF WELL TECHNICIAN: S. Miller
WELL TECHNICIAN'S LICENCE NUMBER: T0097

SIGNATURE OF TECHNICIAN/CONTRACTOR

SUBMISSION DATE: DAY 17 MO 11 YR 92

OFFICE USE ONLY

DATA SOURCE | CONTRACTOR 1558 | DATE RECEIVED DEC 08 1992

DATE OF INSPECTION | INSPECTOR

REMARKS

MINISTRY OF THE ENVIRONMENT COPY

FORM NO. 0506 (11/86) FORM 9

Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1 2) **1531697**

Municipality (10-14) 15003 Con. (15-22) CON 03

County or District	Township/Borough/City/Town/Village	Con	block	tract	survey, etc.	Lot (25-27)
[redacted]	Goulbourn		3			24
	Address: Richmond, Ont	Date completed (48-53): 29 day 11 month 00 year				

21 (1 2) UTM (10) Northing (12-17) (18-24) RC (25) Elevation (26-30) RC (31) Basin Code (ii) (iii) (iv) (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Grey	limestone	Deepened.		140	220

31 (10 14 15 21 32 43 54 65 75 80)

32

41 WATER RECORD

Water found at - feet	Kind of water
204 (10-13)	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (14)
196 (15-18)	1 ☒ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (19)
(20-23)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (24)
(25-28)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (29)
(30-33)	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
(10-11)	1 ☒ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			(13-16)
(17-18)	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic			(20-23)
(24-25)	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic			(27-30)

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet
Material and type	Depth at top of screen (41-44) feet	(30)

61 PLUGGING & SEALING RECORD

☐ Annular space ☐ Abandonment

Depth set at - feet From	To	Material and type (Cement grout, bentonite, etc.)
(10-13)	(14-17)	
(18-21)	(22-25)	
(26-29)	(30-33) (80)	

71 PUMPING TEST

Pumping test method (10): 1 ☒ Pump 2 ☐ Bailer

Pumping rate (11-14): 20 GPM

Duration of pumping (15-16 Hours, 17-18 Mins): 1 Hours

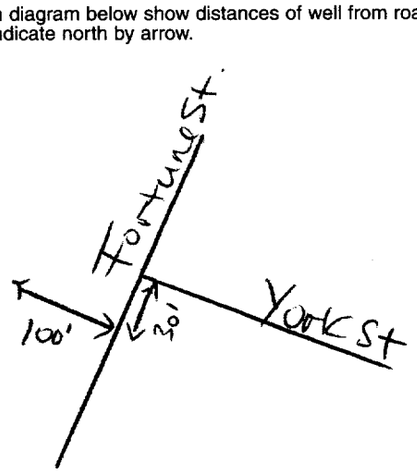
Static level (19-21)	Water level end of pumping (22-24)	Water levels during (25): 1 ☐ Pumping 2 ☒ Recovery			
		15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
10 feet	80 feet	10 feet	10 feet	10 feet	10 feet

If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	feet	☐ Clear ☒ Cloudy
Recommended pump type	**Recommended pump setting (43-45)**	**Recommended pump rate (46-49)**
☐ Shallow ☒ Deep	80 feet	20 GPM

(50-53)

LOCATION OF WELL

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



222927

FINAL STATUS OF WELL (54)

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well
5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering
9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial
5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning
9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION (57)

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air)
5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting
9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Air-Rock Drilling Co Ltd	1119
Address: RR# 2 Jasper Ont	
Name of Well Technician: Kenny Desaulniers	Well Technician's Licence No.: T4
Signature of Technician/Contractor	Submission date: 07 day 12 mo 00 yr

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	1119	JAN 05 2001
Date of inspection	Inspector	
Remarks		CSS.ES1

0506 (11/98) Front Form 9

2 - MINISTRY OF THE ENVIRONMENT COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 — 1531857 — Municipality 15003 — Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Ottawa Carleton	Goulbourn	3	

Owner's surname	First Name	Address	Date completed
O.C.C. School Board	St.Philips School	1695 Road, Nepean ON. K2G 3R4 Richmond Ontario.	03 day 04 month 01 year

21 — UTM: Zone — Easting — Northing — Elevation — Basin Code (i ii iii iv)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
brown	clay	stone		0	15
grey	limestone		hard	15	75

31 — 32

41 WATER RECORD

Water found at - feet	Kind of water
67	NOT TESTED (1 Fresh 2 Salty 3 Sulphur 4 Minerals 5 Gas 6)
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 ☒ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	21
6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		21	75
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type — Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
21	0	Grouted-Cement (3)

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer — Pumping rate: 30 GPM — Duration of pumping: 1 Hours ... Mins

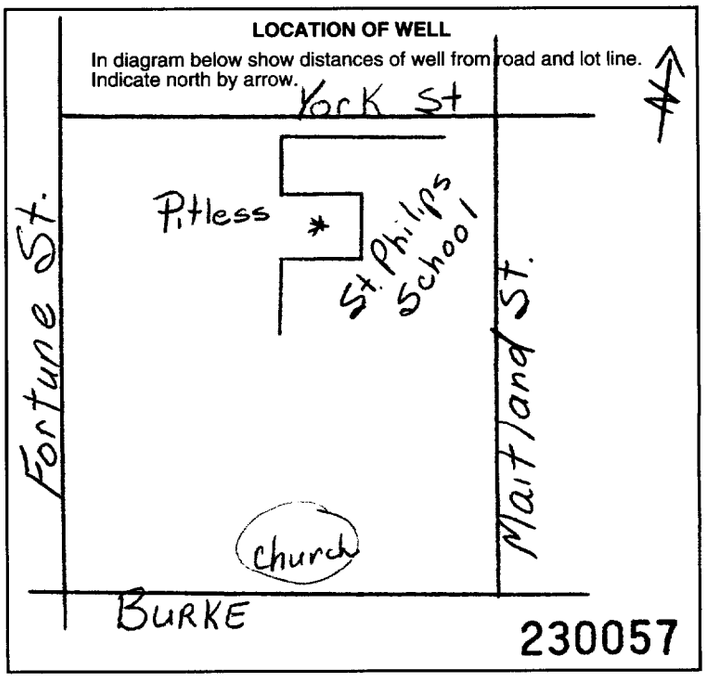
Static level	Water level end of pumping	Water levels during: 1 ☒ Pumping 2 ☐ Recovery	15 minutes	30 minutes	45 minutes	60 minutes
9'9" feet	30 feet		73 feet	73 feet	50 feet	30 feet

If flowing give rate: GPM — Pump intake set at: feet — Water at end of test: ☐ Clear ☒ Cloudy

Recommended pump type: ☐ Shallow ☒ Deep — Recommended pump setting: 50 feet — Recommended pump rate: 5 GPM

LOCATION OF WELL

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



230057

FINAL STATUS OF WELL

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☒ Rotary (air) 5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558
Address: Box 490, Stittsville, ON. K2S 1A6	
Name of Well Technician: S. Miller	Well Technician's Licence No.: T0097
Signature of Technician/Contractor	Submission date: day 09 mo 04 yr 01

MINISTRY USE ONLY

Data source	Contractor	Date received
	1558	MAY 25 2001
Date of inspection	Inspector	
Remarks: CSS.ES1		

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Ontario **Ministry of the Environment**

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1 2) **1531858** Municipality 15003 (10 14) Con. CON (15 22 23 24) 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
Ottawa Carleton	Goulbourn	3	

Owner's surname (28-47)	First Name	Address	Date completed (48-53)
St.Philips School	O/C/C/S/B/	1695 Merivale Rd., Nepean ON. K2G 3R4	05 day 04 month 01 year

21 (1 2) UTM Zone (10) Easting (12 17) Northing (18 24) RC (25) Elevation (26) RC (30) Basin Code (31) ii iii iv (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
	WELL ABANDONMENT.				77

31 (10 14 15 21 32 43 54 65 75 80)

32 (10 14 15 21 32 43 54 65 75 80)

41 WATER RECORD

Water found at - feet	Kind of water
10-13	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (14)
15-18	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (19)
20-23	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (24)
25-28	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (29)
30-33	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas (34) (60)

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
10-11	1 ☐ Steel (12) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			13-16
17-18	1 ☐ Steel (19) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			20-23
24-25	1 ☐ Steel (26) 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			27-30

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter (34-38) inches	Length (39-40) feet
Material and type	Depth at top of screen (41-44) feet	(30)

61 PLUGGING & SEALING RECORD

☐ Annular space ☒ Abandonment

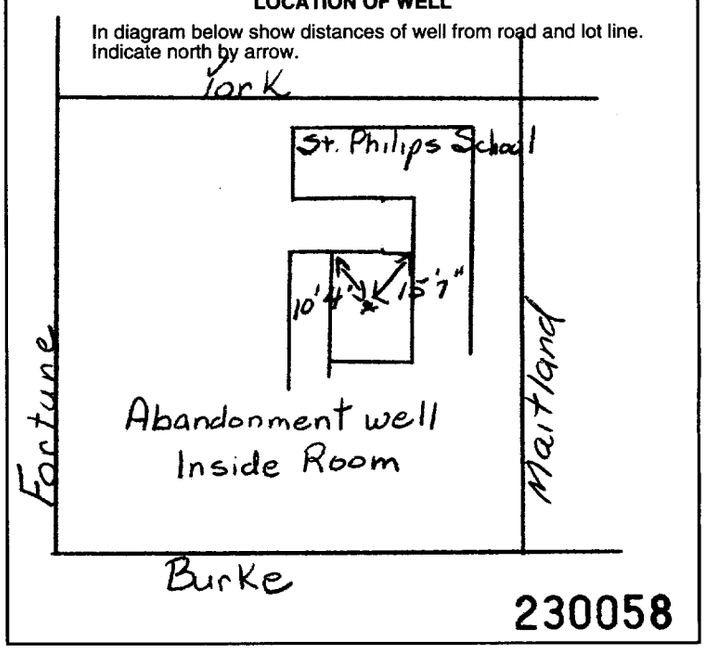
Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
0 (10-13)	77 (15-17)	3/8" holeplug (40)
18-21	22-25	
26-29	30-33 (80)	

71 PUMPING TEST

Pumping test method (10) 1 ☐ Pump 2 ☐ Bailer	Pumping rate (11-14) GPM	Duration of pumping (15-16) Hours (17-18) Mins
Static level (19-21) feet	Water level end of pumping (22-24) feet	(25) Water levels during 1 ☐ Pumping 2 ☐ Recovery
15 minutes (26-28) feet	30 minutes (29-31) feet	45 minutes (32-34) feet / 60 minutes (35-37) feet
If flowing give rate (38-41) GPM	Pump intake set at feet	Water at end of test (42) ☐ Clear ☐ Cloudy
Recommended pump type ☐ Shallow ☐ Deep	Recommended pump setting (43-45) feet	Recommended pump rate (46-49) GPM
(50-53)		

LOCATION OF WELL

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



230058

FINAL STATUS OF WELL (54)

1 ☐ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

1 ☐ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other

METHOD OF CONSTRUCTION (57)

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558
Address: Box 490, Stittsville, ON. K2S 1A6	
Name of Well Technician: S. Miller	Well Technician's Licence No.: T0097
Signature of Technician/Contractor	Submission date: day 09 mo 04 yr 01

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	1558	MAY 25 2001
Date of inspection	Inspector	
Remarks	CSS.ES1	

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (07/00) Front Form 9

Ontario — Ministry of the Environment

Measurements recorded in: ☑ Metric ☐ Imperial

Well Tag No. (Place Sticker and/or Print Below) **A106750** A106750

Well Record

Regulation 903 Ontario Water Resources Act

8896 Page 1 of 1

[redacted]

Address of Well Location (Street Number/Name): 55 Fortune st.

Township:

Lot:

Concession:

County/District/Municipality:

City/Town/Village: Richmond

Province: Ontario

Postal Code:

UTM Coordinates: NAD 83 Zone 18 Easting 434059 Northing 5039180

Municipal Plan and Sublot Number:

Other:

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
Brn	Sand		Soft, dry	0	1.5
Gry	Clay	Silt	Hard, wet	1.5	2.44
Gry	Silt		Hard, wet	2.44	3.1

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m³/ft³)
0	1.35	Benseal	
1.35	3.1	Sand	

Method of Construction

☐ Cable Tool ☐ Diamond ☐ Rotary (Conventional) ☐ Jetting ☐ Rotary (Reverse) ☐ Driving ☐ Boring ☐ Digging ☐ Air percussion ☑ Other, specify: Direct Push

Well Use

☐ Public ☐ Commercial ☐ Not used ☐ Domestic ☐ Municipal ☐ Dewatering ☑ Test Hole ☑ Monitoring ☐ Livestock ☐ Irrigation ☐ Cooling & Air Conditioning ☐ Industrial ☐ Other, specify

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
3.45	PVC	.356	0	1.5

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
4.21	PVC	10	1.5	3.1

Status of Well

☐ Water Supply ☐ Replacement Well ☑ Test Hole ☐ Recharge Well ☐ Dewatering Well ☑ Observation and/or Monitoring Hole ☐ Alteration (Construction) ☐ Abandoned, Insufficient Supply ☐ Abandoned, Poor Water Quality ☐ Abandoned, other, specify ☐ Other, specify

Water Details

Water found at Depth (m/ft)	Gas	Kind of Water: Fresh	Untested	Other, specify

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
0	3.1	5.71

Well Contractor and Well Technician Information

Business Name of Well Contractor: Strata Soil Sampling

Well Contractor's Licence No.: 7241

Business Address (Street Number/Name): 147-2 West Beaver Creek Rd

Municipality: Richmond Hill

Province: Ontario

Postal Code: L4B1C6

Business E-mail Address: wrecords@stratasoil.com

Bus. Telephone No. (inc. area code): 9057649304

Name of Well Technician (Last Name, First Name): Beatty Brian

Well Technician's Licence No.: 3616

Signature of Technician and/or Contractor:

Date Submitted: 2011 08 07

Results of Well Yield Testing

After test of well yield, water was: ☐ Clear and sand free ☐ Other, specify

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping: ____ hrs + ____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

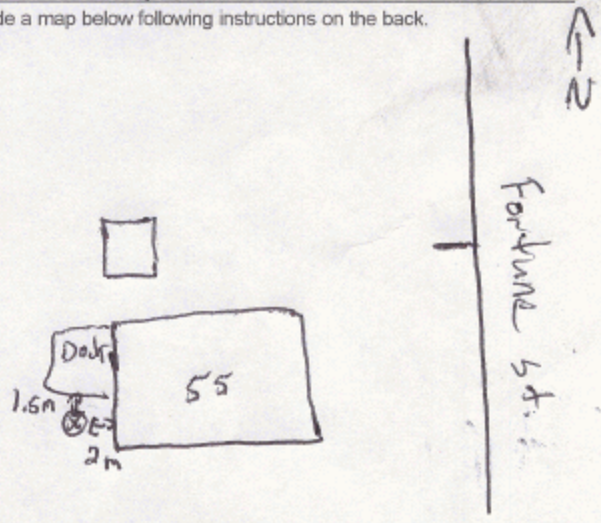
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level			
1		1	
2		2	
3		3	
4		4	
5		5	
10		10	
15		15	
20		20	
25		25	
30		30	
40		40	
50		50	
60		60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments:

Well owner's information package delivered: ☐ Yes ☐ No

Date Package Delivered: Y Y Y Y M M D D

Date Work Completed: 2011 08 04

Ministry Use Only

Audit No. z129541

AUG 23 2011 Received

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Ministry's Copy

Ontario

Ministry of the Environment, Conservation and Parks

Measurements recorded in: ☐ Metric ☑ Imperial

Well Tag No. *(Place Sticker and/or Print Below)*

Tag#:A277252

Well Record

Regulation 903 Ontario Water Resources Act

Page 1 of 3

[redacted]

Address of Well Location (Street Number/Name)	Township	Lot	Concession
3660 McBean	Ottawa		
County/District/Municipality	**City/Town/Village**	**Province**	**Postal Code**
Ottawa	Richmond	Ontario	K0A2Z0
UTM Coordinates Zone	Easting	Northing	Municipal Plan and Sublot Number	Other
NAD 8 3 1	9045347	5003995		

Overburden and Bedrock Materials/Abandonment Sealing Record *(see instructions on the back of this form)*

General Colour	Most Common Material	Other Materials	General Description	Depth (m/ft) From	Depth (m/ft) To
	Raised Casing in accordance with regulation 903 * well was Sanatized *				

Annular Space

Depth Set at (m/ft) From	To	Type of Sealant Used (Material and Type)	Volume Placed (m^3/ft^3)
		N/A	

Method of Construction

☐ Cable Tool ☐ Diamond
☐ Rotary (Conventional) ☐ Jetting
☐ Rotary (Reverse) ☑ Driving
☐ Boring ☐ Digging
☐ Air percussion
☐ Other, *specify* _____

N/A

Well Use

☐ Public ☐ Commercial ☐ Not used
☐ Domestic ☐ Municipal ☐ Dewatering
☐ Livestock ☐ Test Hole ☐ Monitoring
☐ Irrigation ☐ Cooling & Air Conditioning
☐ Industrial
☐ Other, *specify* _____

N/A

Construction Record - Casing

Inside Diameter (cm/in)	Open Hole OR Material (Galvanized, Fibreglass, Concrete, Plastic, Steel)	Wall Thickness (cm/in)	Depth (m/ft) From	Depth (m/ft) To
	N/A			

Status of Well

☑ Water Supply
☐ Replacement Well
☐ Test Hole
☐ Recharge Well
☐ Dewatering Well
☐ Observation and/or Monitoring Hole
☐ Alteration (Construction)
☐ Abandoned, Insufficient Supply
☐ Abandoned, Poor Water Quality
☐ Abandoned, other, *specify*
☐ Other, *specify*

Construction Record - Screen

Outside Diameter (cm/in)	Material (Plastic, Galvanized, Steel)	Slot No.	Depth (m/ft) From	Depth (m/ft) To
	N/A			

Water Details

Water found at Depth (m/ft) ☐ Gas	Kind of Water: ☐ Fresh ☑ Untested ☐ Other, *specify*
Water found at Depth (m/ft) ☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*
Water found at Depth (m/ft) ☐ Gas	Kind of Water: ☐ Fresh ☐ Untested ☐ Other, *specify*

Hole Diameter

Depth (m/ft) From	To	Diameter (cm/in)
[redacted]		5"

Results of Well Yield Testing

After test of well yield, water was:
☐ Clear and sand free
☐ Other, *specify* _____

If pumping discontinued, give reason:

Pump intake set at (m/ft)

Pumping rate (l/min / GPM)

Duration of pumping _____ hrs + _____ min

Final water level end of pumping (m/ft)

If flowing give rate (l/min / GPM)

Recommended pump depth (m/ft)

Recommended pump rate (l/min / GPM)

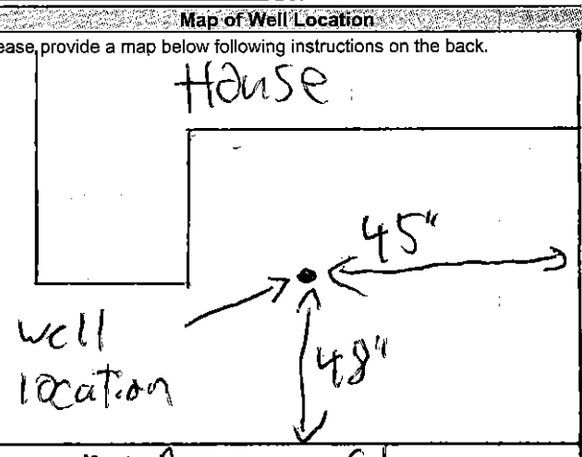
Well production (l/min / GPM)

Disinfected? ☐ Yes ☐ No

	Draw Down Time (min)	Draw Down Water Level (m/ft)	Recovery Time (min)	Recovery Water Level (m/ft)
Static Level				
1			1	
2			2	
3			3	
4			4	
5			5	
10			10	
15			15	
20			20	
25			25	
30			30	
40			40	
50			50	
60			60	

Map of Well Location

Please provide a map below following instructions on the back.



Comments: 5" Foot well

Well Contractor and Well Technician Information

Business Name of Well Contractor	Well Contractor's Licence No.
C&N electric & Plumbing	6364
Business Address (Street Number/Name)	**Municipality**
5640 Manotick Main St	
Province	**Postal Code**	**Business E-mail Address**
ONT	K4M1B3	Plumbing@cn-electric.ca
Bus. Telephone No. *(inc. area code)*	**Name of Well Technician (Last Name, First Name)**
6136923284	Sadler Johnston
Well Technician's Licence No.	**Signature of Technician and/or Contractor**	**Date Submitted**
3689		20200520

Well owner's information package delivered	Date Package Delivered	Date Work Completed
☑ Yes ☐ No	20200520	20200520

Ministry Use Only

Audit No. Z319356

Received JUL 29 2020

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Ministry of Environment and Energy
Ontario

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 (1 2) **1529716**

Municipality (10 14) 15003 Con. (15 22 23 24) CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot (25-27)
Ottawa Carleton	Goulbourn	3	23

Owner's surname (28-47)	First name	Address	Date completed (48-53)
Cedarstone Homes Ltd.		Box 1297 Richmond,Ontario K0A 2Z0	6 day 10 month 97 year

21 (1 2) Zone (10) Easting (12 17) Northing (18 24) RC (25) Elevation (26 30) RC Basin Code (31) ii iii iv (47)

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth – feet From	Depth – feet To
Brown	Clay	Stones	Packed	0	16
Gray	Limestone		Medium Hard	16	148

31 (10 14 15 21 32 43 54 65 75 80)

32

41 WATER RECORD

Water found at – feet	Kind of water
140	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
NOT TESTED	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth – feet From	Depth – feet To
6 1/4	1 ☐ Steel 2 ☒ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	22.5
5 15/16	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		22.5	148
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.) (31-33)	Diameter inches (34-38)	Length feet (39-40)
☒		

Material and type | Depth at top of screen feet (41-44) (30)

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at – feet From (10-13)	Depth set at – feet To (14-17) (18-21)	Material and type (Cement grout, bentonite, etc.) (22-25)
21	0	Grouted High Eatly (3)
(26-29)	(30-33) (80)	

71 PUMPING TEST

Pumping test method (10)	Pumping rate (11-14)	Duration of pumping (15-16) Hours (17-18) Mins
1 ☒ Pump 2 ☐ Bailer	5 GPM	1

Static level (19-21)	Water level end of pumping (22-24)	Water levels during (25)	15 minutes (26-28)	30 minutes (29-31)	45 minutes (32-34)	60 minutes (35-37)
16 feet	95 feet	1 ☐ Pumping 2 ☒ Recovery	37 feet	22'4 feet	16'8 feet	16 feet

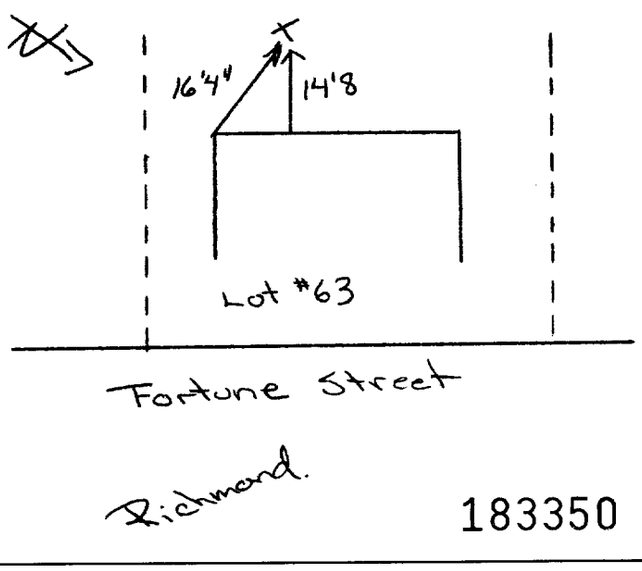
If flowing give rate (38-41)	Pump intake set at	Water at end of test (42)
GPM	feet	☐ Clear ☐ Cloudy

Recommended pump type	Recommended pump setting (43-45)	Recommended pump rate (46-49)
☐ Shallow ☒ Deep	125 feet	5 GPM

(50-53)

LOCATION OF WELL

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



183350

FINAL STATUS OF WELL (54)

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well
5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering
9 ☐ Unfinished 10 ☐ Replacement well

WATER USE (55-56)

1 ☐ Domestic 2 ☒ Stock 3 ☐ Irrigation 4 ☐ Industrial
5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning
9 ☐ Not used 10 ☐ Other .....

METHOD OF CONSTRUCTION (57)

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air)
5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting
9 ☐ Driving 10 ☐ Digging 11 ☐ Other .....

Name of Well Contractor	Well Contractor's Licence No.
~~Capital Water Supply Ltd.~~	~~1558~~
Address: ~~P.O. Box 490 Stittsville, Ontario K2S 1A6~~	
Name of Well Technician: ~~S. Miller~~	Well Technician's Licence No.: ~~T0097~~
Signature of Technician/Contractor	Submission date: day 7 mo 10 yr 97

MINISTRY USE ONLY

Data source (58)	Contractor (59-62)	Date received (63-68) (80)
	1558	DEC 22 1997

Date of inspection | Inspector

Remarks

2 - MINISTER OF ENVIRONMENT & ENERGY COPY

Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **1530924** Municipality 15003 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Ottawa Carleton	Goulbourn	3	22/23

Address: Box 152, 6083 Ottawa Str. Richmond,Ontario K0A 2Z0

Date completed: day 13 month 9 year 99

21 Overburden Northing RC Elevation RC Basin Code I II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Hardpan	Boulders	Packed	0	10
Gray	Hardpan	Boulders	Packed	10	27
Gray	Limestone		Medium	27	125

31

32

41 WATER RECORD

Water found at - feet	Kind of water
107	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
NOT TESTED	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 6 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 ☐ Steel 2 ☒ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	31.5
5 7/8	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		31.5	125
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
30	0	Grouted - Cement (4)

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer

Pumping rate: 20 GPM

Duration of pumping: 1 Hours ..... Mins

Water levels during: 1 ☐ Pumping 2 ☒ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
17'4" feet	75 feet	18'6" feet	17'7" feet	17'5" feet	17'4" feet

If flowing give rate: GPM

Pump intake set at: feet

Water at end of test: ☐ Clear ☒ Cloudy

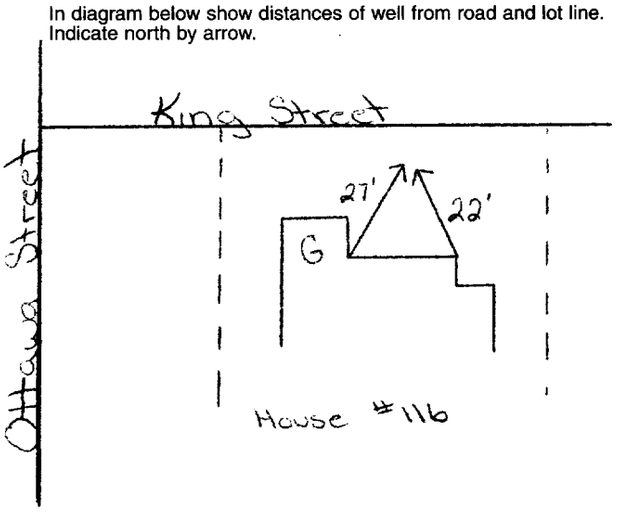
Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump setting: 90 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

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



208457

FINAL STATUS OF WELL 54

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE 55-56

1 ☒ Domestic 2 ☒ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other .....

METHOD OF CONSTRUCTION 57

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☐ Rotary (air) 5 ☐ Air percussion 6 ☒ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other .....

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply Ltd.	1558
Address: P.O. Box 490 Stittsville,Ontario K2S 1A6	
Name of Well Technician: S. Miller	Well Technician's Licence No.: T0097
Signature of Technician/Contractor	Submission date: day 14 mo 9 yr 99

MINISTRY USE ONLY

Data source 58 | Contractor 1558 59-62 | Date received DEC 0 7 1999 63-68 | 80

Date of inspection | Inspector

Remarks: CSS.ES0

0506 (11/98) Front Form 9

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Ontario Ministry of the Environment

The Ontario Water Resources Act
WATER WELL RECORD

Print only in spaces provided.
Mark correct box with a checkmark, where applicable.

11 **1531121** Municipality 15003 Con. CON 03

County or District	Township/Borough/City/Town/Village	Con block tract survey, etc.	Lot
Ottawa Carleton	Goulbourn	3	23

Address: [redacted] #44 Patterson Carleton Place, Ontario K7C 5P3

Date completed: 27 day 5 month 00 year

21 Northing RC Elevation RC Basin Code II III IV

LOG OF OVERBURDEN AND BEDROCK MATERIALS (see instructions)

General colour	Most common material	Other materials	General description	Depth - feet From	Depth - feet To
Brown	Clay			0	12
Gray	Limestone		Hard	12	175

31

32

41 WATER RECORD

Water found at - feet	Kind of water
92	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
168	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
NOT TESTED	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas
	1 ☐ Fresh 2 ☐ Salty 3 ☐ Sulphur 4 ☐ Minerals 5 ☐ Gas

51 CASING & OPEN HOLE RECORD

Inside diam inches	Material	Wall thickness inches	Depth - feet From	Depth - feet To
6 1/4	1 ☐ Steel 2 ☒ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic	.188	0	26
6	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☒ Open hole 5 ☐ Plastic		26	175
	1 ☐ Steel 2 ☐ Galvanized 3 ☐ Concrete 4 ☐ Open hole 5 ☐ Plastic			

SCREEN

Sizes of opening (Slot No.)	Diameter inches	Length feet

Material and type | Depth at top of screen feet

61 PLUGGING & SEALING RECORD

☒ Annular space ☐ Abandonment

Depth set at - feet From	Depth set at - feet To	Material and type (Cement grout, bentonite, etc.)
21	0	Grouted-Cement (3)

71 PUMPING TEST

Pumping test method: 1 ☒ Pump 2 ☐ Bailer

Pumping rate: 12 GPM

Duration of pumping: 1 Hours ..... Mins

Water levels during: 1 ☒ Pumping 2 ☐ Recovery

Static level	Water level end of pumping	15 minutes	30 minutes	45 minutes	60 minutes
+4.5 feet	50 feet	170 feet	150 feet	100 feet	50 feet

If flowing give rate: 2 GPM

Pump intake set at: feet

Water at end of test: ☐ Clear ☒ Cloudy

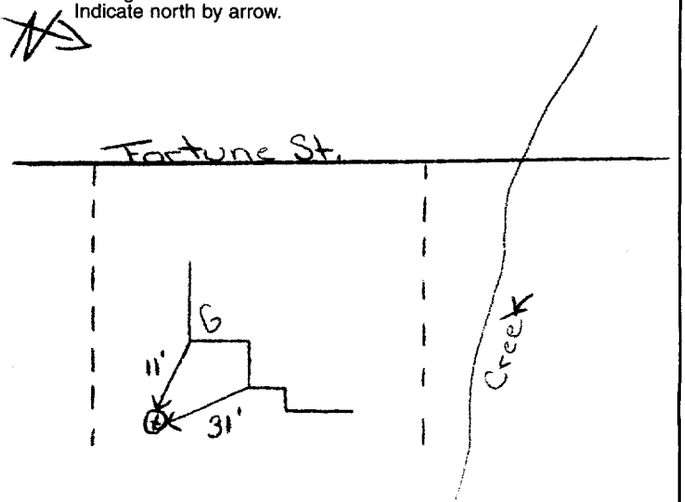
Recommended pump type: ☐ Shallow ☒ Deep

Recommended pump setting: 60 feet

Recommended pump rate: 5 GPM

LOCATION OF WELL

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



208593

FINAL STATUS OF WELL 54

1 ☒ Water supply 2 ☐ Observation well 3 ☐ Test hole 4 ☐ Recharge well 5 ☐ Abandoned, insufficient supply 6 ☐ Abandoned, poor quality 7 ☐ Abandoned (Other) 8 ☐ Dewatering 9 ☐ Unfinished 10 ☐ Replacement well

WATER USE 55-56

1 ☒ Domestic 2 ☐ Stock 3 ☐ Irrigation 4 ☐ Industrial 5 ☐ Commercial 6 ☐ Municipal 7 ☐ Public supply 8 ☐ Cooling & air conditioning 9 ☐ Not use 10 ☐ Other .....

METHOD OF CONSTRUCTION 57

1 ☐ Cable tool 2 ☐ Rotary (conventional) 3 ☐ Rotary (reverse) 4 ☒ Rotary (air) 5 ☒ Air percussion 6 ☐ Boring 7 ☐ Diamond 8 ☐ Jetting 9 ☐ Driving 10 ☐ Digging 11 ☐ Other .....

Name of Well Contractor	Well Contractor's Licence No.
Capital Water Supply ltd	1558
Address: P.O. Box 490 Stittsville, Ontario K2S 1A6	
Name of Well Technician: S. Miller	Well Technician's Licence No.: T0097
Signature of Technician/Contractor	Submission date: day 29 mo 5 yr 00

MINISTRY USE ONLY

Data source 58 | Contractor 1558 59-62 | Date received JUN 20 2000 63-68 69

Date of inspection | Inspector

Remarks: CSS.ES0

2 - MINISTRY OF THE ENVIRONMENT COPY

0506 (11/98) Front Form 9

Mark Bujaki

From: Public Information Services <publicinformationservices@tssa.org>
Sent: January 14, 2025 11:46 AM
To: Mark Bujaki
Subject: RE: PE6909 - Records Search Request

External Email: Do not click on links or open attachments unless you trust the sender.

NO RECORD FOUND IN CURRENT DATABASE

Hello,

Thank you for your request for confirmation of public information. TSSA has performed a preliminary search of TSSA's current database.

- We confirm that there are no records in our current database of any fuel storage tanks at the subject address(es).

This is not a confirmation that there are no records in the archives. For a further search in our archives, please go to the **TSSA Client Portal** to complete an Application for Release of Public Information.

Please refer to How to Submit a Public Information Request (tssa.org) for instructions.

The associated fee must be paid via credit card (Visa or MasterCard).

Once all steps have been successfully completed you will receive your payment receipt via email.

TSSA does not make any representations or warranties with respect to the accuracy or completeness of any records released. The requestor assumes all risk in using or relying on the information provided.

If you have any questions or concerns, please do not hesitate to contact our Public Information Release team at publicinformationservices@tssa.org.

Kind regards,

Kimberly Gage | Public Information & Records Agent
Public Information
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3581 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org
www.tssa.org

From: Mark Bujaki <mbujaki@Patersongroup.ca>
Sent: Tuesday, January 14, 2025 10:44 AM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: PE6909 - Records Search Request

[CAUTION]: This email originated outside the organisation.
Please do not click links or open attachments unless you recognise the source of this email and know the content is safe.

Hello,

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

76 Maitland Street South
77 Maitland Street South
78 Maitland Street South
79 Maitland Street South
80 Maitland Street South

127 Burke Street

68 Fortune Street
77 A Fortune Street
79 Fortune Street

120 Royal York Street West

Thank you

PATERSON GROUP
SOLUTION ORIENTED ENGINEERING

Mark Bujaki, B.Sc., MBA
Junior Environmental Scientist
Environmental Division
TEL: (613) 226-7381 ext. 335
DIRECT: (613) 299-4209
9 AURIGA DRIVE
OTTAWA ON K2E 7T9
patersongroup.ca

TEMPORARY SHORING DESIGN SERVICES ARE NOW AVAILABLE, PLEASE CONTACT US TO SEE HOW WE CAN HELP!
NEW OFFICE OPEN IN THE GREATER TORONTO AREA WITH OUR EXPANSIVE LIST OF SERVICES NOW AVAILABLE!

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File Number: D06-03-25-0005

February 7, 2025

Mark Bujaki
Paterson Group

Sent via email mbujaki@Patersongroup.ca

Dear Mark Bujaki ,

Re: Information Request
79 Maitland Street South 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:

- **Environmental Remediation Unit:** The City's Environmental Remediation Unit (ERU) has a Phase I Environmental Site Assessment report (Paterson, 2012) for this property. Please contact ERU-UAE@ottawa.ca to obtain a copy of the report if required.

- **Ottawa Public Health - Environmental Health:** all public inspection results are publicly available on the Ottawa Public Health website: https://www.ottawapublichealth.ca/en/public-health-services/public-health-inspections.aspx

- **Sewer Use Program:** No records found for this property.

- **Solid Waste Services:** No records found for this property.

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.

For more information on how to interpret the HLUI data identified in the attached excel sheet ('ADDRESS – HLUI Summary report.xlsx'), please refer to the Overview and User Guide."

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

Ottawa Public Health

Ottawa Public Health inspects many different types of establishments. To view inspection results, please visit the Ottawa Public Health website: Public Health Inspections - Ottawa Public Health

Please note that Ottawa Public Health is not the lead agency on land use contamination in the City of Ottawa – contact the Ministry of Environment Conservation and Parks (MECP) for further information.

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,

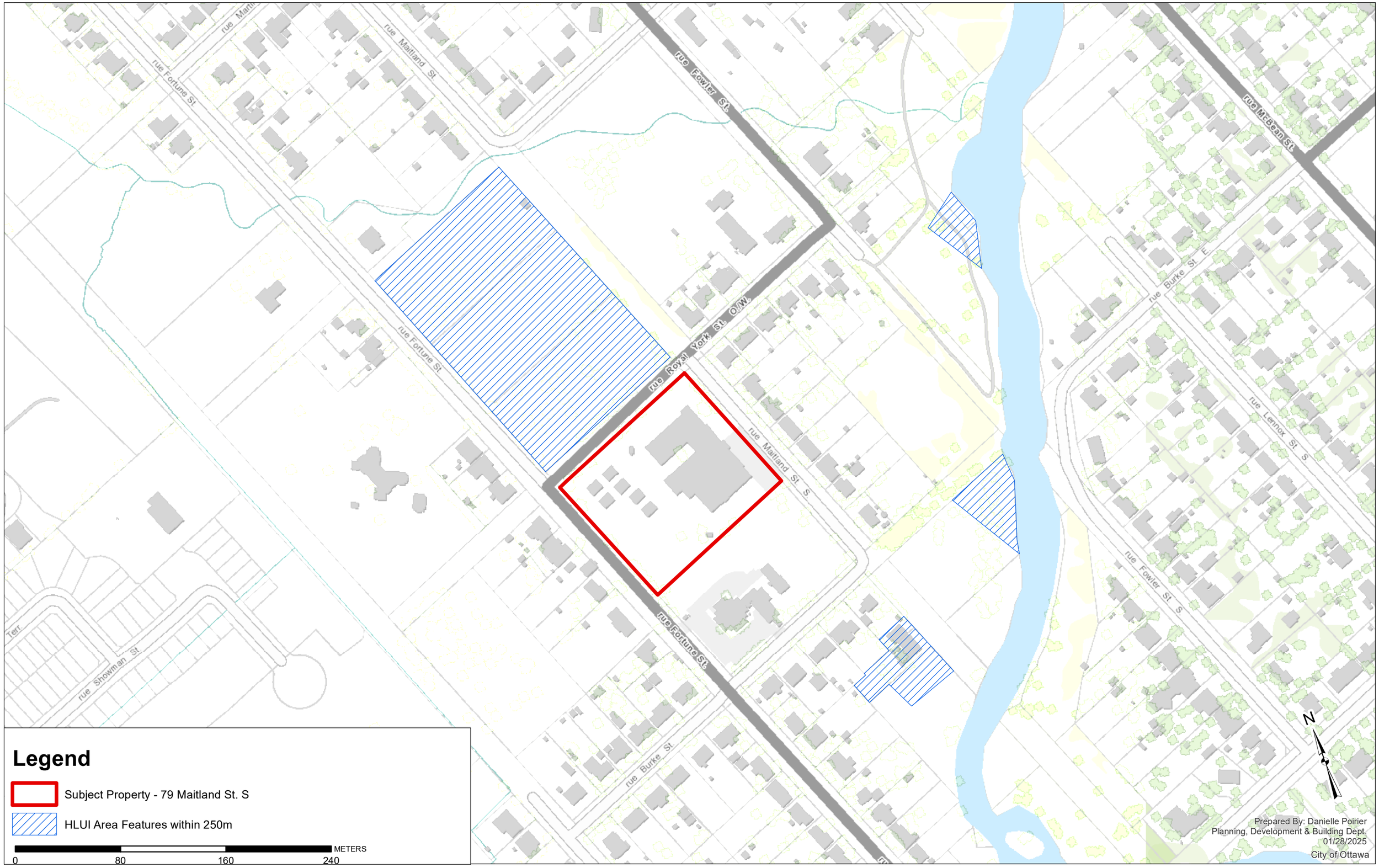
Danielle Poirier
Student Planner
Development Review
Planning, Development and Building Services Department

Enclosures: (2)

1. HLUI Map
2. HLUI Summary Report

cc: File no. D06-03-25-0005

HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP



HLUI SUMMARY REPORT
AREA FEATURES

OBJECTID	6888	17437	17436	7354
ACTIVITY_NAME	CEMETARY	TANNERY	TANNERY	DISTILLERY AND GRIST MILL
FACILITY_TYPE	Cemetary	Tannery	Tannery	Distillery and Grist Mill
SOURCE_UPDATE_SORTED	1979-Topo; 2004-GWStudy; 2017-AirPhoto	1863-NMC-43061	1863-NMC-43061	1863-NMC-43061
QAQC	1	2	2	1
YEAR	1979-2017	1863	1863	1863
YEAR_1	1979 Topographic Map	NMC-43061 1863	NMC-43061 1863	NMC-43061 1863
ST_NUM				
ST_NAME				
ST_SUFFIX				
ST_DIR				
MUNICIPALITY				
ST_NUM2017	62	82	82	122
ST_NAME2017	FORTUNE	FOWLER	FOWLER	BURKE
ST_SUFFIX2017	ST	ST	ST	ST
ST_DIR2017				
POSTAL_CODE 2017		K0A2Z0	K0A2Z0	K0A2Z0
PIN2017	44310019			39330183
MUNICIPALITY2017	GOULBOURN			GOULBOURN
NAICS				
SIC				
COMMENTS				
STORAGE_TANK				
FACILITY_TYPE_FR				
ACTIVITY_NAME_FR				
GLOBALID	{29EEC9E2-2696-4D5E-8084-E6FC12FA9349}	{3E34270C-865E-46AA-8F9A-C773F97EBBC4}	{7E10FBD5-3A90-46E9-AD85-8DA21015213C}	{7575762A-173E-4743-8AB2-0577F2E862DC}
CREATED_DATE				
LAST_EDITED_DATE				
Shape_Length	24943.32673	1854.234088	1107.810633	2525.889038
Shape_Area	645.6063484	194.9183146	148.4182734	235.7235906

DATABASE REPORT

Project Property:	*PE6909 - 79 Maitland Street* *PE6909 - 79 Maitland Street* *Ottawa ON*
Project No:	
Report Type:	*Standard Report*
Order No:	*25011000349*
Requested by:	*Paterson Group Inc.*
Date Completed:	*January 10, 2025*

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

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Notice: IMPORTANT LIMITATIONS and YOUR LIABILITY

Reliance on information in Report: This report DOES NOT replace a full Phase I Environmental Site Assessment but is solely intended to be used as a database review of environmental records.

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Executive Summary

Property Information:

Project Property: *PE6909 - 79 Maitland Street*
PE6909 - 79 Maitland Street Ottawa ON

Project No:

Coordinates:

Latitude:	*45.1853504*
Longitude:	*-75.8360056*
UTM Northing:	*5,003,880.73*
UTM Easting:	*434,322.77*
UTM Zone:	*18T*

Elevation: *311 FT*
94.88 M

Order Information:

Order No: *25011000349*
Date Requested: *January 10, 2025*
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	Y	0	0	0
AGR	Aggregate Inventory	Y	0	0	0
AMIS	Abandoned Mine Information System	Y	0	0	0
ANDR	Anderson's Waste Disposal Sites	Y	0	0	0
AST	Aboveground Storage Tanks	Y	0	0	0
AUWR	Automobile Wrecking & Supplies	Y	0	0	0
BORE	Borehole	Y	0	4	4
CA	Certificates of Approval	Y	0	3	3
CDRY	Dry Cleaning Facilities	Y	0	0	0
CFOT	Commercial Fuel Oil Tanks	Y	0	0	0
CHEM	Chemical Manufacturers and Distributors	Y	0	0	0
CHM	Chemical Register	Y	0	0	0
CNG	Compressed Natural Gas Stations	Y	0	0	0
COAL	Inventory of Coal Gasification Plants and Coal Tar Sites	Y	0	0	0
CONV	Compliance and Convictions	Y	0	0	0
CPU	Certificates of Property Use	Y	0	0	0
DRL	Drill Hole Database	Y	0	0	0
DTNK	Delisted Fuel Tanks	Y	0	0	0
EASR	Environmental Activity and Sector Registry	Y	0	0	0
EBR	Environmental Registry	Y	0	0	0
ECA	Environmental Compliance Approval	Y	0	0	0
EEM	Environmental Effects Monitoring	Y	0	0	0
EHS	ERIS Historical Searches	Y	1	0	1
EIIS	Environmental Issues Inventory System	Y	0	0	0
EMHE	Emergency Management Historical Event	Y	0	0	0
EPAR	Environmental Penalty Annual Report	Y	0	0	0
EXP	List of Expired Fuels Safety Facilities	Y	0	0	0
FCON	Federal Convictions	Y	0	0	0
FCS	Contaminated Sites on Federal Land	Y	0	0	0
FOFT	Fisheries & Oceans Fuel Tanks	Y	0	0	0
FRST	Federal Identification Registry for Storage Tank Systems (FIRSTS)	Y	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	Y	0	1	1
GHG	Greenhouse Gas Emissions from Large Facilities	Y	0	0	0
HINC	TSSA Historic Incidents	Y	0	1	1
IAFT	Indian & Northern Affairs Fuel Tanks	Y	0	0	0

Database	Name	Searched	Project Property	Within 0.25 km	Total
INC	Fuel Oil Spills and Leaks	Y	0	0	0
LIMO	Landfill Inventory Management Ontario	Y	0	0	0
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	0	0
NPR2	National Pollutant Release Inventory	Y	0	0	0
NPRI	National Pollutant Release Inventory - Historic	Y	0	0	0
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	0	0
ORD	Orders	Y	0	0	0
PAP	Canadian Pulp and Paper	Y	0	0	0
PCFT	Parks Canada Fuel Storage Tanks	Y	0	0	0
PES	Pesticide Register	Y	0	0	0
PFAS	Ontario PFAS Spills	Y	0	0	0
PFCH	NPRI Reporters - PFAS Substances	Y	0	0	0
PFHA	Potential PFAS Handlers from NPRI	Y	0	0	0
PINC	Pipeline Incidents	Y	0	0	0
PPHA	Potential PFAS Handlers from EASR	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	0	0
SPL	Ontario Spills	Y	0	1	1
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	0	0
WWIS	Water Well Information System	Y	0	56	56

Database	Name	Searched	Project Property	Within 0.25 km	Total
Total:			1	66	67

Executive Summary: Site Report Summary - Project Property

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev diff (m)	Page Number
1	EHS		79 Maitland St. Richmond Richmond ON K0A 2Z0	-/0.0	0.00	24

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	WWIS		con 3 ON **Well ID:** 1531858	NNW/22.8	0.00	24
3	WWIS		ON **Well ID:** 1509232	ESE/29.5	0.00	25
4	WWIS		ON **Well ID:** 1511144	ENE/55.5	0.00	28
5	WWIS		ON **Well ID:** 1511111	E/67.8	0.00	31
6	BORE		ON	ENE/69.2	0.00	34
7	WWIS		ON **Well ID:** 1511399	E/79.0	0.00	35
8	WWIS		ON **Well ID:** 1511110	E/80.1	0.00	38
9	WWIS		ON **Well ID:** 1511100	E/89.8	0.03	41
10	WWIS		ON **Well ID:** 1511398	ESE/92.4	0.03	45
11	WWIS		ON **Well ID:** 1511109	NNE/95.4	0.00	48
12	WWIS		ON **Well ID:** 1510863	ESE/107.6	-0.69	51
13	WWIS		ON	NNW/107.6	0.00	54

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1511395			
14	WWIS		ON ***Well ID:*** 1511396	NNE/112.0	0.00	57
15	WWIS		ON ***Well ID:*** 1511146	ESE/113.8	-0.99	60
16	WWIS		3660 McBean RICHMOND ON ***Well ID:*** 7363357	NNE/116.8	0.00	64
17	CA	BRIAN ARBUCKLE	FORTUNE ST/YORK ST. GOULBOURN TWP. ON	W/120.7	0.00	65
17	CA	MARK RABB	FORTUNE ST./YORK ST. GOULBOURN TWP. ON	W/120.7	0.00	66
18	WWIS		ON ***Well ID:*** 1513381	SW/131.4	0.00	66
19	WWIS		ON ***Well ID:*** 1510630	WSW/140.1	0.00	70
20	WWIS		lot 24 con 3 ON ***Well ID:*** 1531697	WSW/144.2	0.00	73
21	WWIS		ON ***Well ID:*** 1514650	NE/147.4	-0.27	75
22	BORE		ON	WNW/156.9	0.95	78
23	WWIS		122 BURKE STREET RICHMOND ON ***Well ID:*** 7109787	ESE/157.2	-0.77	80
24	WWIS		ON ***Well ID:*** 1509256	ENE/158.7	-1.05	82
25	WWIS		lot 23 con 3 ON	S/159.9	0.00	85

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1515370			
25	WWIS		lot 23 con 3 ON ***Well ID:*** 1517707	S/159.9	0.00	88
25	WWIS		lot 23 con 3 ON ***Well ID:*** 1517895	S/159.9	0.00	91
26	WWIS		ON ***Well ID:*** 1509117	SE/164.2	0.00	94
27	GEN	1738575 Ontario Inc.	122 Burke St Richmond ON K0A 2Z0	ESE/169.8	-1.68	97
28	WWIS		ON ***Well ID:*** 1509296	NE/173.2	-1.64	97
29	CA	ALAN MATTHEWS	FORTUNE ST/BURKE ST.(RICHMOND) GOULBOURN TWP. ON	S/173.6	0.00	99
30	WWIS		130 Burke Street lot 23 con 3 RICHMOND ON ***Well ID:*** 7371677	SE/175.8	0.00	100
31	WWIS		126 BURKE STREET RICHMOND ON ***Well ID:*** 7285368	SE/176.0	-0.76	107
32	WWIS		ON ***Well ID:*** 1509207	SE/177.9	-1.68	114
33	WWIS		ON ***Well ID:*** 1510285	SSE/178.4	0.00	117
34	WWIS		ON ***Well ID:*** 1510629	NNE/187.5	-2.00	119
35	WWIS		ON ***Well ID:*** 7410494	ENE/196.1	-3.27	122
36	WWIS		lot 23 con 3 ON	NNE/197.2	-2.00	123

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1509750			
37	WWIS		98 FORTUNE STREET RICHMOND ON ***Well ID:*** 7248793	SSE/199.4	0.00	126
38	BORE		ON	NE/205.8	-2.91	133
39	WWIS		lot 23 con 3 ON ***Well ID:*** 1531121	NW/210.4	-1.00	134
39	WWIS		lot 23 con 3 ON ***Well ID:*** 1531125	NW/210.4	-1.00	137
40	WWIS		lot 23 con 3 ON ***Well ID:*** 1530924	NW/210.4	-1.00	141
40	WWIS		lot 23 con 3 ON ***Well ID:*** 1524370	NW/210.4	-1.00	144
40	WWIS		lot 23 con 3 ON ***Well ID:*** 1524683	NW/210.4	-1.00	148
40	WWIS		lot 23 con 3 ON ***Well ID:*** 1525377	NW/210.4	-1.00	152
40	WWIS		lot 23 con 3 ON ***Well ID:*** 1526716	NW/210.4	-1.00	155
40	WWIS		lot 23 con 3 ON ***Well ID:*** 1529019	NW/210.4	-1.00	159
40	WWIS		lot 23 con 3 ON ***Well ID:*** 1529716	NW/210.4	-1.00	163
41	WWIS		98 FORTUNE STREET RICHMOND ON ***Well ID:*** 7248735	SSE/212.1	-0.78	166
42	WWIS		lot 23 con 3 ON	E/215.3	-3.42	168

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1517896			
42	WWIS		lot 23 con 3 ON ***Well ID:*** 1518349	E/215.3	-3.42	171
42	WWIS		lot 23 con 3 ON ***Well ID:*** 1519329	E/215.3	-3.42	175
43	WWIS		ON ***Well ID:*** 1514852	SSE/216.6	0.00	178
44	WWIS		con 3 ON ***Well ID:*** 1531857	N/217.4	-3.41	181
45	WWIS		ON ***Well ID:*** 1515320	S/217.7	0.00	184
46	BORE		ON	S/218.8	0.00	187
47	WWIS		lot 23 con 3 ON ***Well ID:*** 1509730	S/219.1	0.00	188
48	WWIS		ON ***Well ID:*** 1509288	ENE/221.4	-3.43	191
49	WWIS		lot 23 con 3 ON ***Well ID:*** 1509735	N/223.0	-3.39	193
50	WWIS		lot 23 con 3 ON ***Well ID:*** 1509984	S/230.4	0.00	196
51	SPL		136 Burke Street West, Richmond Ottawa ON	S/239.9	0.00	198
51	HINC		136 BURKE STREET WEST RICHMOND ON	S/239.9	0.00	199
52	WWIS		lot 23 con 3 ON	SSE/245.9	0.00	200

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			Well ID: 1509726			
53	WWIS		ON ***Well ID:*** 1509119	NE/246.1	-3.54	202
54	WWIS		lot 23 con 3 ON ***Well ID:*** 1518430	ENE/249.9	-3.54	205

Executive Summary: Summary By Data Source

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 4 BORE site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON	ENE	69.22	6
	ON	WNW	156.89	22
	ON	S	218.81	46

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON	NE	205.79	38

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 3 CA site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
BRIAN ARBUCKLE	FORTUNE ST/YORK ST. GOULBOURN TWP. ON	W	120.68	17
MARK RABB	FORTUNE ST./YORK ST. GOULBOURN TWP. ON	W	120.68	17
ALAN MATTHEWS	FORTUNE ST/BURKE ST. (RICHMOND) GOULBOURN TWP. ON	S	173.64	29

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Aug 31, 2024 has found that there are 1 EHS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	79 Maitland St. Richmond Richmond ON K0A 2Z0	-	0.00	1

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Nov 30, 2022 has found that there are 1 GEN site(s) within approximately 0.25 kilometers of the project property.

Lower Elevation	Address	Direction	Distance (m)	Map Key
1738575 Ontario Inc.	122 Burke St Richmond ON K0A 2Z0	ESE	169.85	27

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	136 BURKE STREET WEST RICHMOND ON	S	239.87	51

SPL - Ontario Spills

A search of the SPL database, dated 1988-Jun 2024; Aug 2024; Oct 2024 has found that there are 1 SPL site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	136 Burke Street West, Richmond Ottawa ON	S	239.87	51

WWIS - Water Well Information System

A search of the WWIS database, dated Dec 31 2023 has found that there are 56 WWIS site(s) within approximately 0.25 kilometers of the project property.

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	con 3 ON ***Well ID:*** 1531858	NNW	22.77	2
	ON ***Well ID:*** 1509232	ESE	29.54	3
	ON ***Well ID:*** 1511144	ENE	55.48	4
	ON ***Well ID:*** 1511111	E	67.85	5
	ON ***Well ID:*** 1511399	E	79.04	7
	ON ***Well ID:*** 1511110	E	80.06	8
	ON ***Well ID:*** 1511100	E	89.81	9
	ON ***Well ID:*** 1511398	ESE	92.41	10
	ON ***Well ID:*** 1511109	NNE	95.42	11
	ON ***Well ID:*** 1511395	NNW	107.64	13
	ON ***Well ID:*** 1511396	NNE	112.00	14
	3660 McBean RICHMOND ON	NNE	116.81	16

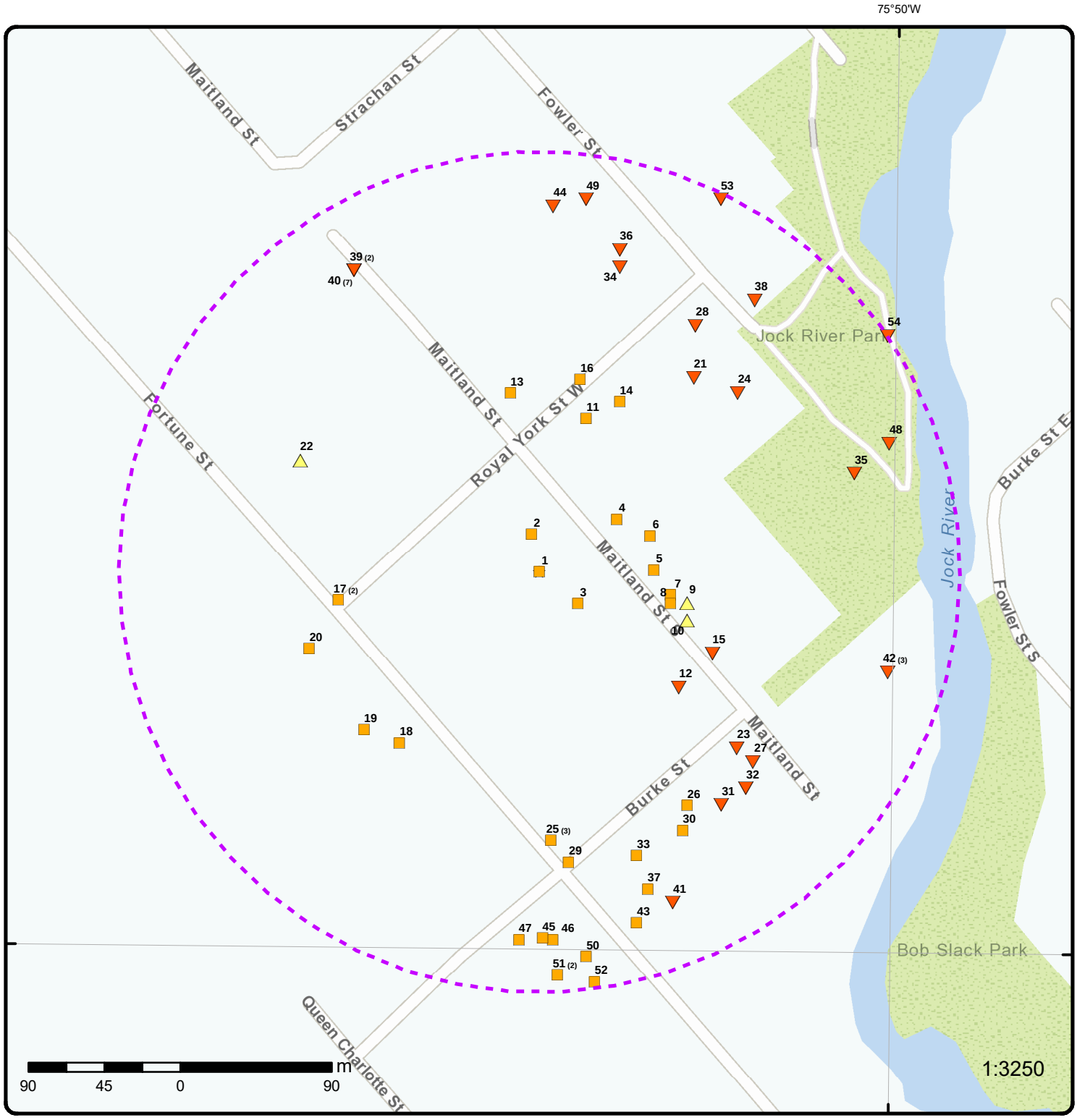
Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	Well ID: 7363357			
	ON ***Well ID:*** 1513381	SW	131.40	18
	ON ***Well ID:*** 1510630	WSW	140.13	19
	lot 24 con 3 ON ***Well ID:*** 1531697	WSW	144.21	20
	lot 23 con 3 ON ***Well ID:*** 1515370	S	159.88	25
	lot 23 con 3 ON ***Well ID:*** 1517707	S	159.88	25
	lot 23 con 3 ON ***Well ID:*** 1517895	S	159.88	25
	ON ***Well ID:*** 1509117	SE	164.20	26
	130 Burke Street lot 23 con 3 RICHMOND ON ***Well ID:*** 7371677	SE	175.78	30
	ON ***Well ID:*** 1510285	SSE	178.37	33
	98 FORTUNE STREET RICHMOND ON ***Well ID:*** 7248793	SSE	199.36	37
	ON ***Well ID:*** 1514852	SSE	216.60	43

Equal/Higher Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 1515320	S	217.74	45
	lot 23 con 3 ON ***Well ID:*** 1509730	S	219.07	47
	lot 23 con 3 ON ***Well ID:*** 1509984	S	230.42	50
	lot 23 con 3 ON ***Well ID:*** 1509726	SSE	245.93	52

Lower Elevation	Address	Direction	Distance (m)	Map Key
	ON ***Well ID:*** 1510863	ESE	107.64	12
	ON ***Well ID:*** 1511146	ESE	113.80	15
	ON ***Well ID:*** 1514650	NE	147.38	21
	122 BURKE STREET RICHMOND ON ***Well ID:*** 7109787	ESE	157.20	23
	ON ***Well ID:*** 1509256	ENE	158.68	24
	ON ***Well ID:*** 1509296	NE	173.24	28
	126 BURKE STREET RICHMOND ON ***Well ID:*** 7285368	SE	175.96	31

ON ***Well ID:*** 1509207	SE	177.93	**32**
ON ***Well ID:*** 1510629	NNE	187.47	**34**
ON ***Well ID:*** 7410494	ENE	196.09	**35**
lot 23 con 3 ON ***Well ID:*** 1509750	NNE	197.16	**36**
lot 23 con 3 ON ***Well ID:*** 1531121	NW	210.36	**39**
lot 23 con 3 ON ***Well ID:*** 1531125	NW	210.36	**39**
lot 23 con 3 ON ***Well ID:*** 1530924	NW	210.41	**40**
lot 23 con 3 ON ***Well ID:*** 1524370	NW	210.41	**40**
lot 23 con 3 ON ***Well ID:*** 1524683	NW	210.41	**40**
lot 23 con 3 ON ***Well ID:*** 1525377	NW	210.41	**40**
lot 23 con 3 ON ***Well ID:*** 1526716	NW	210.41	**40**
lot 23 con 3 ON ***Well ID:*** 1529019	NW	210.41	**40**
lot 23 con 3 ON	NW	210.41	**40**

Well ID: 1529716			
98 FORTUNE STREET RICHMOND ON ***Well ID:*** 7248735	SSE	212.09	41
lot 23 con 3 ON ***Well ID:*** 1517896	E	215.29	42
lot 23 con 3 ON ***Well ID:*** 1518349	E	215.29	42
lot 23 con 3 ON ***Well ID:*** 1519329	E	215.29	42
con 3 ON ***Well ID:*** 1531857	N	217.42	44
ON ***Well ID:*** 1509288	ENE	221.39	48
lot 23 con 3 ON ***Well ID:*** 1509735	N	223.01	49
ON ***Well ID:*** 1509119	NE	246.15	53
lot 23 con 3 ON ***Well ID:*** 1518430	ENE	249.91	54



Map: 0.25 Kilometer Radius

Order Number: 25011000349

Address: PE6909 - 79 Maitland Street, Ottawa, ON

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation
- Freeways; Highways
- Traffic Circle; Ramp
- Major Arterial; Minor Arterial
- Local Road
- Service Road; Traffic Circle; Ramp
- Rail
- Beach
- Airport
- Industrial Area
- Military Base
- Aircraft Roads
- Native Reservation
- Hospital
- Shopping & Sports Area
- University/College
- Cemetery; Golf Course
- Parkt (National)
- Park (City/County)

Source: © 2021 ESRI StreetMap Premium.

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75°49'30"W



45°10'30"N

45°10'30"N

Aerial

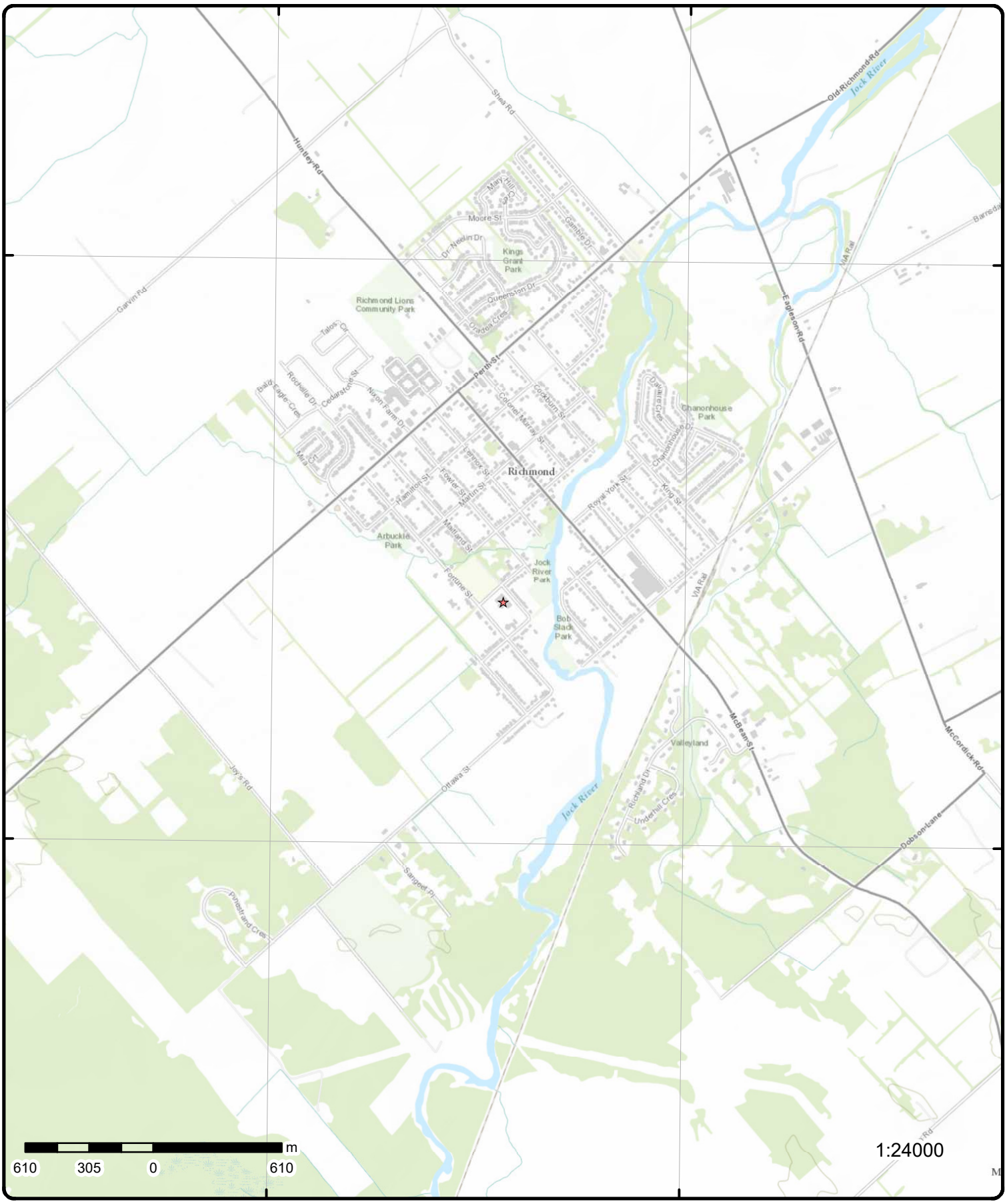
Year: 2023

Order Number: 25011000349

Address: PE6909 - 79 Maitland Street, Ottawa, ON

Source: ESRI World Imagery

© ERIS Information Limited Partnership



Topographic Map

Address: PE6909 - 79 Maitland Street, ON

Source: ESRI World Topographic Map

Order Number: 25011000349

© ERIS Information Limited Partnership

Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
1	1 of 1	-/0.0	94.9 / 0.00	79 Maitland St. Richmond Richmond ON K0A 2Z0	EHS

Order No:	24040400742	**Nearest Intersection:**	
Status:	C	**Municipality:**	
Report Type:	Site Report	**Client Prov/State:**	ON
Report Date:	05-APR-24	**Search Radius (km):**	.001
Date Received:	04-APR-24	**X:**	-75.8359204
Previous Site Name:		**Y:**	45.1853459
Lot/Building Size:			
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	1 of 1	NNW/22.8	94.9 / 0.00	con 3 ON	WWIS

Well ID:	1531858	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:		**Date Received:**	05/25/2001
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	230058	**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531858.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/05/2001
Year Completed:	2001
Depth (m):	
Latitude:	45.1855503797985
Longitude:	-75.836069188702
X:	-75.83606902770339
Y:	45.185550373425336
Path:	153\1531858.pdf

Bore Hole Information

Bore Hole ID:	10053392	**Elevation:**	
DP2BR:		**Elevrc:**	

Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434318.00
Code OB Desc:		**North83:**	5003903.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	04/05/2001	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Location Method Desc:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Method of Construction & Well Use

Method Construction ID:	961531858
Method Construction Code:	0
Method Construction:	Not Known
Other Method Construction:	

Pipe Information

Pipe ID:	10601962
Casing No:	1
Comment:	
Alt Name:	

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3 | ***1 of 1*** | ***ESE/29.5*** | ***94.9 / 0.00*** | ***ON*** | ***WWIS***

Well ID:	1509232	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Public	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	01/23/1961
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3504
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509232.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/23/1960
Year Completed:	1960
Depth (m):	24.384
Latitude:	45.185183923309

Longitude: -75.8357125046586
X: -75.83571234368377
Y: 45.18518391596313
Path: 150\1509232.pdf

Bore Hole Information

Bore Hole ID: 10031265
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/23/1960
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 434345.60
North83: 5003862.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931011732
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 24.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011731
Layer: 1
Color:
General Color:
Material 1: 09
Material 1 Desc: MEDIUM SAND
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 24.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509232

Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579835
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930055180
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 24.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930055181
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.0
Casing Diameter: 8.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991509232
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 45.0
Pumping Rate: 45.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933464040
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 80.0

Water Found Depth UOM: ft

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4 **1 of 1** **ENE/55.5** **94.9 / 0.00** **ON** **WWIS**

Well ID: 1511144
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/01/1971
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511144.pdf

Additional Detail(s) (Map)

Well Completed Date: 04/30/1971
Year Completed: 1971
Depth (m): 24.384
Latitude: 45.1856360988536
Longitude: -75.8354263526386
X: -75.8354261916947
Y: 45.185636092194905
Path: 151\1511144.pdf

Bore Hole Information

Bore Hole ID: 10033141
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/30/1971
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434368.60
North83: 5003912.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931016812

Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016813
Layer:	2
Color:	3
General Color:	BLUE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	80.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511144
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581711
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058810
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930058811
Layer:	2
Material:	4

Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	80.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991511144
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	10.0
Recommended Pump Depth:	30.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934380694
Test Type:	Draw Down
Test Duration:	30
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934900724
Test Type:	Draw Down
Test Duration:	60
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097681
Test Type:	Draw Down
Test Duration:	15
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642827
Test Type:	Draw Down
Test Duration:	45
Test Level:	10.0
Test Level UOM:	ft

Water Details

Water ID:	933466226
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	79.0
Water Found Depth UOM:	ft

5 **1 of 1** **E/67.8** **94.9 / 0.00** **ON** **WWIS**

Well ID:	1511111	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	04/15/1971
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511111.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/29/1971
Year Completed:	1971
Depth (m):	28.3464
Latitude:	45.1853681265796
Longitude:	-75.8351423946089
X:	-75.83514223434982
Y:	45.18536812000275
Path:	151\1511111.pdf

Bore Hole Information

Bore Hole ID:	10033108	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434390.60
Code OB Desc:		**North83:**	5003882.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	03/29/1971	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931016709
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	13.0
Formation End Depth:	93.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016708
Layer:	1
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	13.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511111
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10581678
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058746
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	93.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930058745
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

Pumping Test Method Desc:	PUMP
Pump Test ID:	991511111
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	60.0
Recommended Pump Depth:	75.0
Pumping Rate:	6.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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:	934097649
Test Type:	Draw Down
Test Duration:	15
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380662
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642795
Test Type:	Draw Down
Test Duration:	45
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899719
Test Type:	Draw Down
Test Duration:	60
Test Level:	60.0

Test Level UOM: ft

Water Details

Water ID: 933466180
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.0
Water Found Depth UOM: ft

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6 ***1 of 1*** ***ENE/69.2*** ***94.9 / 0.00*** ***ON*** ***BORE***

Borehole ID: 610306
OGF ID: 215511821
Status:
Type: Borehole
Use:
Completion Date: AUG-1971
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 20.1
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 93.3
Elev Reliabil Note:
DEM Ground Elev m: 94.6
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.185548
Longitude DD: -75.83517
UTM Zone: 18
Easting: 434389
Northing: 5003902
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218385226
Top Depth: 1.8
Bottom Depth: 2.7
Material Color: Grey
Material 1: Gravel
Material 2: Stones
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: GRAVEL,STONES. GREY.

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

Geology Stratum ID: 218385225
Top Depth: 0
Bottom Depth: 1.8
Material Color: Brown
Material 1: Clay
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY,SILT. BROWN.

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

Geology Stratum ID: 218385227
Top Depth: 2.7
Bottom Depth: 20.1
Material Color: Brown

Mat Consistency: Compact
Material Moisture:
Material Texture:
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. 00065 STIFF. SILT,SAND,TILL. BROWN,COMPACT. 0003001092E. 00015016000 **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:**	1
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: OTTAWA1.txt RecordID: 02814 NTS_Sheet:		
Confiden 1:			

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**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		

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7 **1 of 1** **E/79.0** **94.9 / 0.00** **ON** **WWIS**

Well ID:	1511399	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/10/1971
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511399.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/06/1971
Year Completed:	1971
Depth (m):	20.1168
Latitude:	45.1852340471069
Longitude:	-75.8350131442155
X:	-75.83501298300413

Y: 45.18523404036147
Path: 151\1511399.pdf

Bore Hole Information

Bore Hole ID:	10033395	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434400.60
Code OB Desc:		***North83:***	5003867.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	08/06/1971	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931017610
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 9.0
Formation End Depth: 66.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931017608
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 06
Material 2 Desc: SILT
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931017609
Layer: 2
Color: 2

General Color:	GREY
Material 1:	11
Material 1 Desc:	GRAVEL
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511399
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581965
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059292
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930059293
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	66.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991511399
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	6.0
Recommended Pump Depth:	30.0
Pumping Rate:	18.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934382327
Test Type:	Draw Down
Test Duration:	30
Test Level:	6.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934900271
Test Type:	Draw Down
Test Duration:	60
Test Level:	6.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934643906
Test Type:	Draw Down
Test Duration:	45
Test Level:	6.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097090
Test Type:	Draw Down
Test Duration:	15
Test Level:	6.0
Test Level UOM:	ft

Water Details

Water ID:	933466537
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	65.0
Water Found Depth UOM:	ft

8 ***1 of 1*** ***E/80.1*** ***94.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1511110	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	04/15/1971
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1

Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511110.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/29/1971
Year Completed:	1971
Depth (m):	21.336
Latitude:	45.1851890437248
Longitude:	-75.8350124862505
X:	-75.83501232544137
Y:	45.185189036836675
Path:	151\1511110.pdf

Bore Hole Information

Bore Hole ID:	10033107	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434400.60
Code OB Desc:		***North83:***	5003862.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	03/29/1971	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931016707
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	70.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931016706
Layer:	1
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511110
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10581677
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058743
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

Construction Record - Casing

Casing ID:	930058744
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	70.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991511110
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	50.0

Recommended Pump Depth:	60.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934899718
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934642794
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380661
Test Type:	Draw Down
Test Duration:	30
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097648
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933466179
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	68.0
Water Found Depth UOM:	ft

9	***1 of 1***	***E/89.8***	***94.9 / 0.03***	***ON***	***WWIS***

Well ID:	1511100	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1

Final Well Status:	Water Supply	**Date Received:**	04/14/1971
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511100.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/31/1971
Year Completed:	1971
Depth (m):	22.86
Latitude:	45.1851899742486
Longitude:	-75.8348852101562
X:	-75.83488504947896
Y:	45.185189966926025
Path:	151\1511100.pdf

Bore Hole Information

Bore Hole ID:	10033097	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434410.60
Code OB Desc:		**North83:**	5003862.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	03/31/1971	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5
Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931016675
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0

Formation End Depth:	75.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016674
Layer:	2
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	13
Material 2 Desc:	BOULDERS
Material 3:	
Material 3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016673
Layer:	1
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511100
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581667
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058724
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	75.0
Casing Diameter:	
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930058723
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 22.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991511100
Pump Set At:
Static Level: 5.0
Final Level After Pumping: 8.0
Recommended Pump Depth: 30.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934380651
Test Type: Draw Down
Test Duration: 30
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097638
Test Type: Draw Down
Test Duration: 15
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899708
Test Type: Draw Down
Test Duration: 60
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934642784

Test Type:	Draw Down
Test Duration:	45
Test Level:	8.0
Test Level UOM:	ft

Water Details

Water ID:	933466166
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	73.0
Water Found Depth UOM:	ft

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10 | ***1 of 1*** | ***ESE/92.4*** | ***94.9 / 0.03*** | ***ON*** | ***WWIS***

Well ID:	1511398	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/10/1971
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511398.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/06/1971
Year Completed:	1971
Depth (m):	19.812
Latitude:	45.1850999674805
Longitude:	-75.8348838944315
X:	-75.83488373345507
Y:	45.185099960404344
Path:	151\1511398.pdf

Bore Hole Information

Bore Hole ID:	10033394	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434410.60
Code OB Desc:		**North83:**	5003852.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	08/06/1971	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931017605
Layer: 1
Color: 6
General Color: BROWN
Material 1: 01
Material 1 Desc: FILL
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931017607
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 65.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931017606
Layer: 2
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 4.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961511398
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10581964
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930059290
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930059291
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 65.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991511398
Pump Set At:
Static Level: 7.0
Final Level After Pumping: 10.0
Recommended Pump Depth: 30.0
Pumping Rate: 18.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934382326
Test Type: Draw Down
Test Duration: 30
Test Level: 10.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097089
Test Type: Draw Down
Test Duration: 15
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934900270
Test Type: Draw Down
Test Duration: 60
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934643905
Test Type: Draw Down
Test Duration: 45
Test Level: 10.0
Test Level UOM: ft

Water Details

Water ID: 933466536
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65.0
Water Found Depth UOM: ft

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11 | ***1 of 1*** | ***NNE/95.4*** | ***94.9 / 0.00*** | ***ON*** | ***WWIS***

Well ID: 1511109
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 04/15/1971
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511109.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/29/1971
Year Completed:	1971
Depth (m):	25.6032
Latitude:	45.1861744631405
Longitude:	-75.8356633532456
X:	-75.83566319229577
Y:	45.18617445643047
Path:	151\1511109.pdf

Bore Hole Information

Bore Hole ID:	10033106	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434350.60
Code OB Desc:		***North83:***	5003972.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	03/29/1971	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	931016704
Layer:	1
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	06
Material 2 Desc:	SILT
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016705
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	84.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511109
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10581676
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058742
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	84.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930058741
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

Pumping Test Method Desc:	PUMP
Pump Test ID:	991511109
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	30.0
Pumping Rate:	25.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID: 934642793
Test Type: Draw Down
Test Duration: 45
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097647
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934380660
Test Type: Draw Down
Test Duration: 30
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934899717
Test Type: Draw Down
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933466178
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 82.0
Water Found Depth UOM: ft

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12 ***1 of 1*** ***ESE/107.6*** ***94.2 / -0.69*** ***ON*** ***WWIS***

Well ID:	1510863	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	09/28/1970
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		

Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510863.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/13/1970
Year Completed: 1970
Depth (m): 10.3632
Latitude: 45.1847394751564
Longitude: -75.8349422691411
X: -75.83494210778996
Y: 45.18473946816273
Path: 151\1510863.pdf

Bore Hole Information

Bore Hole ID:	10032866	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434405.60
Code OB Desc:		***North83:***	5003812.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	08/13/1970	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931016009
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931016010
Layer: 2
Color: 3
General Color: BLUE
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:

Material 3:
Material 3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 34.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961510863
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10581436
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930058284
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930058285
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 34.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991510863
Pump Set At:
Static Level: 2.0
Final Level After Pumping: 8.0
Recommended Pump Depth: 25.0
Pumping Rate: 60.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1

Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934097420
Test Type:	Draw Down
Test Duration:	15
Test Level:	8.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934380155
Test Type:	Draw Down
Test Duration:	30
Test Level:	8.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934899073
Test Type:	Draw Down
Test Duration:	60
Test Level:	8.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934641731
Test Type:	Draw Down
Test Duration:	45
Test Level:	8.0
Test Level UOM:	ft

Water Details

Water ID:	933465892
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	32.0
Water Found Depth UOM:	ft

13 ***1 of 1*** ***NNW/107.6*** ***94.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1511395	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	09/10/1971
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	

Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511395.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/11/1971
Year Completed:	1971
Depth (m):	19.5072
Latitude:	45.1863052807733
Longitude:	-75.8362380822393
X:	-75.83623792073882
Y:	45.186305273859396
Path:	151\1511395.pdf

Bore Hole Information

Bore Hole ID:	10033391	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434305.60
Code OB Desc:		**North83:**	5003987.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	08/11/1971	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931017600
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	64.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931017599
Layer:	1
Color:	2

General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511395
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581961
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059285
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	64.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930059284
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991511395
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	12.0
Recommended Pump Depth:	30.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft

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

Draw Down & Recovery

Pump Test Detail ID:	934900267
Test Type:	Draw Down
Test Duration:	60
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934382323
Test Type:	Draw Down
Test Duration:	30
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934643902
Test Type:	Draw Down
Test Duration:	45
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097086
Test Type:	Draw Down
Test Duration:	15
Test Level:	12.0
Test Level UOM:	ft

Water Details

Water ID:	933466533
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	63.0
Water Found Depth UOM:	ft

14 ***1 of 1*** ***NNE/112.0*** ***94.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1511396	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/10/1971
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1

Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511396.pdf

Additional Detail(s) (Map)

Well Completed Date:	08/10/1971
Year Completed:	1971
Depth (m):	24.6888
Latitude:	45.1862663322675
Longitude:	-75.8354101133024
X:	-75.83540995190326
Y:	45.186266325195646
Path:	151\1511396.pdf

Bore Hole Information

Bore Hole ID:	10033392	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434370.60
Code OB Desc:		**North83:**	5003982.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	08/10/1971	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931017601
Layer:	1
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931017602
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	16.0
Formation End Depth:	81.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511396
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581962
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930059286
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930059287
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	81.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991511396
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	15.0

Recommended Pump Depth:	30.0
Pumping Rate:	16.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934643903
Test Type:	Draw Down
Test Duration:	45
Test Level:	15.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097087
Test Type:	Draw Down
Test Duration:	15
Test Level:	15.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934382324
Test Type:	Draw Down
Test Duration:	30
Test Level:	15.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934900268
Test Type:	Draw Down
Test Duration:	60
Test Level:	15.0
Test Level UOM:	ft

Water Details

Water ID:	933466534
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	80.0
Water Found Depth UOM:	ft

15	***1 of 1***	***ESE/113.8***	***93.9 / -0.99***	***ON***	***WWIS***

Well ID:	1511146	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1

Final Well Status:	Water Supply	**Date Received:**	06/01/1971
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	

Municipality: RICHMOND VILLAGE
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1511146.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/06/1971
Year Completed: 1971
Depth (m): 23.1648
Latitude: 45.1849213494465
Longitude: -75.8346903497497
X: -75.8346901888112
Y: 45.184921342391284
Path: 151\1511146.pdf

Bore Hole Information

Bore Hole ID:	10033143	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434425.60
Code OB Desc:		**North83:**	5003832.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	05/06/1971	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931016816
Layer: 1
Color: 2
General Color: GREY
Material 1: 01
Material 1 Desc: FILL
Material 2: 11
Material 2 Desc: GRAVEL
Material 3: 09
Material 3 Desc: MEDIUM SAND
Formation Top Depth: 0.0

Formation End Depth:	6.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016817
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931016818
Layer:	3
Color:	3
General Color:	BLUE
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	9.0
Formation End Depth:	76.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961511146
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581713
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930058814
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930058815
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 76.0
Casing Diameter:
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991511146
Pump Set At:
Static Level: 4.0
Final Level After Pumping: 6.0
Recommended Pump Depth: 30.0
Pumping Rate:
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR:
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934642829
Test Type: Draw Down
Test Duration: 45
Test Level: 6.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934097683
Test Type: Draw Down
Test Duration: 15
Test Level: 6.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934380696
Test Type: Draw Down
Test Duration: 30
Test Level: 6.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934900726

Test Type:	Draw Down
Test Duration:	60
Test Level:	6.0
Test Level UOM:	ft

Water Details

Water ID:	933466228
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	74.0
Water Found Depth UOM:	ft

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16 | ***1 of 1*** | ***NNE/116.8*** | ***94.9 / 0.00*** | ***3660 McBean RICHMOND ON*** | ***WWIS***

Well ID:	7363357	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	07/29/2020
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z319356	**Contractor:**	6364
Tag:	A277252	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/736\7363357.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/20/2020
Year Completed:	2020
Depth (m):	
Latitude:	45.1863811433323
Longitude:	-75.8357122027017
X:	-75.83571204174905
Y:	45.18638113611916
Path:	736\7363357.pdf

Bore Hole Information

Bore Hole ID:	1008385527	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434347.00
Code OB Desc:		**North83:**	5003995.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	05/20/2020	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr

Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Pipe Information

Pipe ID: 1009038896
Casing No: 0
Comment:
Alt Name:

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1009040412
Pump Set At:
Static Level:
Final Level After Pumping:
Recommended Pump Depth:
Pumping Rate:
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR:
Pumping Duration MIN:
Flowing:

Water Details

Water ID: 1009040268
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1009039777
Diameter: 5.0
Depth From:
Depth To:
Hole Depth UOM:
Hole Diameter UOM: Inch

17	*1 of 2*	*W/120.7*	*94.9 / 0.00*	***BRIAN ARBUCKLE*** ***FORTUNE ST/YORK ST.*** ***GOULBOURN TWP. ON***	*CA*

Certificate #: 3-0110-95-
Application Year: 95
Issue Date: 2/17/1995
Approval Type: Municipal sewage
Status: Approved

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

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

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17 | **2 of 2** | **W/120.7** | **94.9 / 0.00** | **MARK RABB**
FORTUNE ST./YORK ST.
GOULBOURN TWP. ON | **CA**

Certificate #: 3-1480-94-
Application Year: 94
Issue Date: 11/16/1994
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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18 | **1 of 1** | **SW/131.4** | **94.9 / 0.00** | **ON** | **WWIS**

Well ID: 1513381
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/13/1973
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1513381.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/25/1973
Year Completed: 1973
Depth (m): 14.6304
Latitude: 45.1844269869625
Longitude: -75.837050681728
X: -75.83705052136321

Y: 45.18442698031901
Path: 151\1513381.pdf

Bore Hole Information

Bore Hole ID:	10035367	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434239.60
Code OB Desc:		***North83:***	5003779.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	05/25/1973	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931023218
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 2.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931023219
Layer: 2
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 2.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931023220
Layer: 3
Color:

General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961513381
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10583937
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930062638
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: 930062637
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

Pumping Test Method Desc: PUMP
Pump Test ID: 991513381
Pump Set At:
Static Level: 15.0
Final Level After Pumping: 35.0
Recommended Pump Depth: 40.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft

Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 4
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934897073
Test Type: Draw Down
Test Duration: 60
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934099215
Test Type: Draw Down
Test Duration: 15
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378607
Test Type: Draw Down
Test Duration: 30
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639602
Test Type: Draw Down
Test Duration: 45
Test Level: 35.0
Test Level UOM: ft

Water Details

Water ID: 933468924
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 48.0
Water Found Depth UOM: ft

Water Details

Water ID: 933468923
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 44.0
Water Found Depth UOM: ft

Water Details

Water ID:	933468922
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	35.0
Water Found Depth UOM:	ft

19 **1 of 1** **WSW/140.1** **94.9 / 0.00** **ON** **WWIS**

Well ID:	1510630	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	07/03/1970
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3644
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510630.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/24/1970
Year Completed:	1970
Depth (m):	21.6408
Latitude:	45.1844970330352
Longitude:	-75.837319013424
X:	-75.83731885253555
Y:	45.18449702641281
Path:	151\1510630.pdf

Bore Hole Information

Bore Hole ID:	10032656	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434218.60
Code OB Desc:		**North83:**	5003787.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	03/24/1970	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931015410
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	17.0
Formation End Depth:	71.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015409
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	17.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510630
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581226
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930057886
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057887
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	71.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991510630
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	35.0
Recommended Pump Depth:	40.0
Pumping Rate:	7.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934641132
Test Type:	Draw Down
Test Duration:	45
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934379555
Test Type:	Draw Down
Test Duration:	30
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898613
Test Type:	Draw Down
Test Duration:	60
Test Level:	35.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934097237
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.0

Test Level UOM: ft

Water Details

Water ID: 933465658
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 70.0
Water Found Depth UOM: ft

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20 | ***1 of 1*** | ***WSW/144.2*** | ***94.9 / 0.00*** | ***lot 24 con 3 ON*** | ***WWIS***

Well ID: 1531697
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 222927
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/05/2001
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 024
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531697.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/29/2000
Year Completed: 2000
Depth (m): 67.056
Latitude: 45.1849260224054
Longitude: -75.8377402651366
X: -75.83774010383793
Y: 45.18492601517549
Path: 153\1531697.pdf

Bore Hole Information

Bore Hole ID: 10053231
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/29/2000
Remarks:
Location Method Desc:
Elevrc Desc:
Location Source Date:

Elevation:
Elevrc:
Zone: 18
East83: 434186.00
North83: 5003835.00
Org CS: N83
UTMRC: 3
UTMRC Desc: margin of error : 10 - 30 m
Location Method:

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

Overburden and Bedrock Materials Interval

Formation ID:	931079273
Layer:	1
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	220.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531697
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10601801
Casing No:	1
Comment:	
Alt Name:	

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991531697
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	80.0
Recommended Pump Depth:	80.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	20.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934397718
Test Type:	Recovery
Test Duration:	30

Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934916100
Test Type: Recovery
Test Duration: 60
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934114102
Test Type: Recovery
Test Duration: 15
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934658654
Test Type: Recovery
Test Duration: 45
Test Level: 10.0
Test Level UOM: ft

Water Details

Water ID: 933492268
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 214.0
Water Found Depth UOM: ft

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21 ***1 of 1*** ***NE/147.4*** ***94.6 / -0.27*** ***ON*** ***WWIS***

Well ID:	1514650	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	05/07/1975
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3658
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514650.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/07/1974
Year Completed:	1974
Depth (m):	26.2128
Latitude:	45.1863964369869
Longitude:	-75.8348519299518
X:	-75.83485176950195
Y:	45.18639643008903
Path:	151\1514650.pdf

Bore Hole Information

Bore Hole ID:	10036620	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434414.60
Code OB Desc:		***North83:***	5003996.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	05/07/1974	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931026884
Layer:	1
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	28
Material 2 Desc:	SAND
Material 3:	12
Material 3 Desc:	STONES
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931026885
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	86.0

Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961514650
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10585190
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930064727
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 84.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930064726
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991514650
Pump Set At:
Static Level: 4.0
Final Level After Pumping: 60.0
Recommended Pump Depth: 60.0
Pumping Rate: 8.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 2
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID:	934383070
Test Type:	Draw Down
Test Duration:	30
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934644058
Test Type:	Draw Down
Test Duration:	45
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934100471
Test Type:	Draw Down
Test Duration:	15
Test Level:	60.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901527
Test Type:	Draw Down
Test Duration:	60
Test Level:	60.0
Test Level UOM:	ft

Water Details

Water ID:	933470559
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	46.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933470560
Layer:	2
Kind Code:	1
Kind:	FRESH
Water Found Depth:	84.0
Water Found Depth UOM:	ft

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22 ***1 of 1*** ***WNW/156.9*** ***95.8 / 0.95*** ***ON*** ***BORE***

Borehole ID:	610309	***Inclin FLG:***	No
OGF ID:	215511824	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:	Geotechnical/Geological Investigation	***Primary Name:***	
Completion Date:	SEP-1971	***Municipality:***	
Static Water Level:		***Lot:***	
Primary Water Use:	Not Used	***Township:***	

Sec. Water Use:		**Latitude DD:**	45.185934
Total Depth m:	9.1	**Longitude DD:**	-75.837824
Depth Ref:	Ground Surface	**UTM Zone:**	18
Depth Elev:		**Easting:**	434181
Drill Method:	Power auger	**Northing:**	5003947
Orig Ground Elev m:	93.8	**Location Accuracy:**	
Elev Reliabil Note:		**Accuracy:**	Not Applicable
DEM Ground Elev m:	95.3		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218385234	**Mat Consistency:**	Stiff
Top Depth:	.2	**Material Moisture:**	
Bottom Depth:	1.5	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Clay	**Geologic Formation:**	
Material 2:	Silt	**Geologic Group:**	
Material 3:		**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	CLAY,SILT. GREY,BROWN,VERY STIFF, WEATHERED.		

Geology Stratum ID:	218385235	**Mat Consistency:**	Compact
Top Depth:	1.5	**Material Moisture:**	
Bottom Depth:	2.6	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Clay	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT,SAND,CLAY. BROWN,COMPACT,LAYERED.		

Geology Stratum ID:	218385233	**Mat Consistency:**	
Top Depth:	0	**Material Moisture:**	
Bottom Depth:	.2	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:		**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Gravel	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL,SAND, GRAVEL. BROWN.		

Geology Stratum ID:	218385236	**Mat Consistency:**	
Top Depth:	2.6	**Material Moisture:**	
Bottom Depth:	9.1	**Material Texture:**	
Material Color:	Brown	**Non Geo Mat Type:**	
Material 1:	Silt	**Geologic Formation:**	
Material 2:	Sand	**Geologic Group:**	
Material 3:	Till	**Geologic Period:**	
Material 4:		**Depositional Gen:**	
Gsc Material Description:			
Stratum Description:	SILT,SAND,TILL. BROWN. 00050009STONE. GREY. 00128008000800100012001900045 **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:**	1

Source Date:	1956-1972	**Scale or Res:**	Varies
Confidence:	H	**Horizontal:**	NAD27
Observatio:		**Verticalda:**	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA1.txt RecordID: 028170 NTS_Sheet: 31G04		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

Source Identifier:	1	**Horizontal Datum:**	NAD27
Source Type:	Data Survey	**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		

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23 | ***1 of 1*** | ***ESE/157.2*** | ***94.1 / -0.77*** | ***122 BURKE STREET RICHMOND ON*** | ***WWIS***

Well ID:	7109787	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:		**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Abandoned-Other	**Date Received:**	08/14/2008
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	Yes
Audit No:	Z80764	**Contractor:**	1119
Tag:		**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/710\7109787.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/22/2008
Year Completed:	2008
Depth (m):	12.8016
Latitude:	45.1844186508401
Longitude:	-75.8344997084426
X:	-75.83449954754865
Y:	45.18441864406977
Path:	710\7109787.pdf

Bore Hole Information

Bore Hole ID:	1001732893	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434440.00
Code OB Desc:		**North83:**	5003776.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	3

Date Completed: 07/22/2008
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

UTMRC Desc: margin of error : 10 - 30 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1001750411
Layer: 1
Color:
General Color:
Material 1:
Material 1 Desc:
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 42.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1001750413
Layer: 1
Plug From: 42.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1001750417
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1001750410
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1001750415
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: 1001750416
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM:
Screen Diameter UOM:
Screen Diameter:

Water Details

Water ID: 1001750414
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1001750412
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

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24 ***1 of 1*** ***ENE/158.7*** ***93.8 / -1.05*** ***ON*** ***WWIS***

Well ID:	1509256	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	06/01/1962
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	4824
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509256.pdf

Additional Detail(s) (Map)

Well Completed Date: 03/10/1962
Year Completed: 1962
Depth (m): 18.288

Latitude: 45.1863178495571
Longitude: -75.8345198213988
X: -75.83451965976286
Y: 45.18631784343076
Path: 150\1509256.pdf

Bore Hole Information

Bore Hole ID: 10031289
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/10/1962
Remarks:
Elevation:
Elevrc:
Zone: 18
East83: 434440.60
North83: 5003987.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 300 m
Location Method: p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931011781
Layer: 1
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 20.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011782
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 20.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509256
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579859
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930055230
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 60.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930055229
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991509256
Pump Set At:
Static Level: 12.0
Final Level After Pumping: 15.0
Recommended Pump Depth: 50.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
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

Water Details

Water ID: 933464065
Layer: 1
Kind Code: 1
Kind: FRESH

Water Found Depth: 40.0
Water Found Depth UOM: ft

25 | **1 of 3** | **S/159.9** | **94.9 / 0.00** | **lot 23 con 3 ON** | **WWIS**

Well ID: 1515370
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/09/1976
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515370.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/12/1976
Year Completed: 1976
Depth (m): 44.8056
Latitude: 45.1839133376945
Longitude: -75.8358975722947
X: -75.83589741105125
Y: 45.18391333084756
Path: 151\1515370.pdf

Bore Hole Information

Bore Hole ID: 10037321
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/12/1976
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434329.60
North83: 5003721.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID:	931028989
Layer:	1
Color:	
General Color:	
Material 1:	24
Material 1 Desc:	PREV. DRILLED
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	115.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931028990
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	115.0
Formation End Depth:	147.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961515370
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10585891
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930065882
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930065883
Layer:	2

Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 115.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930065884
Layer: 3
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 147.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991515370
Pump Set At:
Static Level: 2.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 30.0
Pumping Rate: 40.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 2
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934646794
Test Type: Draw Down
Test Duration: 45
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934100855
Test Type: Draw Down
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376500
Test Type: Draw Down
Test Duration: 30
Test Level: 20.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895502
Test Type: Draw Down
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933471441
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 65.0
Water Found Depth UOM: ft

Water Details

Water ID: 933471442
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 113.0
Water Found Depth UOM: ft

Water Details

Water ID: 933471443
Layer: 3
Kind Code: 1
Kind: FRESH
Water Found Depth: 140.0
Water Found Depth UOM: ft

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25 | ***2 of 3*** | ***S/159.9*** | ***94.9 / 0.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID: 1517707
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 02/11/1982
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3504
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517707.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/24/1981
Year Completed:	1981
Depth (m):	10.668
Latitude:	45.1839133376945
Longitude:	-75.8358975722947
X:	-75.83589741105125
Y:	45.18391333084756
Path:	151\1517707.pdf

Bore Hole Information

Bore Hole ID:	10039579	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434329.60
Code OB Desc:		***North83:***	5003721.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	04/24/1981	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4

Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	931036042
Layer:	1
Color:	3
General Color:	BLUE
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931036044
Layer:	3
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	11.0

Formation End Depth:	35.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931036043
Layer:	2
Color:	
General Color:	
Material 1:	12
Material 1 Desc:	STONES
Material 2:	71
Material 2 Desc:	FRACTURED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	9.0
Formation End Depth:	11.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961517707
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10588149
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069183
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	18.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991517707
Pump Set At:	
Static Level:	9.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	25.0
Pumping Rate:	9.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR

Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934646375
Test Type: Recovery
Test Duration: 45
Test Level: 9.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376122
Test Type: Recovery
Test Duration: 30
Test Level: 9.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934895650
Test Type: Recovery
Test Duration: 60
Test Level: 9.0
Test Level UOM: ft

Water Details

Water ID: 933474232
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 25.0
Water Found Depth UOM: ft

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25 | ***3 of 3*** | ***S/159.9*** | ***94.9 / 0.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID: 1517895
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/10/1982
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3504
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517895.pdf

Additional Detail(s) (Map)

Well Completed Date: 03/12/1982
Year Completed: 1982
Depth (m): 16.1544
Latitude: 45.1839133376945
Longitude: -75.8358975722947
X: -75.83589741105125
Y: 45.18391333084756
Path: 151\1517895.pdf

Bore Hole Information

Bore Hole ID: 10039766
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 03/12/1982
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83: 434329.60
North83: 5003721.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931036668
Layer: 1
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931036669
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:

Formation Top Depth: 16.0
Formation End Depth: 53.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961517895
Method Construction Code: 4
Method Construction: Rotary (Air)
Other Method Construction:

Pipe Information

Pipe ID: 10588336
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930069459
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991517895
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 50.0
Recommended Pump Depth: 35.0
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate: 4.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934646970
Test Type: Recovery
Test Duration: 45
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934377135
Test Type: Recovery
Test Duration: 30
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896244
Test Type: Recovery
Test Duration: 60
Test Level: 8.0
Test Level UOM: ft

Water Details

Water ID: 933474485
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 53.0
Water Found Depth UOM: ft

Water Details

Water ID: 933474484
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 24.0
Water Found Depth UOM: ft

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26 | ***1 of 1*** | ***SE/164.2*** | ***94.9 / 0.00*** | ***ON*** | ***WWIS***

Well ID:	1509117	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	06/19/1953
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509117.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/11/1953
Year Completed: 1953

Depth (m): 14.6304
Latitude: 45.1841098929348
Longitude: -75.8348694218683
X: -75.83486926078574
Y: 45.1841098862382
Path: 150\1509117.pdf

Bore Hole Information

Bore Hole ID: 10031151
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 01/11/1953
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434410.60
North83: 5003742.00
Org CS:
UTMRC: 5
UTMRC Desc: margin of error : 100 m - 100 m
Location Method: p5

Overburden and Bedrock Materials Interval

Formation ID: 931011493
Layer: 1
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011494
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 48.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509117
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579721
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054948
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 12.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054949
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 48.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991509117
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 10.0
Recommended Pump Depth:
Pumping Rate: 4.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1
Water State After Test: CLEAR
Pumping Test Method: 1
Pumping Duration HR: 0
Pumping Duration MIN: 30
Flowing: No

Water Details

Water ID: 933463919
Layer: 1
Kind Code: 1

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

Kind: FRESH
Water Found Depth: 40.0
Water Found Depth UOM: ft

---

27 | **1 of 1** | **ESE/169.8** | **93.2 / -1.68** | **1738575 Ontario Inc.**
122 Burke St
Richmond ON K0A 2Z0 | **GEN**

Generator Info

Generator No:	ON9992163	**Choice of Contact:**	
Approval Years:	As of Oct 2022	**Contaminated Fac:**	
Status:	Registered	**MHSW Facility:**	
PO Box No:		**SIC Code:**	
Country:	Canada		
Co Admin:			
Phone No Admin:			
SIC Description:			

Waste Detail(s)

Waste Class: 252 L
Waste Class Name: WASTE OILS & LUBRICANTS

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28 | **1 of 1** | **NE/173.2** | **93.2 / -1.64** | **ON** | **WWIS**

Well ID:	1509296	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	11/30/1965
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1802
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509296.pdf

Additional Detail(s) (Map)

Well Completed Date: 09/25/1965
Year Completed: 1965
Depth (m): 24.384
Latitude: 45.1866755509458
Longitude: -75.834843280806
X: -75.83484312050173
Y: 45.18667554434582
Path: 150\1509296.pdf

Bore Hole Information

Bore Hole ID:	10031329	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434415.60
Code OB Desc:		***North83:***	5004027.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	09/25/1965	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931011867
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011868
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 80.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509296
Method Construction Code: 7
Method Construction: Diamond
Other Method Construction:

Pipe Information

Pipe ID: 10579899
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930055310
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 80.0
Casing Diameter: 7.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930055309
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 16.0
Casing Diameter: 7.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991509296
Pump Set At:
Static Level: 10.0
Final Level After Pumping: 35.0
Recommended Pump Depth: 10.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
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

Water Details

Water ID: 933464118
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 72.0
Water Found Depth UOM: ft

29	*1 of 1*	*S/173.6*	*94.9 / 0.00*	***ALAN MATTHEWS*** ***FORTUNE ST/BURKE ST.(RICHMOND)***	***CA***

GOULBOURN TWP. ON

Certificate #: 3-1791-97-
Application Year: 97
Issue Date: 12/22/1997
Approval Type: Municipal sewage
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

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30 ***1 of 1*** ***SE/175.8*** ***94.9 / 0.00*** ***130 Burke Street lot 23 con 3 RICHMOND ON*** ***WWIS***

Well ID: 7371677
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z344055
Tag: A305145
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 10/30/2020
Selected Flag: TRUE
Abandonment Rec:
Contractor: 7681
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/737\7371677.pdf

Additional Detail(s) (Map)

Well Completed Date: 09/08/2020
Year Completed: 2020
Depth (m): 60.96
Latitude: 45.1839746408435
Longitude: -75.8349005394765
X: -75.83490037842832
Y: 45.18397463419043
Path: 737\7371677.pdf

Bore Hole Information

Bore Hole ID: 1008497516
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:

Elevation:
Elevrc:
Zone: 18
East83: 434408.00
North83: 5003727.00
Org CS: UTM83
UTMRC: 4

Date Completed: 09/08/2020
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Overburden and Bedrock Materials Interval

Formation ID: 1009173019
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 81
Material 2 Desc: SANDY
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 11.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1009173020
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 11.0
Formation End Depth: 163.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 1009173022
Layer: 4
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 180.0
Formation End Depth: 200.0
Formation End Depth UOM: ft

Overburden and Bedrock

Materials Interval

Formation ID:	1009173021
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	163.0
Formation End Depth:	180.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1009173607
Layer:	1
Plug From:	20.0
Plug To:	0.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1009174414
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Method of Construction & Well Use

Method Construction ID:	1009174415
Method Construction Code:	B
Method Construction:	Other Method
Other Method Construction:	surged

Pipe Information

Pipe ID:	1009171646
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1009174870
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2.0
Depth To:	20.0
Casing Diameter:	6.25
Casing Diameter UOM:	Inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID: 1009174871
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 20.0
Depth To: 200.0
Casing Diameter: 6.0
Casing Diameter UOM: Inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc:
Pump Test ID: 1009175693
Pump Set At: 180.0
Static Level: 14.100000381469727
Final Level After Pumping: 26.899999618530273
Recommended Pump Depth: 140.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1009180770
Test Type: Draw Down
Test Duration: 30
Test Level: 26.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180772
Test Type: Draw Down
Test Duration: 50
Test Level: 26.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180778
Test Type: Recovery
Test Duration: 5
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180761
Test Type: Draw Down
Test Duration: 1
Test Level: 20.399999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180768
Test Type: Draw Down
Test Duration: 20
Test Level: 26.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180775
Test Type: Recovery
Test Duration: 2
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180782
Test Type: Recovery
Test Duration: 25
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180784
Test Type: Recovery
Test Duration: 40
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180763
Test Type: Draw Down
Test Duration: 3
Test Level: 24.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180766
Test Type: Draw Down
Test Duration: 10
Test Level: 26.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180777
Test Type: Recovery
Test Duration: 4
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180764
Test Type: Draw Down
Test Duration: 4
Test Level: 24.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180771
Test Type: Draw Down
Test Duration: 40
Test Level: 26.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180769
Test Type: Draw Down
Test Duration: 25
Test Level: 26.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180780
Test Type: Recovery
Test Duration: 15
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180762
Test Type: Draw Down
Test Duration: 2
Test Level: 23.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180767
Test Type: Draw Down
Test Duration: 15
Test Level: 26.700000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180773
Test Type: Draw Down
Test Duration: 60
Test Level: 26.899999618530273
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180776
Test Type: Recovery
Test Duration: 3
Test Level: 14.100000381469727

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180783
Test Type: Recovery
Test Duration: 30
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180785
Test Type: Recovery
Test Duration: 50
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180765
Test Type: Draw Down
Test Duration: 5
Test Level: 25.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180774
Test Type: Recovery
Test Duration: 1
Test Level: 16.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180779
Test Type: Recovery
Test Duration: 10
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180781
Test Type: Recovery
Test Duration: 20
Test Level: 14.100000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1009180786
Test Type: Recovery
Test Duration: 60
Test Level: 14.100000381469727
Test Level UOM: ft

Water Details

Water ID: 1009175331
Layer: 1
Kind Code: 8
Kind: Untested
Water Found Depth: 180.0
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1009174041
Diameter: 6.0
Depth From: 20.0
Depth To: 200.0
Hole Depth UOM: ft
Hole Diameter UOM: Inch

Hole Diameter

Hole ID: 1009174040
Diameter: 9.75
Depth From: 0.0
Depth To: 20.0
Hole Depth UOM: ft
Hole Diameter UOM: Inch

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31 | **1 of 1** | **SE/176.0** | **94.1 / -0.76** | **126 BURKE STREET RICHMOND ON** | **WWIS**

Well ID: 7285368
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: Z237286
Tag: A207744
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 04/18/2017
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1119
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/728\7285368.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/26/2017
Year Completed: 2017
Depth (m): 30.48
Latitude: 45.1841117906925
Longitude: -75.8346097835253
X: -75.8346096234998
Y: 45.18411178444155
Path: 728\7285368.pdf

Bore Hole Information

Bore Hole ID:	1006382521	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434431.00
Code OB Desc:		***North83:***	5003742.00
Open Hole:		***Org CS:***	UTM83
Cluster Kind:		***UTMRC:***	4
Date Completed:	01/26/2017	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1006671527
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	12.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1006671526
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	81
Material 2 Desc:	SANDY
Material 3:	11
Material 3 Desc:	GRAVEL
Formation Top Depth:	0.0
Formation End Depth:	12.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	1006671565
Layer:	1
Plug From:	20.0
Plug To:	0.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	1006671564
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	1006671524
Casing No:	0
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	1006671534
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	20.0
Depth To:	100.0
Casing Diameter:	5.9375
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	1006671533
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	-2.0
Depth To:	20.0
Casing Diameter:	6.25
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Screen

Screen ID:	1006671535
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1006671525
Pump Set At:	80.0
Static Level:	8.583000183105469
Final Level After Pumping:	19.33300018310547
Recommended Pump Depth:	80.0
Pumping Rate:	20.0

Flowing Rate:
Recommended Pump Rate: 20.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 0
Water State After Test:
Pumping Test Method: 0
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing:

Draw Down & Recovery

Pump Test Detail ID: 1006671539
Test Type: Draw Down
Test Duration: 2
Test Level: 16.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671549
Test Type: Draw Down
Test Duration: 15
Test Level: 18.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671550
Test Type: Recovery
Test Duration: 15
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671557
Test Type: Draw Down
Test Duration: 40
Test Level: 19.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671556
Test Type: Recovery
Test Duration: 30
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671559
Test Type: Draw Down
Test Duration: 50
Test Level: 19.200000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671541
Test Type: Draw Down
Test Duration: 3
Test Level: 17.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671545
Test Type: Draw Down
Test Duration: 5
Test Level: 17.600000381469727
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671547
Test Type: Draw Down
Test Duration: 10
Test Level: 18.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671551
Test Type: Draw Down
Test Duration: 20
Test Level: 18.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671560
Test Type: Recovery
Test Duration: 50
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671538
Test Type: Recovery
Test Duration: 1
Test Level: 10.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671542
Test Type: Recovery
Test Duration: 3
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671562
Test Type: Recovery
Test Duration: 60

Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671536
Test Type: Recovery
Test Duration: 0
Test Level: 19.33300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671553
Test Type: Draw Down
Test Duration: 25
Test Level: 18.700000762939453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671558
Test Type: Recovery
Test Duration: 40
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671540
Test Type: Recovery
Test Duration: 2
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671546
Test Type: Recovery
Test Duration: 5
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671548
Test Type: Recovery
Test Duration: 10
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671552
Test Type: Recovery
Test Duration: 20
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671537
Test Type: Draw Down
Test Duration: 1
Test Level: 14.800000190734863
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671543
Test Type: Draw Down
Test Duration: 4
Test Level: 17.299999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671555
Test Type: Draw Down
Test Duration: 30
Test Level: 18.799999237060547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671544
Test Type: Recovery
Test Duration: 4
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671554
Test Type: Recovery
Test Duration: 25
Test Level: 8.699999809265137
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1006671561
Test Type: Draw Down
Test Duration: 60
Test Level: 19.399999618530273
Test Level UOM: ft

Water Details

Water ID: 1006671531
Layer: 2
Kind Code: 8
Kind: Untested
Water Found Depth: 78.0
Water Found Depth UOM: ft

Water Details

Water ID: 1006671530

Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	38.0
Water Found Depth UOM:	ft

Water Details

Water ID:	1006671532
Layer:	3
Kind Code:	8
Kind:	Untested
Water Found Depth:	94.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1006671529
Diameter:	5.9375
Depth From:	20.0
Depth To:	100.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1006671528
Diameter:	9.75
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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32 ***1 of 1*** ***SE/177.9*** ***93.2 / -1.68*** ***ON*** ***WWIS***

Well ID:	1509207	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	01/19/1960
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	3601
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509207.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/21/1959

Year Completed:	1959
Depth (m):	13.4112
Latitude:	45.1842031553236
Longitude:	-75.8344252788658
X:	-75.83442511767856
Y:	45.18420314811163
Path:	150\1509207.pdf

Bore Hole Information

Bore Hole ID:	10031240	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434445.60
Code OB Desc:		**North83:**	5003752.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5
Date Completed:	10/21/1959	**UTMRC Desc:**	margin of error : 100 m - 300 m
Remarks:		**Location Method:**	p5

Location Method Desc:	Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:	
Location Source Date:	
Improvement Location Source:	
Improvement Location Method:	
Source Revision Comment:	
Supplier Comment:	

Overburden and Bedrock Materials Interval

Formation ID:	931011681
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	34.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931011682
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	34.0
Formation End Depth:	44.0
Formation End Depth UOM:	ft

Method of Construction & Well

Use

Method Construction ID: 961509207
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579810
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930055130
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 44.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930055129
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 34.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991509207
Pump Set At:
Static Level:
Final Level After Pumping: 0.0
Recommended Pump Depth: 0.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: Yes

Water Details

Water ID: 933464013
Layer: 1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	44.0
Water Found Depth UOM:	ft

33 **1 of 1** **SSE/178.4** **94.9 / 0.00** **ON** **WWIS**

Well ID:	1510285	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	10/30/1969
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1503
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510285.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/21/1969
Year Completed:	1969
Depth (m):	18.5928
Latitude:	45.1838370807075
Longitude:	-75.8352472941771
X:	-75.83524713341487
Y:	45.1838370739546
Path:	151\1510285.pdf

Bore Hole Information

Bore Hole ID:	10032313	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434380.60
Code OB Desc:		**North83:**	5003712.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	07/21/1969	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931014438
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	09
Material 2 Desc:	MEDIUM SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931014439
Layer:	2
Color:	2
General Color:	GREY
Material 1:	14
Material 1 Desc:	HARDPAN
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	17.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931014440
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	17.0
Formation End Depth:	61.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510285
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580883
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930057225
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	61.0
Casing Diameter:	
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057224
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	BAILER
Pump Test ID:	991510285
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	23.0
Recommended Pump Depth:	30.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	
Water State After Test:	
Pumping Test Method:	2
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933465253
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	60.0
Water Found Depth UOM:	ft

---

34 ***1 of 1*** ***NNE/187.5*** ***92.9 / -2.00*** ***ON*** ***WWIS***

Well ID:	1510629	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Public	***Data Entry Status:***	

Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	07/03/1970
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3644
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1510629.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/09/1970
Year Completed:	1970
Depth (m):	15.24
Latitude:	45.1869863861277
Longitude:	-75.8354206463361
X:	-75.8354204854841
Y:	45.18698637889137
Path:	151\1510629.pdf

Bore Hole Information

Bore Hole ID:	10032655	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434370.60
Code OB Desc:		***North83:***	5004062.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	04/09/1970	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931015408
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	

Formation Top Depth:	16.0
Formation End Depth:	50.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931015407
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961510629
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10581225
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930057884
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	21.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930057885
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991510629
Pump Set At:	
Static Level:	4.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	20.0
Pumping Rate:	20.0
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:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933465657
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	48.0
Water Found Depth UOM:	ft

---

35 ***1 of 1*** ***ENE/196.1*** ***91.6 / -3.27*** ***ON*** ***WWIS***

Well ID:	7410494	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:		***Data Entry Status:***	Yes
Use 2nd:		***Data Src:***	
Final Well Status:		***Date Received:***	02/10/2022
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	Z364719	***Contractor:***	7681
Tag:	A318631	***Form Version:***	7
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

Additional Detail(s) (Map)

Bore Hole ID:	1008960903	***Tag No:***	A318631
Depth M:		***Contractor:***	7681
Year Completed:	2021	***Latitude:***	45.1858922682322
Well Completed Dt:	11/19/2021	***Longitude:***	-75.8336302013819
Audit No:	Z364719	***Y:***	45.185892261302115
Path:		***X:***	-75.83363004050061

Bore Hole Information

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

Bore Hole ID:	1008960903	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434510.00
Code OB Desc:		**North83:**	5003939.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/19/2021	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

36 | ***1 of 1*** | ***NNE/197.2*** | ***92.9 / -2.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID:	1509750	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	10/16/1968
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1503
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	023
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE (GOULBOURN)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509750.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/27/1968
Year Completed:	1968
Depth (m):	14.3256
Latitude:	45.1870763928537
Longitude:	-75.8354219629933
X:	-75.83542180240629
Y:	45.1870763862292
Path:	150\1509750.pdf

Bore Hole Information

Bore Hole ID:	10031782	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434370.60
Code OB Desc:		**North83:**	5004072.00
Open Hole:		**Org CS:**	

Cluster Kind: ***UTMRC:*** 4
Date Completed: 09/27/1968 ***UTMRC Desc:*** margin of error : 30 m - 100 m
Remarks: ***Location Method:*** p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931012955
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 13.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012956
Layer: 2
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 13.0
Formation End Depth: 18.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012957
Layer: 3
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 18.0
Formation End Depth: 47.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961509750
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580352
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056198
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056199
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	47.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509750
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	23.0
Recommended Pump Depth:	35.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464642

Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	46.0
Water Found Depth UOM:	ft

37 **1 of 1** **SSE/199.4** **94.9 / 0.00** **98 FORTUNE STREET RICHMOND ON** **WWIS**

Well ID:	7248793	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	
Final Well Status:	Water Supply	**Date Received:**	09/22/2015
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	Z191516	**Contractor:**	1119
Tag:	A187032	**Form Version:**	7
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:	PLAN U-37		

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7248793.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/30/2015
Year Completed:	2015
Depth (m):	54.5592
Latitude:	45.183657662845
Longitude:	-75.8351632072066
X:	-75.83516304575728
Y:	45.183657656094915
Path:	724\7248793.pdf

Bore Hole Information

Bore Hole ID:	1005699716	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434387.00
Code OB Desc:		**North83:**	5003692.00
Open Hole:		**Org CS:**	UTM83
Cluster Kind:		**UTMRC:**	4
Date Completed:	06/30/2015	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	wwr
Location Method Desc:	on Water Well Record		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	1005727951
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	28
Material 2 Desc:	SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	14.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005727952
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	14.0
Formation End Depth:	156.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005727953
Layer:	3
Color:	1
General Color:	WHITE
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	156.0
Formation End Depth:	173.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	1005727954
Layer:	4
Color:	1
General Color:	WHITE
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	

Material 3 Desc:
Formation Top Depth: 173.0
Formation End Depth: 179.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005727989
Layer: 1
Plug From: 20.0
Plug To: 10.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005727990
Layer: 2
Plug From: 10.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005727988
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 1005727949
Casing No: 0
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005727958
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From: -2.0
Depth To: 20.0
Casing Diameter: 6.25
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 1005727959
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From: 20.0
Depth To: 179.0
Casing Diameter: 6.9375
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Screen

Screen ID:	1005727960
Layer:	
Slot:	
Screen Top Depth:	
Screen End Depth:	
Screen Material:	
Screen Depth UOM:	ft
Screen Diameter UOM:	inch
Screen Diameter:	

Results of Well Yield Testing

Pumping Test Method Desc:	
Pump Test ID:	1005727950
Pump Set At:	160.0
Static Level:	5.420000076293945
Final Level After Pumping:	73.66999816894531
Recommended Pump Depth:	120.0
Pumping Rate:	15.0
Flowing Rate:	
Recommended Pump Rate:	12.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	0
Water State After Test:	
Pumping Test Method:	0
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	

Draw Down & Recovery

Pump Test Detail ID:	1005727961
Test Type:	Draw Down
Test Duration:	1
Test Level:	16.25
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1005727962
Test Type:	Recovery
Test Duration:	1
Test Level:	64.58300018310547
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1005727969
Test Type:	Draw Down
Test Duration:	5
Test Level:	39.5
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	1005727974
Test Type:	Recovery

Test Duration: 15
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727963
Test Type: Draw Down
Test Duration: 2
Test Level: 22.16699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727971
Test Type: Draw Down
Test Duration: 10
Test Level: 54.5
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727975
Test Type: Draw Down
Test Duration: 20
Test Level: 70.58300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727980
Test Type: Recovery
Test Duration: 30
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727964
Test Type: Recovery
Test Duration: 2
Test Level: 53.75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727965
Test Type: Draw Down
Test Duration: 3
Test Level: 30.41699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727968
Test Type: Recovery
Test Duration: 4
Test Level: 24.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727970
Test Type: Recovery
Test Duration: 5
Test Level: 12.333000183105469
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727973
Test Type: Draw Down
Test Duration: 15
Test Level: 66.08300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727984
Test Type: Recovery
Test Duration: 50
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727976
Test Type: Recovery
Test Duration: 20
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727978
Test Type: Recovery
Test Duration: 25
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727966
Test Type: Recovery
Test Duration: 3
Test Level: 41.25
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727972
Test Type: Recovery
Test Duration: 10
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727977

Test Type: Draw Down
Test Duration: 25
Test Level: 72.33300018310547
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727982
Test Type: Recovery
Test Duration: 40
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727986
Test Type: Recovery
Test Duration: 60
Test Level: 5.416999816894531
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727967
Test Type: Draw Down
Test Duration: 4
Test Level: 35.75
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727979
Test Type: Draw Down
Test Duration: 30
Test Level: 73.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727981
Test Type: Draw Down
Test Duration: 40
Test Level: 73.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727983
Test Type: Draw Down
Test Duration: 50
Test Level: 73.66699981689453
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 1005727985
Test Type: Draw Down
Test Duration: 60
Test Level: 73.66699981689453
Test Level UOM: ft

Water Details

Water ID:	1005727957
Layer:	1
Kind Code:	8
Kind:	Untested
Water Found Depth:	173.0
Water Found Depth UOM:	ft

Hole Diameter

Hole ID:	1005727956
Diameter:	5.9375
Depth From:	20.0
Depth To:	179.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

Hole Diameter

Hole ID:	1005727955
Diameter:	9.75
Depth From:	0.0
Depth To:	20.0
Hole Depth UOM:	ft
Hole Diameter UOM:	inch

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38 ***1 of 1*** ***NE/205.8*** ***92.0 / -2.91*** ***ON*** ***BORE***

Borehole ID:	610311	***Inclin FLG:***	No
OGF ID:	215511826	***SP Status:***	Initial Entry
Status:		***Surv Elev:***	No
Type:	Borehole	***Piezometer:***	No
Use:		***Primary Name:***	
Completion Date:		***Municipality:***	
Static Water Level:	1.8	***Lot:***	
Primary Water Use:		***Township:***	
Sec. Water Use:		***Latitude DD:***	45.186814
Total Depth m:	-999	***Longitude DD:***	-75.8344
Depth Ref:	Ground Surface	***UTM Zone:***	18
Depth Elev:		***Easting:***	434451
Drill Method:		***Northing:***	5004042
Orig Ground Elev m:	91.4	***Location Accuracy:***	
Elev Reliabil Note:		***Accuracy:***	Not Applicable
DEM Ground Elev m:	93.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218385239	***Mat Consistency:***	
Top Depth:	0	***Material Moisture:***	
Bottom Depth:	3.7	***Material Texture:***	
Material Color:		***Non Geo Mat Type:***	
Material 1:	Clay	***Geologic Formation:***	
Material 2:		***Geologic Group:***	
Material 3:		***Geologic Period:***	
Material 4:		***Depositional Gen:***	

Gsc Material Description:
Stratum Description: CLAY.

Geology Stratum ID: 218385240
Top Depth: 3.7
Bottom Depth:
Material Color: Brown
Material 1: Bedrock
Material 2: Limestone
Material 3:
Material 4:
Mat Consistency: Stiff
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Gsc Material Description:
Stratum Description: BEDROCK,LIMESTONE. WATER STABLE AT 294.0 FEET.VERY STIFF, WEATHERED. SILT,SAND,CLAY. BROWN,COMP **Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: M
Observatio:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 028190 NTS_Sheet: 31G04F
Confiden 1: Reliable information but incomplete.

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

39	1 of 2	NW/210.4	93.9 / -1.00	lot 23 con 3 ON	WWIS

Well ID: 1531121
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 208593
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/20/2000
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531121.pdf

Additional Detail(s) (Map)

Well Completed Date: 05/27/2000
Year Completed: 2000
Depth (m): 53.34
Latitude: 45.1869536653849
Longitude: -75.8374301341129
X: -75.8374299729941
Y: 45.18695365826649
Path: 153\1531121.pdf

Bore Hole Information

Bore Hole ID: 10052655
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/27/2000
Remarks:
Location Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434212.70
North83: 5004060.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Overburden and Bedrock Materials Interval

Formation ID: 931077595
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 175.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931077594
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116297
Layer:	1
Plug From:	0.0
Plug To:	21.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531121
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10601225
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930092048
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	175.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930092047
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	26.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991531121
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	60.0
Pumping Rate:	12.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM

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

Draw Down & Recovery

Pump Test Detail ID:	934665239
Test Type:	Draw Down
Test Duration:	45
Test Level:	100.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934121102
Test Type:	Draw Down
Test Duration:	15
Test Level:	170.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934396513
Test Type:	Draw Down
Test Duration:	30
Test Level:	150.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934913367
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933491486
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	92.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933491487
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	168.0
Water Found Depth UOM:	ft

39	*2 of 2*	*NW/210.4*	*93.9 / -1.00*	*lot 23 con 3 ON*	*WWIS*

Well ID:	1531125	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	06/20/2000
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	208599	**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	023
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531125.pdf

Additional Detail(s) (Map)

Well Completed Date:	05/29/2000
Year Completed:	2000
Depth (m):	30.48
Latitude:	45.1869536653849
Longitude:	-75.8374301341129
X:	-75.8374299729941
Y:	45.18695365826649
Path:	153\1531125.pdf

Bore Hole Information

Bore Hole ID:	10052659	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434212.70
Code OB Desc:		**North83:**	5004060.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	05/29/2000	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931077605
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73

Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	6.0
Formation End Depth:	100.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931077604
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	6.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116301
Layer:	1
Plug From:	0.0
Plug To:	21.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531125
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10601229
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930092055
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	23.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID: 930092056
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 100.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531125
Pump Set At:
Static Level: 23.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 75.0
Pumping Rate: 7.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934121106
Test Type: Draw Down
Test Duration: 15
Test Level: 96.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934396517
Test Type: Draw Down
Test Duration: 30
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934665243
Test Type: Draw Down
Test Duration: 45
Test Level: 60.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934913371
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Water Details

Water ID:	933491492
Layer:	2
Kind Code:	5
Kind:	Not stated
Water Found Depth:	89.0
Water Found Depth UOM:	ft

Water Details

Water ID:	933491491
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	32.0
Water Found Depth UOM:	ft

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40 | ***1 of 7*** | ***NW/210.4*** | ***93.9 / -1.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID:	1530924	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	12/07/1999
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	208457	***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1530924.pdf

Additional Detail(s) (Map)

Well Completed Date:	09/13/1999
Year Completed:	1999
Depth (m):	38.1
Latitude:	45.1869536560518
Longitude:	-75.8374314069124
X:	-75.83743124590644
Y:	45.18695364940278
Path:	153\1530924.pdf

Bore Hole Information

Bore Hole ID:	10052458	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434212.60

Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 09/13/1999
Remarks:
Location Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
North83: 5004060.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Overburden and Bedrock Materials Interval

Formation ID: 931076965
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 27.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076963
Layer: 1
Color: 6
General Color: BROWN
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931076964
Layer: 2
Color: 2
General Color: GREY
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 10.0
Formation End Depth: 27.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116095
Layer:	1
Plug From:	0.0
Plug To:	30.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961530924
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10601028
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930091637
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	125.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930091636
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	32.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991530924
Pump Set At:	
Static Level:	17.0
Final Level After Pumping:	75.0
Recommended Pump Depth:	90.0
Pumping Rate:	20.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft

Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934119536
Test Type:	Recovery
Test Duration:	15
Test Level:	19.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934386274
Test Type:	Recovery
Test Duration:	30
Test Level:	18.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903826
Test Type:	Recovery
Test Duration:	60
Test Level:	18.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934664647
Test Type:	Recovery
Test Duration:	45
Test Level:	18.0
Test Level UOM:	ft

Water Details

Water ID:	933491225
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	107.0
Water Found Depth UOM:	ft

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40 | ***2 of 7*** | ***NW/210.4*** | ***93.9 / -1.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID:	1524370	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	04/02/1990
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	66567	**Contractor:**	1558
Tag:		**Form Version:**	1

Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1524370.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/09/1990
Year Completed:	1990
Depth (m):	70.104
Latitude:	45.1869536560518
Longitude:	-75.8374314069124
X:	-75.83743124590644
Y:	45.18695364940278
Path:	152\1524370.pdf

Bore Hole Information

Bore Hole ID:	10046120	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434212.60
Code OB Desc:		***North83:***	5004060.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	01/09/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931057639
Layer:	2
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	25.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931057640
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	25.0
Formation End Depth:	190.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931057641
Layer:	4
Color:	2
General Color:	GREY
Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	74
Material 2 Desc:	LAYERED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	190.0
Formation End Depth:	230.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931057638
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	10.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961524370
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10594690
Casing No:	1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930080742
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	230.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930080741
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	27.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991524370
Pump Set At:	
Static Level:	0.0
Final Level After Pumping:	20.0
Recommended Pump Depth:	30.0
Pumping Rate:	30.0
Flowing Rate:	30.0
Recommended Pump Rate:	5.0
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:	
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934108343
Test Type:	Draw Down
Test Duration:	15
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934653539
Test Type:	Draw Down
Test Duration:	45
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934392571
Test Type:	Draw Down
Test Duration:	30
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934910738
Test Type:	Draw Down
Test Duration:	60
Test Level:	20.0
Test Level UOM:	ft

Water Details

Water ID:	933482981
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	228.0
Water Found Depth UOM:	ft

40 ***3 of 7*** ***NW/210.4*** ***93.9 / -1.00*** ***lot 23 con 3 ON*** ***WWIS***

Well ID:	1524683	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	08/15/1990
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	84340	***Contractor:***	5222
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1524683.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/22/1990
Year Completed:	1990
Depth (m):	18.288
Latitude:	45.1869536560518
Longitude:	-75.8374314069124
X:	-75.83743124590644
Y:	45.18695364940278
Path:	152\1524683.pdf

Bore Hole Information

Bore Hole ID:	10046431	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434212.60
Code OB Desc:		***North83:***	5004060.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	06/22/1990	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931058746
Layer:	3
Color:	6
General Color:	BROWN
Material 1:	28
Material 1 Desc:	SAND
Material 2:	11
Material 2 Desc:	GRAVEL
Material 3:	10
Material 3 Desc:	COARSE SAND
Formation Top Depth:	14.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931058747
Layer:	4
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	78
Material 2 Desc:	MEDIUM-GRAINED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	60.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931058745
Layer:	2
Color:	6
General Color:	BROWN
Material 1:	05

Material 1 Desc: CLAY
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 1.0
Formation End Depth: 14.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931058744
Layer: 1
Color: 6
General Color: BROWN
Material 1: 02
Material 1 Desc: TOPSOIL
Material 2: 79
Material 2 Desc: PACKED
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 1.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933110901
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961524683
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595001
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930081295
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

Construction Record - Casing

Casing ID:	930081296
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991524683
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	25.0
Pumping Rate:	50.0
Flowing Rate:	
Recommended Pump Rate:	8.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	2
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934109456
Test Type:	Draw Down
Test Duration:	15
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934654647
Test Type:	Draw Down
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934903025
Test Type:	Draw Down
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384869
Test Type:	Draw Down
Test Duration:	30

Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933483387
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 46.0
Water Found Depth UOM: ft

Water Details

Water ID: 933483386
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 37.0
Water Found Depth UOM: ft

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40 | **4 of 7** | **NW/210.4** | **93.9 / -1.00** | **lot 23 con 3 ON** | **WWIS**

Well ID: 1525377
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 100002
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 05/29/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1525377.pdf

Additional Detail(s) (Map)

Well Completed Date: 01/23/1991
Year Completed: 1991
Depth (m): 38.1
Latitude: 45.1869536560518
Longitude: -75.8374314069124
X: -75.83743124590644
Y: 45.18695364940278
Path: 152\1525377.pdf

Bore Hole Information

Bore Hole ID: 10047115
DP2BR:
Elevation:
Elevrc:

Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434212.60
Code OB Desc:		**North83:**	5004060.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	9
Date Completed:	01/23/1991	**UTMRC Desc:**	unknown UTM
Remarks:		**Location Method:**	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931060953
Layer:	3
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	78
Material 2 Desc:	MEDIUM-GRAINED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	22.0
Formation End Depth:	125.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931060951
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	79
Material 2 Desc:	PACKED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	13.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931060952
Layer:	2
Color:	2
General Color:	GREY
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	13.0

Formation End Depth: 22.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525377
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10595685
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082480
Layer: 1
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 24.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082481
Layer: 2
Material:
Open Hole or Material:
Depth From:
Depth To: 125.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991525377
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 30.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
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:	934648151
Test Type:	Draw Down
Test Duration:	45
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934112206
Test Type:	Draw Down
Test Duration:	15
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934387611
Test Type:	Draw Down
Test Duration:	30
Test Level:	20.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934905750
Test Type:	Draw Down
Test Duration:	60
Test Level:	20.0
Test Level UOM:	ft

Water Details

Water ID:	933484350
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	120.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
40	5 of 7	NW/210.4	93.9 / -1.00	lot 23 con 3 ON	WWIS

Well ID:	1526716	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	12/08/1992
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	60396	***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	

Clear/Cloudy:
UTM Reliability:
Municipality: GOULBOURN TOWNSHIP
Site Info:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1526716.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/16/1992
Year Completed: 1992
Depth (m): 15.24
Latitude: 45.1869536560518
Longitude: -75.8374314069124
X: -75.83743124590644
Y: 45.18695364940278
Path: 152\1526716.pdf

Bore Hole Information

Bore Hole ID: 10048407
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/16/1992
Remarks:
Location Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434212.60
North83: 5004060.00
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: lot

Overburden and Bedrock Materials Interval

Formation ID: 931064954
Layer: 4
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 29.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931064952
Layer: 2
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY

Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 6.0
Formation End Depth: 12.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931064953
Layer: 3
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 12.0
Formation End Depth: 29.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931064951
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 12
Material 2 Desc: STONES
Material 3: 05
Material 3 Desc: CLAY
Formation Top Depth: 0.0
Formation End Depth: 6.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111906
Layer: 1
Plug From: 0.0
Plug To: 31.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961526716
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10596977

Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930084752
Layer: 1
Material: 2
Open Hole or Material: GALVANIZED
Depth From:
Depth To: 31.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930084753
Layer: 2
Material: 5
Open Hole or Material: PLASTIC
Depth From:
Depth To: 50.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991526716
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 8.0
Recommended Pump Depth: 25.0
Pumping Rate: 20.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 934652612
Test Type: Draw Down
Test Duration: 45
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934392099
Test Type: Draw Down
Test Duration: 30
Test Level: 8.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934108464
Test Type: Draw Down
Test Duration: 15
Test Level: 8.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934910229
Test Type: Draw Down
Test Duration: 60
Test Level: 8.0
Test Level UOM: ft

Water Details

Water ID: 933486113
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 37.0
Water Found Depth UOM: ft

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40 | ***6 of 7*** | ***NW/210.4*** | ***93.9 / -1.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID:	1529019	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	08/13/1996
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	167097	***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1529019.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/17/1996
Year Completed: 1996
Depth (m): 76.2
Latitude: 45.1869536560518
Longitude: -75.8374314069124
X: -75.83743124590644
Y: 45.18695364940278

Path: 152\1529019.pdf

Bore Hole Information

Bore Hole ID:	10050555	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434212.60
Code OB Desc:		***North83:***	5004060.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	07/17/1996	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	lot
Location Method Desc:	Lot centroid		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931071483
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	9.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931071484
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	78
Material 2 Desc:	MEDIUM-GRAINED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	9.0
Formation End Depth:	160.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931071485
Layer:	3
Color:	2
General Color:	GREY

Material 1:	18
Material 1 Desc:	SANDSTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	160.0
Formation End Depth:	250.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933114029
Layer:	1
Plug From:	0.0
Plug To:	24.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961529019
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10599125
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930088351
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930088352
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	250.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP

Pump Test ID: 991529019
Pump Set At:
Static Level: 8.0
Final Level After Pumping: 25.0
Recommended Pump Depth: 125.0
Pumping Rate: 25.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934907607
Test Type:
Test Duration: 60
Test Level: 25.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105860
Test Type:
Test Duration: 15
Test Level: 245.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934659635
Test Type:
Test Duration: 45
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934389486
Test Type:
Test Duration: 30
Test Level: 175.0
Test Level UOM: ft

Water Details

Water ID: 933488948
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 219.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488949

Layer: 3
Kind Code: 5
Kind: Not stated
Water Found Depth: 241.0
Water Found Depth UOM: ft

Water Details

Water ID: 933488947
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 68.0
Water Found Depth UOM: ft

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40 | ***7 of 7*** | ***NW/210.4*** | ***93.9 / -1.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID:	1529716	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:		***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	12/22/1997
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:	183350	***Contractor:***	1558
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/152\1529716.pdf

Additional Detail(s) (Map)

Well Completed Date: 10/06/1997
Year Completed: 1997
Depth (m): 45.1104
Latitude: 45.1869536560518
Longitude: -75.8374314069124
X: -75.83743124590644
Y: 45.18695364940278
Path: 152\1529716.pdf

Bore Hole Information

Bore Hole ID:	10051251	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434212.60
Code OB Desc:		***North83:***	5004060.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	10/06/1997	***UTMRC Desc:***	unknown UTM

Remarks: ***Location Method:*** lot
Location Method Desc: Lot centroid
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931073606
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931073607
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 78
Material 2 Desc: MEDIUM-GRAINED
Material 3: 73
Material 3 Desc: HARD
Formation Top Depth: 16.0
Formation End Depth: 148.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933114780
Layer: 1
Plug From: 21.0
Plug To: 0.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961529716
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10599821
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930089455
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

Construction Record - Casing

Casing ID: 930089456
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 148.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991529716
Pump Set At:
Static Level: 16.0
Final Level After Pumping: 95.0
Recommended Pump Depth: 125.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code:
Water State After Test:
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934660803
Test Type: Recovery
Test Duration: 45
Test Level: 16.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909340
Test Type: Recovery
Test Duration: 60

Test Level: 16.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934116667
Test Type: Recovery
Test Duration: 15
Test Level: 37.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934391641
Test Type: Recovery
Test Duration: 30
Test Level: 22.0
Test Level UOM: ft

Water Details

Water ID: 933489753
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 140.0
Water Found Depth UOM: ft

---

41 | **1 of 1** | **SSE/212.1** | **94.1 / -0.78** | **98 FORTUNE STREET RICHMOND ON** | **WWIS**

Well ID: 7248735
Construction Date:
Use 1st:
Use 2nd:
Final Well Status: Abandoned-Other
Water Type:
Casing Material:
Audit No: Z191504
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info: PART U-37

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src:
Date Received: 09/22/2015
Selected Flag: TRUE
Abandonment Rec: Yes
Contractor: 1119
Form Version: 7
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/724\7248735.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/08/2015
Year Completed: 2015
Depth (m):
Latitude: 45.1835870533606
Longitude: -75.8349712455546
X: -75.8349710848336

Y: 45.18358704608694
Path: 724\7248735.pdf

Bore Hole Information

Bore Hole ID: 1005698636
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/08/2015
Remarks:
Location Method Desc: on Water Well Record
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434402.00
North83: 5003684.00
Org CS: UTM83
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: wwr

Annular Space/Abandonment Sealing Record

Plug ID: 1005722234
Layer: 1
Plug From: 0.0
Plug To: 20.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005722236
Layer: 2
Plug From: 5.0
Plug To: 0.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 1005722235
Layer: 1
Plug From: 20.0
Plug To: 5.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 1005722233
Method Construction Code:
Method Construction:
Other Method Construction:

Pipe Information

Pipe ID: 1005722227
Casing No: 0

Comment:
Alt Name:

Construction Record - Casing

Casing ID: 1005722231
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: 1005722232
Layer:
Slot:
Screen Top Depth:
Screen End Depth:
Screen Material:
Screen Depth UOM: ft
Screen Diameter UOM: inch
Screen Diameter:

Water Details

Water ID: 1005722230
Layer:
Kind Code:
Kind:
Water Found Depth:
Water Found Depth UOM: ft

Hole Diameter

Hole ID: 1005722229
Diameter:
Depth From:
Depth To:
Hole Depth UOM: ft
Hole Diameter UOM: inch

---

42 | ***1 of 3*** | ***E/215.3*** | ***91.5 / -3.42*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID: 1517896
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/10/1982
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3504
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON

Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1517896.pdf

Additional Detail(s) (Map)

Well Completed Date:	03/12/1982
Year Completed:	1982
Depth (m):	15.8496
Latitude:	45.1848320086961
Longitude:	-75.8333652395092
X:	-75.83336507899119
Y:	45.18483200209831
Path:	151\1517896.pdf

Bore Hole Information

Bore Hole ID:	10039767	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434529.60
Code OB Desc:		**North83:**	5003821.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	03/12/1982	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931036671
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	52.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931036670
Layer:	1
Color:	

General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961517896
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10588337
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930069460
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	17.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991517896
Pump Set At:	
Static Level:	9.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	45.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	1
Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934377136
Test Type:	Recovery

Test Duration: 30
Test Level: 9.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934896245
Test Type: Recovery
Test Duration: 60
Test Level: 9.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934646971
Test Type: Recovery
Test Duration: 45
Test Level: 9.0
Test Level UOM: ft

Water Details

Water ID: 933474486
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 25.0
Water Found Depth UOM: ft

Water Details

Water ID: 933474487
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 52.0
Water Found Depth UOM: ft

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42 | ***2 of 3*** | ***E/215.3*** | ***91.5 / -3.42*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID: 1518349
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/04/1983
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3142
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518349.pdf

Additional Detail(s) (Map)

Well Completed Date: 07/28/1983
Year Completed: 1983
Depth (m): 25.6032
Latitude: 45.1848320086961
Longitude: -75.8333652395092
X: -75.83336507899119
Y: 45.18483200209831
Path: 151\1518349.pdf

Bore Hole Information

Bore Hole ID: 10040219
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 07/28/1983
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434529.60
North83: 5003821.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931038169
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 84.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931038167
Layer: 1
Color: 6
General Color: BROWN
Material 1: 28
Material 1 Desc: SAND
Material 2: 05
Material 2 Desc: CLAY
Material 3: 79
Material 3 Desc: PACKED

Formation Top Depth:	0.0
Formation End Depth:	8.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931038168
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	8.0
Formation End Depth:	16.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961518349
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10588789
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930070204
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	84.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930070203
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

Pumping Test Method Desc: BAILER
Pump Test ID: 991518349
Pump Set At:
Static Level: 22.0
Final Level After Pumping: 47.0
Recommended Pump Depth: 60.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934103665
Test Type: Draw Down
Test Duration: 15
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934378834
Test Type: Draw Down
Test Duration: 30
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934639894
Test Type: Draw Down
Test Duration: 45
Test Level: 47.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934898354
Test Type: Draw Down
Test Duration: 60
Test Level: 47.0
Test Level UOM: ft

Water Details

Water ID: 933475040
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 82.0
Water Found Depth UOM: ft

Water Details

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

Water ID: 933475039
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 35.0
Water Found Depth UOM: ft

---

42 **3 of 3** **E/215.3** **91.5 / -3.42** **lot 23 con 3 ON** **WWIS**

Well ID: 1519329
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 10/01/1984
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4875
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1519329.pdf

Additional Detail(s) (Map)

Well Completed Date: 08/25/1984
Year Completed: 1984
Depth (m): 16.1544
Latitude: 45.1848320086961
Longitude: -75.8333652395092
X: -75.83336507899119
Y: 45.18483200209831
Path: 151\1519329.pdf

Bore Hole Information

Bore Hole ID: 10041199
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 08/25/1984
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Elevation:
Elevrc:
Zone: 18
East83: 434529.60
North83: 5003821.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID:	931041331
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	81
Material 2 Desc:	SANDY
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	7.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931041332
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	7.0
Formation End Depth:	53.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961519329
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10589769
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930071938
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	53.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930071937
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	16.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991519329
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	45.0
Recommended Pump Depth:	30.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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:	934652139
Test Type:	Recovery
Test Duration:	45
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934107987
Test Type:	Recovery
Test Duration:	15
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934901807
Test Type:	Recovery
Test Duration:	60
Test Level:	10.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934382723
Test Type:	Recovery
Test Duration:	30

Test Level: 10.0
Test Level UOM: ft

Water Details

Water ID: 933476281
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 43.0
Water Found Depth UOM: ft

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43 | **1 of 1** | **SSE/216.6** | **94.9 / 0.00** | **ON** | **WWIS**

Well ID: 1514852
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 08/15/1975
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3644
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1514852.pdf

Additional Detail(s) (Map)

Well Completed Date: 06/13/1975
Year Completed: 1975
Depth (m): 22.86
Latitude: 45.1834770535738
Longitude: -75.8352420292812
X: -75.83524186842104
Y: 45.183477047322214
Path: 151\1514852.pdf

Bore Hole Information

Bore Hole ID: 10036821
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/13/1975
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:

Elevation:
Elevrc:
Zone: 18
East83: 434380.60
North83: 5003672.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

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

Overburden and Bedrock Materials Interval

Formation ID: 931027513
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931027514
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 75.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961514852
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10585391
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930065098
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:

Depth To:	21.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991514852
Pump Set At:	
Static Level:	6.0
Final Level After Pumping:	30.0
Recommended Pump Depth:	30.0
Pumping Rate:	4.0
Flowing Rate:	
Recommended Pump Rate:	3.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934644664
Test Type:	Draw Down
Test Duration:	45
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934384097
Test Type:	Draw Down
Test Duration:	30
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934100664
Test Type:	Draw Down
Test Duration:	15
Test Level:	30.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934893789
Test Type:	Draw Down
Test Duration:	60
Test Level:	30.0
Test Level UOM:	ft

Water Details

Water ID:	933470827
Layer:	1

Kind Code:	1
Kind:	FRESH
Water Found Depth:	72.0
Water Found Depth UOM:	ft

44 **1 of 1** **N/217.4** **91.5 / -3.41** **con 3 ON** **WWIS**

Well ID:	1531857	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:		**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	05/25/2001
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:	230057	**Contractor:**	1558
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/153\1531857.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/03/2001
Year Completed:	2001
Depth (m):	22.86
Latitude:	45.187306722111
Longitude:	-75.8359294182709
X:	-75.83592925692987
Y:	45.187306714938856
Path:	153\1531857.pdf

Bore Hole Information

Bore Hole ID:	10053391	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434331.00
Code OB Desc:		**North83:**	5004098.00
Open Hole:		**Org CS:**	N83
Cluster Kind:		**UTMRC:**	3
Date Completed:	04/03/2001	**UTMRC Desc:**	margin of error : 10 - 30 m
Remarks:		**Location Method:**	
Location Method Desc:			
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931079723
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	12
Material 2 Desc:	STONES
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931079724
Layer:	2
Color:	2
General Color:	GREY
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	73
Material 2 Desc:	HARD
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	75.0
Formation End Depth UOM:	ft

Annular Space/Abandonment Sealing Record

Plug ID:	933116994
Layer:	1
Plug From:	0.0
Plug To:	21.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961531857
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10601961
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930093557
Layer:	1
Material:	1

Open Hole or Material: STEEL
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930093558
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To:
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991531857
Pump Set At:
Static Level: 9.0
Final Level After Pumping: 30.0
Recommended Pump Depth: 50.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN:
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934915520
Test Type: Draw Down
Test Duration: 60
Test Level: 30.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934114634
Test Type: Draw Down
Test Duration: 15
Test Level: 73.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934398806
Test Type: Draw Down
Test Duration: 30
Test Level: 73.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID:	934658769
Test Type:	Draw Down
Test Duration:	45
Test Level:	50.0
Test Level UOM:	ft

Water Details

Water ID:	933492463
Layer:	1
Kind Code:	5
Kind:	Not stated
Water Found Depth:	67.0
Water Found Depth UOM:	ft

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45 ***1 of 1*** ***S/217.7*** ***94.9 / 0.00*** ***ON*** ***WWIS***

Well ID:	1515320	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	05/06/1976
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3644
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1515320.pdf

Additional Detail(s) (Map)

Well Completed Date:	04/27/1976
Year Completed:	1976
Depth (m):	38.1
Latitude:	45.1833908326469
Longitude:	-75.8359535682924
X:	-75.83595340756003
Y:	45.18339082636792
Path:	151\1515320.pdf

Bore Hole Information

Bore Hole ID:	10037277	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434324.60
Code OB Desc:		***North83:***	5003663.00

Open Hole: ***Org CS:***
Cluster Kind: ***UTMRC:*** 4
Date Completed: 04/27/1976 ***UTMRC Desc:*** margin of error : 30 m - 100 m
Remarks: ***Location Method:*** p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931028872
Layer: 3
Color: 1
General Color: WHITE
Material 1: 46
Material 1 Desc: QUARTZ
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 122.0
Formation End Depth: 125.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931028870
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931028871
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 10.0
Formation End Depth: 122.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID:	961515320
Method Construction Code:	5
Method Construction:	Air Percussion
Other Method Construction:	

Pipe Information

Pipe ID:	10585847
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930065824
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	25.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991515320
Pump Set At:	
Static Level:	15.0
Final Level After Pumping:	50.0
Recommended Pump Depth:	50.0
Pumping Rate:	8.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934895464
Test Type:	Draw Down
Test Duration:	60
Test Level:	50.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934100121
Test Type:	Draw Down
Test Duration:	15
Test Level:	50.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934376461
Test Type: Draw Down
Test Duration: 30
Test Level: 50.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934646337
Test Type: Draw Down
Test Duration: 45
Test Level: 50.0
Test Level UOM: ft

Water Details

Water ID: 933471382
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 124.0
Water Found Depth UOM: ft

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46 | ***1 of 1*** | ***S/218.8*** | ***94.9 / 0.00*** | ***ON*** | ***BORE***

Borehole ID: 610296
OGF ID: 215511812
Status:
Type: Borehole
Use: Geotechnical/Geological Investigation
Completion Date: SEP-1971
Static Water Level:
Primary Water Use: Not Used
Sec. Water Use:
Total Depth m: 3.1
Depth Ref: Ground Surface
Depth Elev:
Drill Method: Power auger
Orig Ground Elev m: 95
Elev Reliabil Note:
DEM Ground Elev m: 95.7
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.183383
Longitude DD: -75.835877
UTM Zone: 18
Easting: 434331
Northing: 5003662
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218385201
Top Depth: 0
Bottom Depth: .2
Material Color: Brown
Material 1:
Material 2: Sand
Material 3: Gravel
Material 4:
Gsc Material Description:

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

Stratum Description: ARTIFICIAL,SAND, GRAVEL. BROWN.

Geology Stratum ID: 218385202
Top Depth: .2
Bottom Depth: 1.1
Material Color: Brown
Material 1: Silt
Material 2: Sand
Material 3: Clay
Material 4:
Gsc Material Description:
Mat Consistency: Compact
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: SILT,SAND,CLAY. BROWN,COMPACT.

Geology Stratum ID: 218385203
Top Depth: 1.1
Bottom Depth: 3.1
Material Color: Brown
Material 1: Silt
Material 2: Sand
Material 3: Till
Material 4:
Gsc Material Description:
Mat Consistency: Dense
Material Moisture:
Material Texture:
Non Geo Mat Type:
Geologic Formation:
Geologic Group:
Geologic Period:
Depositional Gen:
Stratum Description: SILT,SAND,TILL. BROWN,VERY DENSE. 00035057027VERY DENSE. 00015016000800216500. STONE. G
**Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Appl: Spatial/Tabular
Source Iden: 1
Scale or Res: Varies
Horizontal: NAD27
Verticalda: Mean Average Sea Level
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA1.txt RecordID: 028040 NTS_Sheet: 31G04
Confiden 1: Logged by professional. Exact and complete description of material and properties.

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada
Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

47	1 of 1	S/219.1	94.9 / 0.00	lot 23 con 3 ON	WWIS

Well ID: 1509730
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 01/08/1969
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1503
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot: 023
Concession: 03
Concession Name: CON
Easting NAD83:

Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: RICHMOND VILLAGE (GOULBOURN)
Site Info:
Northing NAD83:
Zone:
UTM Reliability:

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509730.pdf

Additional Detail(s) (Map)

Well Completed Date: 11/01/1968
Year Completed: 1968
Depth (m): 16.1544
Latitude: 45.1833805275706
Longitude: -75.8361316174008
X: -75.83613145628628
Y: 45.183380520928495
Path: 150\1509730.pdf

Bore Hole Information

Bore Hole ID: 10031762
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 11/01/1968
Remarks:
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:
Elevation:
Elevrc:
Zone: 18
East83: 434310.60
North83: 5003662.00
Org CS:
UTMRC: 4
UTMRC Desc: margin of error : 30 m - 100 m
Location Method: p4

Overburden and Bedrock Materials Interval

Formation ID: 931012905
Layer: 1
Color:
General Color:
Material 1: 05
Material 1 Desc: CLAY
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 10.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931012906
Layer: 2
Color:
General Color:

Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	10.0
Formation End Depth:	53.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961509730
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580332
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056161
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	53.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056160
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509730
Pump Set At:	
Static Level:	12.0
Final Level After Pumping:	21.0
Recommended Pump Depth:	30.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM

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

Water Details

Water ID:	933464622
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	52.0
Water Found Depth UOM:	ft

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48 ***1 of 1*** ***ENE/221.4*** ***91.4 / -3.43*** ***ON*** ***WWIS***

Well ID:	1509288	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	09/21/1964
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	4824
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	
Depth to Bedrock:		**Concession:**	
Well Depth:		**Concession Name:**	
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509288.pdf

Additional Detail(s) (Map)

Well Completed Date:	07/14/1964
Year Completed:	1964
Depth (m):	15.24
Latitude:	45.1860561940277
Longitude:	-75.833370373375
X:	-75.83337021185987
Y:	45.18605618743656
Path:	150\1509288.pdf

Bore Hole Information

Bore Hole ID:	10031321	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434530.60
Code OB Desc:		**North83:**	5003957.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	5

Date Completed: 07/14/1964 ***UTMRC Desc:*** margin of error : 100 m - 300 m
Remarks: ***Location Method:*** p5
Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931011849
Layer: 1
Color:
General Color:
Material 1: 14
Material 1 Desc: HARDPAN
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931011850
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509288
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579891
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930055293

Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	15.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930055294
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50.0
Casing Diameter:	4.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509288
Pump Set At:	
Static Level:	10.0
Final Level After Pumping:	12.0
Recommended Pump Depth:	45.0
Pumping Rate:	5.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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

Water Details

Water ID:	933464108
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	35.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
49	1 of 1	N/223.0	91.5 / -3.39	lot 23 con 3 ON	WWIS

Well ID:	1509735	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	01/08/1969
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1503
Tag:		**Form Version:**	1

Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE (GOULBOURN)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509735.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/05/1968
Year Completed:	1968
Depth (m):	14.9352
Latitude:	45.1873445505595
Longitude:	-75.8356804747604
X:	-75.8356803140808
Y:	45.187344544114744
Path:	150\1509735.pdf

Bore Hole Information

Bore Hole ID:	10031767	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434350.60
Code OB Desc:		***North83:***	5004102.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	11/05/1968	***UTMRC Desc:***	margin of error : 30 m - 100 m
Remarks:		***Location Method:***	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931012917
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	49.0
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931012916
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961509735
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580337
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056170
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	22.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056171
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	49.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509735
Pump Set At:	
Static Level:	5.0
Final Level After Pumping:	19.0

Recommended Pump Depth:	30.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464627
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	47.0
Water Found Depth UOM:	ft

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50 | ***1 of 1*** | ***S/230.4*** | ***94.9 / 0.00*** | ***lot 23 con 3 ON*** | ***WWIS***

Well ID:	1509984	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	04/02/1969
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1503
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	023
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE (GOULBOURN)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509984.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/14/1969
Year Completed:	1969
Depth (m):	18.288
Latitude:	45.183294246908
Longitude:	-75.8356212124468
X:	-75.83562105078582
Y:	45.18329424025861
Path:	150\1509984.pdf

Bore Hole Information

Bore Hole ID:	10032016	**Elevation:**	

DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434350.60
Code OB Desc:		**North83:**	5003652.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	01/14/1969	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4

Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931013567
Layer: 2
Color:
General Color:
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 16.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931013566
Layer: 1
Color:
General Color:
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 13
Material 2 Desc: BOULDERS
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 16.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509984
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10580586
Casing No: 1

Comment:
Alt Name:

Construction Record - Casing

Casing ID:	930056654
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930056653
Layer:	1
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	20.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991509984
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	40.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
Levels UOM:	ft
Rate UOM:	GPM
Water State After Test Code:	2
Water State After Test:	CLOUDY
Pumping Test Method:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Water Details

Water ID:	933464904
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	58.0
Water Found Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
51	*1 of 2*	*S/239.9*	*94.9 / 0.00*	***136 Burke Street West, Richmond Ottawa ON***	***SPL***

Ref No: 6522-74SK6V
Year:
Incident Dt:
Municipality No:
Nature of Damage:
Discharger Report:

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

Dt MOE Arvl on Scn:		**Material Group:**	Oil
MOE Reported Dt:	7/4/2007	**Impact to Health:**	
Dt Document Closed:		**Agency Involved:**	
Site No:			
MOE Response:			
Site County/District:			
Site Geo Ref Meth:			
Site District Office:			
Nearest Watercourse:			
Site Name:	S. 21(1)(f) residence<UNOFFICIAL>		
Site Address:			
Site Region:			
Site Municipality:	Ottawa		
Site Lot:			
Site Conc:			
Site Geo Ref Accu:			
Site Map Datum:			
Northing:			
Easting:			
Entity Operating Name:			
Client Name:			
Client Type:			
Source Type:			
Incident Cause:	Tank (Above Ground) Leak		
Incident Preceding Spill:			
Incident Reason:	Spill		
Incident Summary:	furnace oil tank leak, contained & cleaned		
Environment Impact:	Not Anticipated		
Health Env Consequence:			
Nature of Impact:	Soil Contamination		
Contaminant Qty:	30 L		
Contaminant Qty 1:	30		
Contaminant Unit:	L		
Contaminant Code:	13		
Contaminant Name:	FURNACE OIL		
Contaminant Limit 1:			
Contam Limit Freq 1:			
Contaminant UN No 1:			
Receiving Medium:	Land		
Activity Preceding Spill:			
Property 2nd Watershed:			
Property Tertiary Watershed:			
Sector Type:	Other		
SAC Action Class:			
Call Report Locatn Geodata:			
Time Reported:			
System Facility Address:			

51	***2 of 2***	***S/239.9***	***94.9 / 0.00***	***136 BURKE STREET WEST RICHMOND ON***	***HINC***

External File Num:	FS INC 0707-03449
Fuel Occurrence Type:	Leak
Date of Occurrence:	7/3/2007
Fuel Type Involved:	Fuel Oil
Status Desc:	Completed - No Action Required
Job Type Desc:	Incident/Near-Miss Occurrence (FS)
Oper. Type Involved:	Private Dwelling
Service Interruptions:	No
Property Damage:	No
Fuel Life Cycle Stage:	Utilization
Root Cause:	
Reported Details:	
Fuel Category:	Liquid Fuel

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

52 | **1 of 1** | **SSE/245.9** | **94.9 / 0.00** | **lot 23 con 3 ON** | **WWIS**

Well ID:	1509726	**Flowing (Y/N):**	
Construction Date:		**Flow Rate:**	
Use 1st:	Domestic	**Data Entry Status:**	
Use 2nd:	0	**Data Src:**	1
Final Well Status:	Water Supply	**Date Received:**	01/08/1969
Water Type:		**Selected Flag:**	TRUE
Casing Material:		**Abandonment Rec:**	
Audit No:		**Contractor:**	1503
Tag:		**Form Version:**	1
Constructn Method:		**Owner:**	
Elevation (m):		**County:**	OTTAWA-CARLETON
Elevatn Reliabilty:		**Lot:**	023
Depth to Bedrock:		**Concession:**	03
Well Depth:		**Concession Name:**	CON
Overburden/Bedrock:		**Easting NAD83:**	
Pump Rate:		**Northing NAD83:**	
Static Water Level:		**Zone:**	
Clear/Cloudy:		**UTM Reliability:**	
Municipality:	RICHMOND VILLAGE (GOULBOURN)		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509726.pdf

Additional Detail(s) (Map)

Well Completed Date:	11/18/1968
Year Completed:	1968
Depth (m):	18.5928
Latitude:	45.183159702337
Longitude:	-75.8355556014777
X:	-75.83555543966712
Y:	45.18315969542024
Path:	150\1509726.pdf

Bore Hole Information

Bore Hole ID:	10031758	**Elevation:**	
DP2BR:		**Elevrc:**	
Spatial Status:		**Zone:**	18
Code OB:		**East83:**	434355.60
Code OB Desc:		**North83:**	5003637.00
Open Hole:		**Org CS:**	
Cluster Kind:		**UTMRC:**	4
Date Completed:	11/18/1968	**UTMRC Desc:**	margin of error : 30 m - 100 m
Remarks:		**Location Method:**	p4
Location Method Desc:	Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			

Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931012898
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	61.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931012897
Layer:	1
Color:	
General Color:	
Material 1:	05
Material 1 Desc:	CLAY
Material 2:	09
Material 2 Desc:	MEDIUM SAND
Material 3:	13
Material 3 Desc:	BOULDERS
Formation Top Depth:	0.0
Formation End Depth:	15.0
Formation End Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961509726
Method Construction Code:	1
Method Construction:	Cable Tool
Other Method Construction:	

Pipe Information

Pipe ID:	10580328
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930056153
Layer:	2
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	61.0
Casing Diameter:	5.0
Casing Diameter UOM:	inch

Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930056152
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 20.0
Casing Diameter: 5.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991509726
Pump Set At:
Static Level: 18.0
Final Level After Pumping: 28.0
Recommended Pump Depth: 35.0
Pumping Rate: 10.0
Flowing Rate:
Recommended Pump Rate: 5.0
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 2
Water State After Test: CLOUDY
Pumping Test Method: 1
Pumping Duration HR: 1
Pumping Duration MIN: 0
Flowing: No

Water Details

Water ID: 933464618
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 60.0
Water Found Depth UOM: ft

---

53 ***1 of 1*** ***NE/246.1*** ***91.3 / -3.54*** ***ON*** ***WWIS***

Well ID: 1509119
Construction Date:
Use 1st: Domestic
Use 2nd: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/19/1953
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4824
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:

Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1509119.pdf

Additional Detail(s) (Map)

Well Completed Date:	01/25/1953
Year Completed:	1953
Depth (m):	12.192
Latitude:	45.1873519970093
Longitude:	-75.8346622275776
X:	-75.83466206685569
Y:	45.18735199024562
Path:	150\1509119.pdf

Bore Hole Information

Bore Hole ID:	10031153	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434430.60
Code OB Desc:		***North83:***	5004102.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	5
Date Completed:	01/25/1953	***UTMRC Desc:***	margin of error : 100 m - 300 m
Remarks:		***Location Method:***	p5

Location Method Desc: Original Pre1985 UTM Rel Code 5: margin of error : 100 m - 300 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID:	931011498
Layer:	2
Color:	
General Color:	
Material 1:	15
Material 1 Desc:	LIMESTONE
Material 2:	
Material 2 Desc:	
Material 3:	
Material 3 Desc:	
Formation Top Depth:	15.0
Formation End Depth:	40.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931011497
Layer:	1
Color:	3
General Color:	BLUE
Material 1:	05

Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961509119
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10579723
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930054952
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 15.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930054953
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 40.0
Casing Diameter: 4.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991509119
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 10.0
Recommended Pump Depth:
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate:
Levels UOM: ft
Rate UOM: GPM
Water State After Test Code: 1

Water State After Test:	CLEAR
Pumping Test Method:	1
Pumping Duration HR:	0
Pumping Duration MIN:	30
Flowing:	No

Water Details

Water ID:	933463921
Layer:	1
Kind Code:	1
Kind:	FRESH
Water Found Depth:	40.0
Water Found Depth UOM:	ft

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54 ***1 of 1*** ***ENE/249.9*** ***91.3 / -3.54*** ***lot 23 con 3 ON*** ***WWIS***

Well ID:	1518430	***Flowing (Y/N):***	
Construction Date:		***Flow Rate:***	
Use 1st:	Domestic	***Data Entry Status:***	
Use 2nd:	0	***Data Src:***	1
Final Well Status:	Water Supply	***Date Received:***	08/03/1983
Water Type:		***Selected Flag:***	TRUE
Casing Material:		***Abandonment Rec:***	
Audit No:		***Contractor:***	3644
Tag:		***Form Version:***	1
Constructn Method:		***Owner:***	
Elevation (m):		***County:***	OTTAWA-CARLETON
Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	03
Well Depth:		***Concession Name:***	CON
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	RICHMOND VILLAGE		
Site Info:			

PDF URL (Map): https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/151\1518430.pdf

Additional Detail(s) (Map)

Well Completed Date:	06/14/1983
Year Completed:	1983
Depth (m):	18.288
Latitude:	45.1866321445634
Longitude:	-75.8333915070722
X:	-75.83339134646805
Y:	45.18663213802572
Path:	151\1518430.pdf

Bore Hole Information

Bore Hole ID:	10040300	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	434529.60
Code OB Desc:		***North83:***	5004021.00
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	4
Date Completed:	06/14/1983	***UTMRC Desc:***	margin of error : 30 m - 100 m

Remarks: ***Location Method:*** p4
Location Method Desc: Original Pre1985 UTM Rel Code 4: margin of error : 30 m - 100 m
Elevrc Desc:
Location Source Date:
Improvement Location Source:
Improvement Location Method:
Source Revision Comment:
Supplier Comment:

Overburden and Bedrock Materials Interval

Formation ID: 931038413
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 15.0
Formation End Depth: 60.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931038412
Layer: 1
Color: 2
General Color: GREY
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 15.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961518430
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10588870
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930070352
Layer: 2

Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	60.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930070351
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

Pumping Test Method Desc:	PUMP
Pump Test ID:	991518430
Pump Set At:	
Static Level:	8.0
Final Level After Pumping:	25.0
Recommended Pump Depth:	25.0
Pumping Rate:	20.0
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:	1
Pumping Duration HR:	1
Pumping Duration MIN:	0
Flowing:	No

Draw Down & Recovery

Pump Test Detail ID:	934640392
Test Type:	Draw Down
Test Duration:	45
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934898435
Test Type:	Draw Down
Test Duration:	60
Test Level:	25.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934378915
Test Type:	Draw Down
Test Duration:	30
Test Level:	25.0

Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934103746
Test Type: Draw Down
Test Duration: 15
Test Level: 25.0
Test Level UOM: ft

Water Details

Water ID: 933475138
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 55.0
Water Found Depth UOM: ft

Unplottable Summary

Total: 8 Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	DAYCOR HOMES/RICHMOND HILL SUBD. PH.1	FOWLER RD. EXT. PART 1	GOULBOURN TWP. ON	
CA		Fortune Street	Ottawa ON	
CA	PIERPAOLO AND LORE HERVATO	YORK ST./MAITLAND ST./FORTUNE	GOULBOURN TWP. ON	
CA	BRADFORD RIVINGTON HOLDINGS INC.	PRIVATE RD FOWLER STREET	GOULBOURN TWP. ON	
WWIS		con 3	ON	
WWIS		con 3	ON	
WWIS		lot 23	ON	
WWIS		lot 23	ON	

Unplottable Report

Site: ***DAYCOR HOMES/RICHMOND HILL SUBD. PH.1***
FOWLER RD. EXT. PART 1 GOULBOURN TWP. ON

Database: ***CA***

Certificate #:	3-0042-90-
Application Year:	90
Issue Date:	1/18/1990
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site:
Fortune Street Ottawa ON

Database: ***CA***

Certificate #:	9190-5E4L7L
Application Year:	02
Issue Date:	9/18/02
Approval Type:	Municipal & Private sewage
Status:	Approved
Application Type:	New Certificate of Approval
Client Name:	City of Ottawa
Client Address:	110 Laurier Avenue West
Client City:	Ottawa
Client Postal Code:	K1P 1J1
Project Description:	Approval is sought for the construction of storm sewers on Fortune Street.
Contaminants:	
Emission Control:	

Site: ***PIERPAOLO AND LORE HERVATO***
YORK ST./MAITLAND ST./FORTUNE GOULBOURN TWP. ON

Database: ***CA***

Certificate #:	3-0116-94-
Application Year:	94
Issue Date:	2/18/1994
Approval Type:	Municipal sewage
Status:	Approved
Application Type:	
Client Name:	
Client Address:	
Client City:	
Client Postal Code:	
Project Description:	
Contaminants:	
Emission Control:	

Site: ***BRADFORD RIVINGTON HOLDINGS INC.***
PRIVATE RD FOWLER STREET GOULBOURN TWP. ON

Database: ***CA***

Certificate #:	3-2470-89-
Application Year:	89

Issue Date: 1/3/1990
Approval Type: Municipal sewage
Status: Approved in 1990
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site:
con 3 ON

Database: ***WWIS***

Well ID: 1521473
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 04634
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 07/09/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 03
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043295
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 06/03/1987
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
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
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931048174
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 78
Material 2 Desc: MEDIUM-GRAINED
Material 3:

Material 3 Desc:
Formation Top Depth: 17.0
Formation End Depth: 135.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048172
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931048173
Layer: 2
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 81
Material 2 Desc: SANDY
Material 3: 13
Material 3 Desc: BOULDERS
Formation Top Depth: 8.0
Formation End Depth: 17.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521473
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10591865
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075610
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 25.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID:	930075611
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	135.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930075609
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

Pumping Test Method Desc:	PUMP
Pump Test ID:	991521473
Pump Set At:	
Static Level:	7.0
Final Level After Pumping:	12.0
Recommended Pump Depth:	70.0
Pumping Rate:	10.0
Flowing Rate:	
Recommended Pump Rate:	5.0
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:	934651783
Test Type:	Draw Down
Test Duration:	45
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934106539
Test Type:	Draw Down
Test Duration:	15
Test Level:	12.0
Test Level UOM:	ft

Draw Down & Recovery

Pump Test Detail ID:	934390639
Test Type:	Draw Down
Test Duration:	30

Test Level: 12.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934908874
Test Type: Draw Down
Test Duration: 60
Test Level: 12.0
Test Level UOM: ft

Water Details

Water ID: 933479050
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 131.0
Water Found Depth UOM: ft

Water Details

Water ID: 933479049
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 90.0
Water Found Depth UOM: ft

Site:
con 3 ON

Database: ***WWIS***

Well ID: 1521314
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 04583
Tag:
Constructn Method:
Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 05/20/1987
Selected Flag: TRUE
Abandonment Rec:
Contractor: 1558
Form Version: 1
Owner:
County: OTTAWA-CARLETON
Lot:
Concession: 03
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10043136
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 04/13/1987
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
Elevrc Desc:

Elevation:
Elevrc:
Zone: 18
East83:
North83:
Org CS:
UTMRC: 9
UTMRC Desc: unknown UTM
Location Method: na

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

Overburden and Bedrock Materials Interval

Formation ID: 931047545
Layer: 3
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 8.0
Formation End Depth: 167.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047543
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047544
Layer: 2
Color: 6
General Color: BROWN
Material 1: 14
Material 1 Desc: HARDPAN
Material 2: 13
Material 2 Desc: BOULDERS
Material 3: 79
Material 3 Desc: PACKED
Formation Top Depth: 4.0
Formation End Depth: 8.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931047546
Layer: 4
Color: 2
General Color: GREY
Material 1: 18
Material 1 Desc: SANDSTONE

Material 2: 73
Material 2 Desc: HARD
Material 3: 78
Material 3 Desc: MEDIUM-GRAINED
Formation Top Depth: 167.0
Formation End Depth: 224.0
Formation End Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961521314
Method Construction Code: 5
Method Construction: Air Percussion
Other Method Construction:

Pipe Information

Pipe ID: 10591706
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930075314
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

Construction Record - Casing

Casing ID: 930075315
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 224.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: PUMP
Pump Test ID: 991521314
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 20.0
Recommended Pump Depth: 30.0
Pumping Rate: 30.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 934390092
Test Type: Draw Down
Test Duration: 30
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934651239
Test Type: Draw Down
Test Duration: 45
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934105993
Test Type: Draw Down
Test Duration: 15
Test Level: 20.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934909447
Test Type: Draw Down
Test Duration: 60
Test Level: 20.0
Test Level UOM: ft

Water Details

Water ID: 933478821
Layer: 2
Kind Code: 1
Kind: FRESH
Water Found Depth: 218.0
Water Found Depth UOM: ft

Water Details

Water ID: 933478820
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 150.0
Water Found Depth UOM: ft

Site:
lot 23 ON

Database: ***WWIS***

Well ID: 1525460
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 91548
Tag:
Constructn Method:

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 06/14/1991
Selected Flag: TRUE
Abandonment Rec:
Contractor: 3749
Form Version: 1
Owner:

Elevation (m):
Elevatn Reliabilty:
Depth to Bedrock:
Well Depth:
Overburden/Bedrock:
Pump Rate:
Static Water Level:
Clear/Cloudy:
Municipality: GOULBOURN TOWNSHIP
Site Info:

County: OTTAWA-CARLETON
Lot: 023
Concession:
Concession Name:
Easting NAD83:
Northing NAD83:
Zone:
UTM Reliability:

Bore Hole Information

Bore Hole ID: 10047198
DP2BR:
Spatial Status:
Code OB:
Code OB Desc:
Open Hole:
Cluster Kind:
Date Completed: 05/13/1991
Remarks:
Location Method Desc: Not Applicable i.e. no UTM
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
Location Method: na

Overburden and Bedrock Materials Interval

Formation ID: 931061218
Layer: 2
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 73
Material 2 Desc: HARD
Material 3: 78
Material 3 Desc: MEDIUM-GRAINED
Formation Top Depth: 4.0
Formation End Depth: 105.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931061217
Layer: 1
Color: 6
General Color: BROWN
Material 1: 05
Material 1 Desc: CLAY
Material 2: 12
Material 2 Desc: STONES
Material 3: 14
Material 3 Desc: HARDPAN
Formation Top Depth: 0.0
Formation End Depth: 4.0
Formation End Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111214
Layer: 1
Plug From: 0.0
Plug To: 7.0
Plug Depth UOM: ft

Annular Space/Abandonment Sealing Record

Plug ID: 933111215
Layer: 2
Plug From: 7.0
Plug To: 21.0
Plug Depth UOM: ft

Method of Construction & Well Use

Method Construction ID: 961525460
Method Construction Code: 1
Method Construction: Cable Tool
Other Method Construction:

Pipe Information

Pipe ID: 10595768
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930082637
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 105.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930082636
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 21.0
Casing Diameter: 6.0
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pumping Test Method Desc: BAILER
Pump Test ID: 991525460
Pump Set At:
Static Level: 6.0
Final Level After Pumping: 85.0
Recommended Pump Depth: 95.0
Pumping Rate: 10.0
Flowing Rate:

Recommended Pump Rate: 5.0
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: 0
Flowing: No

Draw Down & Recovery

Pump Test Detail ID: 934112283
Test Type: Draw Down
Test Duration: 15
Test Level: 35.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905824
Test Type: Draw Down
Test Duration: 60
Test Level: 85.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934648644
Test Type: Draw Down
Test Duration: 45
Test Level: 75.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934387687
Test Type: Draw Down
Test Duration: 30
Test Level: 55.0
Test Level UOM: ft

Water Details

Water ID: 933484459
Layer: 1
Kind Code: 1
Kind: FRESH
Water Found Depth: 101.0
Water Found Depth UOM: ft

Site:
lot 23 ON

Database: ***WWIS***

Well ID: 1528156
Construction Date:
Use 1st: Domestic
Use 2nd:
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No: 147502
Tag:
Constructn Method:
Elevation (m):

Flowing (Y/N):
Flow Rate:
Data Entry Status:
Data Src: 1
Date Received: 09/27/1994
Selected Flag: TRUE
Abandonment Rec:
Contractor: 4006
Form Version: 1
Owner:
County: OTTAWA-CARLETON

Elevatn Reliabilty:		***Lot:***	023
Depth to Bedrock:		***Concession:***	
Well Depth:		***Concession Name:***	
Overburden/Bedrock:		***Easting NAD83:***	
Pump Rate:		***Northing NAD83:***	
Static Water Level:		***Zone:***	
Clear/Cloudy:		***UTM Reliability:***	
Municipality:	GOULBOURN TOWNSHIP		
Site Info:			

Bore Hole Information

Bore Hole ID:	10049695	***Elevation:***	
DP2BR:		***Elevrc:***	
Spatial Status:		***Zone:***	18
Code OB:		***East83:***	
Code OB Desc:		***North83:***	
Open Hole:		***Org CS:***	
Cluster Kind:		***UTMRC:***	9
Date Completed:	08/03/1994	***UTMRC Desc:***	unknown UTM
Remarks:		***Location Method:***	na
Location Method Desc:	Not Applicable i.e. no UTM		
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock Materials Interval

Formation ID:	931068759
Layer:	3
Color:	8
General Color:	BLACK
Material 1:	17
Material 1 Desc:	SHALE
Material 2:	71
Material 2 Desc:	FRACTURED
Material 3:	
Material 3 Desc:	
Formation Top Depth:	35.0
Formation End Depth:	38.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID:	931068757
Layer:	1
Color:	6
General Color:	BROWN
Material 1:	02
Material 1 Desc:	TOPSOIL
Material 2:	28
Material 2 Desc:	SAND
Material 3:	
Material 3 Desc:	
Formation Top Depth:	0.0
Formation End Depth:	3.0
Formation End Depth UOM:	ft

Overburden and Bedrock Materials Interval

Formation ID: 931068760
Layer: 4
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 78
Material 2 Desc: MEDIUM-GRAINED
Material 3: 71
Material 3 Desc: FRACTURED
Formation Top Depth: 38.0
Formation End Depth: 44.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068762
Layer: 6
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 73
Material 2 Desc: HARD
Material 3:
Material 3 Desc:
Formation Top Depth: 50.0
Formation End Depth: 120.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068761
Layer: 5
Color: 2
General Color: GREY
Material 1: 15
Material 1 Desc: LIMESTONE
Material 2: 78
Material 2 Desc: MEDIUM-GRAINED
Material 3:
Material 3 Desc:
Formation Top Depth: 44.0
Formation End Depth: 50.0
Formation End Depth UOM: ft

Overburden and Bedrock Materials Interval

Formation ID: 931068758
Layer: 2
Color: 3
General Color: BLUE
Material 1: 05
Material 1 Desc: CLAY
Material 2:
Material 2 Desc:
Material 3:
Material 3 Desc:
Formation Top Depth: 3.0
Formation End Depth: 35.0
Formation End Depth UOM: ft

Annular Space/Abandonment

Sealing Record

Plug ID:	933113011
Layer:	1
Plug From:	5.0
Plug To:	50.0
Plug Depth UOM:	ft

Method of Construction & Well Use

Method Construction ID:	961528156
Method Construction Code:	4
Method Construction:	Rotary (Air)
Other Method Construction:	

Pipe Information

Pipe ID:	10598265
Casing No:	1
Comment:	
Alt Name:	

Construction Record - Casing

Casing ID:	930086853
Layer:	1
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	50.0
Casing Diameter:	10.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930086855
Layer:	3
Material:	4
Open Hole or Material:	OPEN HOLE
Depth From:	
Depth To:	120.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Construction Record - Casing

Casing ID:	930086854
Layer:	2
Material:	1
Open Hole or Material:	STEEL
Depth From:	
Depth To:	50.0
Casing Diameter:	6.0
Casing Diameter UOM:	inch
Casing Depth UOM:	ft

Results of Well Yield Testing

Pumping Test Method Desc:	PUMP
Pump Test ID:	991528156
Pump Set At:	
Static Level:	4.0

Final Level After Pumping: 79.0
Recommended Pump Depth: 100.0
Pumping Rate: 5.0
Flowing Rate:
Recommended Pump Rate: 5.0
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: 934387221
Test Type:
Test Duration: 30
Test Level: 31.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934656549
Test Type:
Test Duration: 45
Test Level: 52.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934905341
Test Type:
Test Duration: 60
Test Level: 79.0
Test Level UOM: ft

Draw Down & Recovery

Pump Test Detail ID: 934112412
Test Type:
Test Duration: 15
Test Level: 79.0
Test Level UOM: ft

Water Details

Water ID: 933487744
Layer: 1
Kind Code: 5
Kind: Not stated
Water Found Depth: 72.0
Water Found Depth UOM: ft

Water Details

Water ID: 933487745
Layer: 2
Kind Code: 5
Kind: Not stated
Water Found Depth: 114.0
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 AAGR

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

Government Publication Date: Sept 2002*

Aggregate Inventory: Provincial AGR

This database of licensed and permitted pits and quarries is maintained by the Ontario Ministry of Natural Resources and Forestry (MNRF), as regulated under the Aggregate Resources Act, R.S.O. 1990. Aggregate site data has been divided into active and inactive sites. Active sites may be further subdivided into partial surrenders. In partial surrenders, defined areas of a site are inactive while the rest of the site remains active.

Government Publication Date: Up to Nov 2023

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-Apr 2024

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

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-Apr 30, 2024

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 2022

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: Oct 2023

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

Chemical Register: 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-Apr 30, 2024

Compressed Natural Gas Stations: Private CNG

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

Government Publication Date: Dec 2012 -May 2024

Inventory of Coal Gasification Plants and Coal Tar Sites: Provincial COAL

This inventory includes both the "Inventory of Coal Gasification Plant Waste Sites in Ontario-April 1987" and the Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario-November 1988) collected by the MOE. It identifies industrial sites that produced and continue to produce or use coal tar and other related tars. Detailed information is available and includes: facility type, size, land use, information on adjoining properties, soil condition, site operators/occupants, site description, potential environmental impacts and historic maps available. This was a one-time inventory.*

Government Publication Date: Apr 1987 and Nov 1988*

Compliance and Convictions: Provincial CONV

This database summarizes the fines and convictions handed down by the Ontario courts beginning in 1989. Companies and individuals named here have been found guilty of environmental offenses in Ontario courts of law.

Government Publication Date: 1989-Oct 2024

Certificates of Property Use: Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

Government Publication Date: 1994 - Oct 31, 2024

Drill Hole Database: Provincial DRL

The Ontario Drill Hole Database (ODHD) is offered by the Province of Ontario's Ministry of Mines. The dataset contains information for over 164,000 percussion, overburden, sonic and diamond-drill holes. The presence of assay results with cutoff values for gold, silver, copper, zinc, lead, nickel and platinum group elements is noted. Drill hole data are compiled from assessment files that have been submitted to the ministry in accordance with the Ontario Mining Act (OMA). Source assessment file numbers are captured for cross reference with the Ontario Assessment File Database (OAFD). 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. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Aug 2024

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: Oct 2023

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-Oct 31, 2024

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 - Oct 31, 2024

Environmental Compliance Approval: Provincial ECA

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

Government Publication Date: Oct 2011-Oct 31, 2024

Environmental Effects Monitoring: Federal EEM

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

Government Publication Date: 1992-2007*

ERIS Historical Searches: Private EHS

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

Government Publication Date: 1999-Aug 31, 2024

Environmental Issues Inventory System: Federal EIIS

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

Government Publication Date: 1992-2001*

Emergency Management Historical Event: Provincial EMHE

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: Apr 30, 2022

Environmental Penalty Annual Report: 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, 2023

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: Oct 2023

Federal Convictions: Federal FCON

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

Government Publication Date: 1988-Jun 2007*

Contaminated Sites on Federal Land: Federal FCS

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

Government Publication Date: Jun 2000-Sep 2024

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

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: Oct 31, 2021

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: Oct 2023

Fuel Storage Tank - Historic: Provincial FSTH

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

Government Publication Date: Pre-Jan 2010*

Ontario Regulation 347 Waste Generators Summary: Provincial GEN

Regulation 347 of the Ontario EPA defines a waste generation site as any site, equipment and/or operation involved in the production, collection, handling and/or storage of regulated wastes. A generator of regulated waste is required to register the waste generation site and each waste produced, collected, handled, or stored at the site. This database contains the registration number, company name and address of registered generators including the types of hazardous wastes generated. It includes data on waste generating facilities such as: drycleaners, waste treatment and disposal facilities, machine shops, electric power distribution etc. This information is a summary of all years from 1986 including the most currently available data. Some records may contain, within the company name, the phrase "See & Use..." followed by a series of letters and numbers. This occurs when one company is amalgamated with or taken over by another registered company. The number listed as "See & Use", refers to the new ownership and the other identification number refers to the original ownership. This phrase serves as a link between the 2 companies until operations have been fully transferred.

Government Publication Date: 1986-Nov 30, 2022

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 2022

TSSA Historic Incidents: Provincial HINC

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

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 INC

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: 31 Oct, 2023

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: Mar 31, 2022

Canadian Mine Locations: Private MINE

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

Government Publication Date: 1998-2009*

Mineral Occurrences: Provincial MNR

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

Government Publication Date: 1846-Feb 2024

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, 2022

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-Nov 2023

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

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

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES): Federal NEES

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

Government Publication Date: 1974-2003*

National PCB Inventory: Federal NPCB

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

Government Publication Date: 1988-2008*

National Pollutant Release Inventory: Federal NPR2

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of pollutant releases (to air, water and land), disposals, and transfers for recycling. The inventory, managed by Environment and Climate Change Canada, tracks over 300 substances. Under the authority of the Canadian Environmental Protection Act (CEPA), owners or operators of facilities that meet published reporting requirements are required to report to the NPRI.

Government Publication Date: Feb 2024

National Pollutant Release Inventory - Historic: Federal NPRI

Environment Canada has defined the National Pollutant Release Inventory ("NPRI") as a federal government initiative designed to collect comprehensive national data regarding releases to air, water, or land, and waste transfers for recycling for more than 300 listed substances. This data holds historic records; current records are found in NPR2.

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-May 31, 2024

Ontario Oil and Gas Wells: Provincial OOGW

In 1998, the Ministry of Natural Resources (MNR) handed over to the Ontario Oil, Gas and Salt Resources (OGSR) 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 includes well owner/operator, location, permit issue date, and well cap date, license number, 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 provided for each well record.

Government Publication Date: 1800-Aug 2024

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 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 - Oct 31, 2024

Canadian Pulp and Paper: Private PAP

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

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks: Federal PCFT

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

Government Publication Date: 1920-Jan 2005*

Pesticide Register: Provincial PES

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

Government Publication Date: Oct 2011-Oct 31, 2024

Ontario PFAS Spills: Provincial PFAS

This specific list of spills includes those incidents where one or more of the listed contaminants are identified in the PFAS Structure List and/or PFAS Chemicals Without Explicit Structure List made available by the United States Environmental Protection Agency (US EPA), is originally sourced from the Ministry of the Environment, Conservation and Parks spills related data. 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-Mar 2024; May 2024

NPRI Reporters - PFAS Substances: Federal PFCH

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This listing of PFAS substance reporters includes those NPRI facilities that reported substances that are found in either: a) the Comprehensive Global Database of PFASs compiled by the Organisation for Economic Co-operation and Development (OECD), b) the US Environmental Protection Agency (US EPA) Master List of PFAS Substances, c) the US EPA list of PFAS chemicals without explicit structures, or d) the US EPA list of PFAS structures (encompassing the largest set of structures having sufficient levels of fluorination to potentially impart PFAS-type properties).

Government Publication Date: Feb 2024

Potential PFAS Handlers from NPRI: Federal PFHA

The National Pollutant Release Inventory (NPRI) is Canada's public inventory of releases, disposals, and transfers, tracking over 320 pollutants. Per - and polyfluoroalkyl substances (PFAS) are a group of over 4,700 human-made substances for which adverse environmental and health effects have been observed. This list of potential PFAS handlers includes those NPRI facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used, or released by the facility - these are facilities that potentially handle PFAS based on their industrial profile.

Government Publication Date: Feb 2024

Pipeline Incidents: 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: Feb 28, 2021

Potential PFAS Handlers from EASR: Provincial PPHA

The Ontario Environmental Activity and Sector Registry (EASR), described in Ontario Regulation 245/11, allows businesses with less complex operations - and hence not requiring an Environmental Compliance Approval - to register their activities with the Ontario Ministry of the Environment, Conservation and Parks (MECP). This list of potential PFAS handlers includes those EASR facilities that reported business activity (NAICS code) included in the US Environmental Protection Agency (US EPA) list of Potential PFAS-Handling Industry Sectors, further described as operating in industry sectors where literature reviews indicate that PFAS may be handled and/or released. Inclusion of a facility in this listing does not indicate that PFAS are being manufactured, processed, used.

Government Publication Date: Jun 30, 2024

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 PTTW's on the registry such as OWRA s. 34 - Permit to take water.

Government Publication Date: 1994 - Oct 31, 2024

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, 1992-2021

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). The Government of Ontario states that it is not responsible for the accuracy of the information in this Registry.

Government Publication Date: 1997-Sept 2001, Oct 2004-Nov 2024

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-Apr 30, 2024

Scott's Manufacturing Directory: Private SCT

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

Government Publication Date: 1992-Mar 2011*

Ontario Spills: Provincial SPL

List of spills and incidents made available by 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-Jun 2024; Aug 2024; Oct 2024

Wastewater Discharger Registration Database: Provincial SRDS

Facilities that report either municipal treated wastewater effluent or industrial wastewater discharges under the Effluent Monitoring and Effluent Limits (EMEL) and Municipal/Industrial Strategy for Abatement Regulations. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment keeps record of 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.

Government Publication Date: 1990-Dec 31, 2021

Anderson's Storage Tanks: Private TANK

The information provided in this database was collected by examining various historical documents, which identified the location of former storage tanks, containing substances such as fuel, water, gas, oil, and other various types of miscellaneous products. Information is available in regard to business operating at tank site, tank location, permit year, permit & installation type, no. of tanks installed & configuration and tank capacity. Data contained within this database pertains only to the city of Toronto and is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1915-1953*

Transport Canada Fuel Storage Tanks: Federal TCFT

List of fuel storage tanks currently or previously owned or operated by Transport Canada. This inventory also includes tanks on The Pickering Lands, which refers to 7,530 hectares (18,600 acres) of land in Pickering, Markham, and Uxbridge owned by the Government of Canada since 1972; properties on this land has been leased by the government since 1975, and falls under the Site Management Policy of Transport Canada, but is administered by Public Works and Government Services Canada. This inventory provides information on the site name, location, tank age, capacity and fuel type.

Government Publication Date: 1970 - Apr 2024

Variances for Abandonment of Underground Storage Tanks: Provincial VAR

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: Feb 28, 2022

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 - Oct 31, 2024

Waste Disposal Sites - MOE 1991 Historical Approval Inventory: Provincial WDSH

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

Government Publication Date: Up to Oct 1990*

Water Well Information System: Provincial WWIS

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

Government Publication Date: Dec 31 2023

Definitions

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

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

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

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

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

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

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

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

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

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

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

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

APPENDIX 3

QUALIFICATIONS OF ASSESSORS

PATERSON GROUP
solution oriented engineering

Mark Bujaki, B.Sc., MBA
Junior Environmental Scientist

Mark joined Paterson Group in 2024 as part of the Environmental Division. Mark received his Bachelor of Science from Carleton University in 2016, his Master of Business Administration from the Sprott School of Business in 2018 and a Graduate Certificate in Environmental Management and Assessment from Algonquin College in 2019. In his time at Paterson, Mark has been involved in residential and commercial projects within Ontario and Quebec. He has completed environmental sampling programs, Phase I environmental site assessments, excess soil testing and the associate reporting. His scope of work consists of environmental investigation and reporting, field inspections, soil and groundwater sampling, remediation supervision, and ensuring compliance to applicable regulatory standards.

EDUCATION

Honours Bachelor of Science Earth Sciences
Minor in Biology
2016
Carleton University

Master of Business Administration
2018
Carleton University

Graduate Certificate: Environmental Management and Assessment
2019
Algonquin College

YEARS OF EXPERIENCE

4 years

Thomas Cavanagh Construction
Environmental Technician
4 years

Paterson Group
2024-Present

OFFICE LOCATION

9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- Kanata South Link, Ottawa, ON – Monitoring for Species At Risk, Erosion and Sediment Control Monitoring and Reporting, Permit to Take Water Monitoring and Reporting
- Strandherd Dr. Widening, Ottawa, ON – Monitoring for Species At Risk, Erosion and Sediment Control Monitoring and Reporting, PTTW Monitoring and Reporting
- Kennedy Burnett Stormwater Management Pond Retrofit, Ottawa, ON – Groundwater Monitoring, Fish Salvage, Erosion and Sediment Control, Species at Risk Monitoring
- Eagleson Rd Watermain Repair, Ottawa, ON – Monitoring and testing groundwater for compliance with City of Ottawa Sewer use agreement
- Valley Drive Sewer Reconstruction, Ottawa, ON – Erosion and Sediment Control, SSA Compliance and EASR Reporting
- Kanata West Development, Ottawa, ON – Water Quality Monitoring, Erosion and Sediment Control
- Environmental Compliance Approvals - Various, ON – Site Inspections, Water Quality Testing, ESC, Operational Functionality
- Canadian Nuclear Laboratories - Near Surface Disposal Facility, Chalk River, ON – Environmental Plan Supervision and Consultation

PROFESSIONAL EXPERIENCE

2024 to present, **Junior Environmental Scientist, Paterson Group**, Ottawa, Ontario

- Conducting Phase I Environmental Site Assessments in accordance with CSA standards and O.Reg. 153/04.
- Presenting analytical test results, interpretations, assessments, recommendations, and conclusions in a final technical report.
- Field experience in the supervision of drilling and excavation contractors, inspection of aboveground and underground fuel storage tanks, soil classification, soil and groundwater field sampling.
- Liaising with clients, contractors, and consultants.

2019 to 2024, **Environmental Technician, Thomas Cavanagh Construction**, Ottawa, Ontario

- Water and soil sampling for laboratory submission.
- Interpreting and reporting analytical test results.
- Erosion and sediment control plan development and implementation.
- Nesting bird and wildlife surveys / species at risk monitoring.
- Actively coordinated daily between multiple foremen, project managers, contract administrators and project owners to ensure project needs are satisfied.
- Reviewing and consulting on environmental policies and best practices as part of a multi-stakeholder partnership.
- Planning, permitting, and leading for and conducting fish salvages in rivers, creeks and stormwater management ponds, using backpack electrofisher.
- Environmental compliance with City of Ottawa, Lanark County, Renfrew County, Provincial legislation, and Federal Legislation
- Spill remediation planning and implementation.
- EASR and PTTW application, monitoring, and compliance.

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PATERSON GROUP

solution oriented engineering



Mark S. D'Arcy, P.Eng., QP_{ESA}
Director – Environmental Division

After receiving his Bachelors of Applied Science from Queen's University in 1991 in Geological Engineering, Mark joined Paterson Group Inc. During the first 10 years of Mark's career, he was heavily involved in all aspects of field work, including drilling boreholes, excavating test pits, conducting phase I site inspections, environmental sampling and analysis and inspection of environmental remediations. During Mark's field experience, he gained invaluable field and office experience, which would prepare Mark to become the Environmental Division Manager. Mark's field experience ranges from Phase I Environmental Site Assessments (ESAs) to on-site soil and groundwater remediations, as well as, environmental/geotechnical borehole investigations. Mark's field experience has provided extensive knowledge of subsurface conditions, contractor relations and project management. These skills would provide Mark with the ability to understand a variety of situations, which has lead Paterson to an extremely successful Environmental Department. Mark became the Environmental Manager in 2006, which consisted of two engineers and two field technicians. Mark has been an integral part in growing the Environmental Division, which now consists of nine engineers and three field technicians. Mark is the Senior Project Manager for a wide variety of environmental projects within the Eastern Ontario area including Phase I ESAs, Phase II ESAs, remediations for filing Records of Site Condition in the Ontario Ministry of the Environment and Climate Change (MOECC) Environmental Site Registry, Brownfield Applications and Landfill Monitoring Programs. As the Senior Project Manager, Mark is responsible for directing project personnel, final report review and overall project success. Mark has proven leadership and ability to manage small to large scale projects within the allotted time and budget.

EDUCATION
B.A.Sc. 1991, Geological Engineering, Queen's University, Kingston, ON

LICENCE/PROFESSIONAL AFFILIATIONS
Professional Engineers of Ontario

ESA Qualified Person with MECP

Ontario Society of Professional Engineers

Consulting Engineers of Ontario

YEARS OF EXPERIENCE
With Paterson: 33

OFFICE LOCATION
9 Auriga Drive, Ottawa, Ontario, K2E 7T9

SELECT LIST OF PROJECTS

- 222 Beechwood Avenue, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 409 MacKay Street, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Art's Court Redevelopment, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- Visitor Welcome Centre, Phase II and Phase III, Parliament Hill, Ottawa, Ontario (Senior Project Manager for Environmental Remediation)
- Mattawa Landfill, Mattawa, Ontario (Senior Project Manager, Annual Water Quality Monitoring report)
- Multi-Phase Redevelopment of the Ottawa Train Yards, Ottawa, Ontario (Senior Project Manager)
- Rideau Centre Expansion, Ottawa, Ontario (Senior Project Manager for Phase I ESA, Phase II ESA, Phase III ESA, Environmental Remediation)
- 26 Stanley Avenue, Ottawa, Ontario, Phase I ESA, Phase II ESA (Senior Project Manager)
- Monitoring Landfills for River Valley, Kipling and Lavigne (Senior Project Manager)
- Block D Lands – Brownfields Project - Kingston

PROFESSIONAL EXPERIENCE

2001 to present, Manager of Environmental Division, Paterson Group Inc., Ottawa, Ontario

- Manage all aspects of the environmental division (management of personnel, budgeting, invoicing, scheduling, business development, reporting, marketing, and fieldwork).
- Review day to day operations within the environmental division.
- Design, perform, and lead Phase I, II and Phase III ESAs, Remediation's, Brownfield Applications and Record of Site conditions, fieldwork surveys, excavation, monitoring, laboratory analysis, and interpretation.
- Write, present, and publish reports with methodology and laboratory analysis results, along with recommendations for environmental findings.
- Responsible for ensuring projects meet Ministry of Environment and Climate Change Standards and Guidelines.
- Building and fostering relationships with clients, stakeholders, and Ministry officials.
- Supervise and continuous training of staff in environmental methods (environmental sampling techniques, technical expertise and guidance).
- Applied due diligence in ensuring the health and safety of staff and the public in field locations.

1991 to 2001, Geotechnical and Environmental Engineer, Paterson Group Inc., Ottawa, Ontario

- Provide on-site geotechnical and environmental expertise to various clients.
- Oversee geotechnical and environmental investigations for drilling and test pitting on numerous proposed utility installations, residential and commercial developments.
- Problem solving to help advance or maintain project schedules.
- Complete environmental reports with recommendations to meet environmental standards set by MOE and CCME standards.
- Conduct site inspections, bearing medium evaluations, bearing surface inspections, concrete testing and field density testing.
- Liaising with contractors, consultants and government officials.
- Provide cost estimates for geotechnical and environmental field programs and construction costs.
- Review RFI's, submittals, monthly progress reports and other various construction related work.