**FINAL REPORT**

# Phase I Environmental Site Assessment

*30 Cleary Avenue, Ottawa, Ontario*

Submitted to:

**Theia Partners Inc.**

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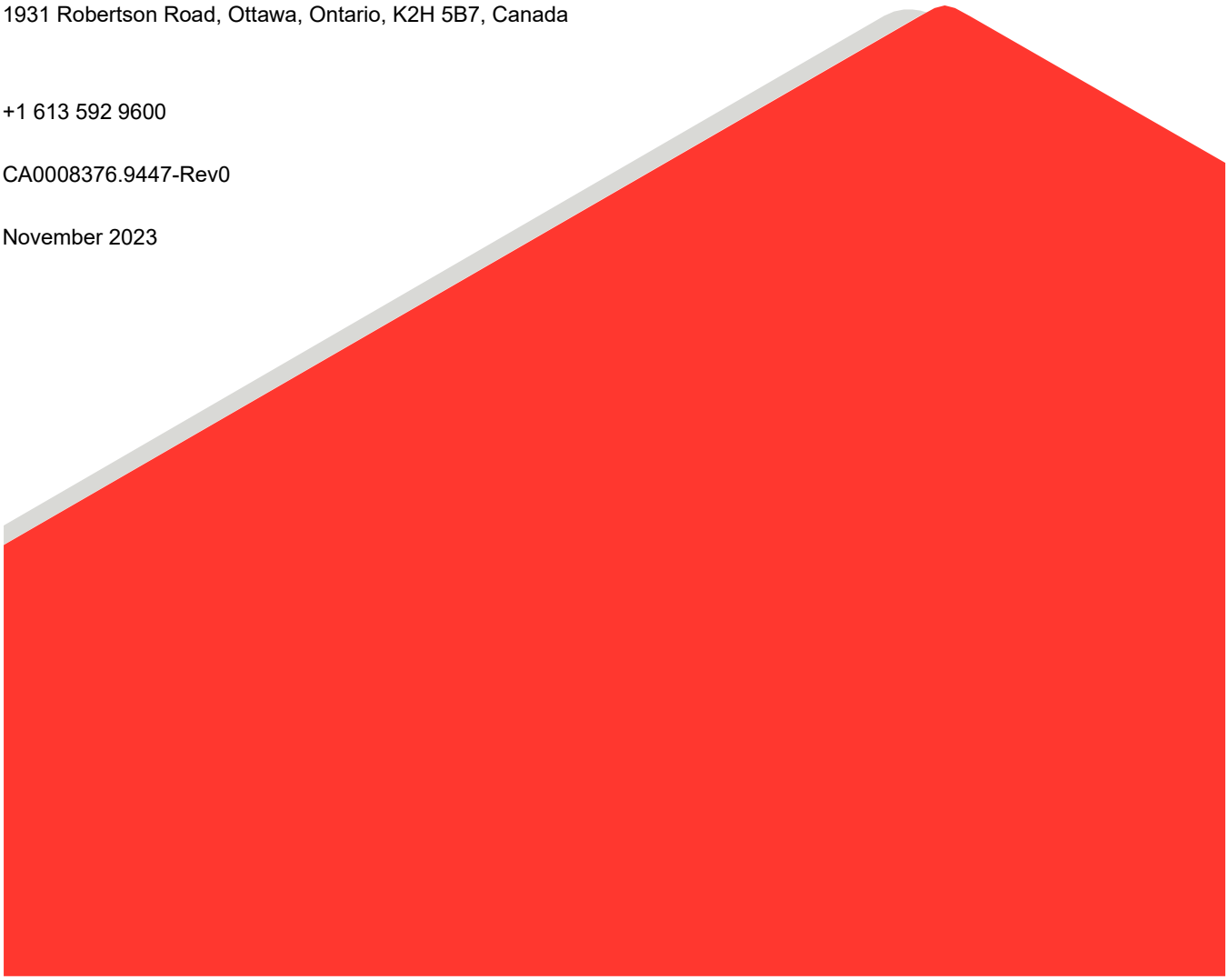

# Distribution List

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# 1.0 EXECUTIVE SUMMARY

***IMPORTANT:*** *This executive summary provides an overview of the main findings of the study to which it pertains. This executive summary does not provide a comprehensive report, and its review should not be considered a substitute for reading the report in its entirety*.

WSP Canada (WSP) was retained by Theia Partners Inc. (Theia) to conduct a Phase One Environmental Site Assessment (Phase One ESA) of the property located on part of 30 Cleary Avenue in Ottawa, Ontario (herein referred to as the 'Phase One Property'). The Phase One Property is owned and operated by the First Unitarian Congregation of Ottawa, who have contracted Theia to coordinate the development of the Property. It is WSP's understanding that the Phase One ESA is required as part of the City of Ottawa planning approvals for the proposed development which includes two new buildings and associated parking lots. Given the size of the overall Property relative to the proposed development activities, the Phase One ESA will focus only on the development areas and will consider the existing structures and uses outside the new development as being off-site for the purpose of this assessment.

The Phase One Property is located at the end of Cleary Avenue, just southwest of the First Unitarian Church, north of the River Parkway Children's Centre, generally located between Richmond Road and Kichi Zibi Mikan Parkway, Ottawa, Ontario. The Phase One Property is legally described as part of 30 Cleary Avenue, PIN 04751-0119 and is zoned as Minor Institutional Zone. The Phase One Property is irregular in shape and is approximately 10,890 $m^2$ (1.09 ha). The Property is currently occupied by paved and gravel parking areas with undeveloped treed land located on the western and northern most portion of the Site. There is a small storage building containing landscaping equipment and materials on the south side of the gravel parking area. No other buildings exist on the Property. The Phase One Property is currently used as parking for the First Unitarian Church.

As per Part V, Section 16 of O. Reg. 153/04, WSP has reviewed, evaluated and interpreted the information obtained from the completion of a records review, interviews with persons knowledgeable of site operations and site history, and a site reconnaissance in order to identify any current and/or historical activities at the Phase One Property or within the surrounding Phase One Study Area which could have the potential to adversely affect the environmental condition of the Phase One Property. Based on this evaluation, WSP has identified 3 areas of potential environmental concern (APECs) on or under the Phase One Property as follows:

**APEC 1:** Southeast gravel parking area

- Related to former railway, multiple gasoline service stations, fuel oil USTs and ASTs, and auto repair shop.

**APEC 2**: Entire Phase One Property

- Imported fill material associated with development of the Site.

**APEC 3**: Southwest corner of Phase One Property

- Multiple gasoline stations with USTs and ASTs.

Contaminants of potential concern (COPCs) associated with the above listed APECs include petroleum hydrocarbons (PHCs), BTEX (benzene, toluene, ethylbenzene, xylenes), polycyclic aromatic hydrocarbons (PAHs), metals, and inorganics.

Based on a review of the available information and the exercise of professional judgment, WSP has concluded that there is potential for the identified COPCs to have affected land and/or water under the Phase One Property within the identified APECs. Based on the information obtained in completing this Phase One ESA, it is WSP's opinion that a phase two ESA would be recommended prior to any redevelopment of the Phase One Property. Based on the current land use (institutional), the proposed redevelopment plan would not require the completion of a Record of Site Condition (RSC).

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# 2.0 INTRODUCTION

WSP Canada (WSP) was retained by Theia Partners Inc. (Theia) to conduct a Phase One Environmental Site Assessment (Phase One ESA) of the property located on part of 30 Cleary Avenue in Ottawa, Ontario, (herein referred to as the "Phase One Property" or "Site"). The Property is owned by the First Unitarian Congregation of Ottawa, who has contracted Theia Partners Inc. to coordinate the development of the Site. The site location is shown on Figure 1. It is WSP's understanding that the Phase One ESA is required as part of the City of Ottawa planning approvals for the proposed development which includes two new buildings and associated parking lots.

Based on the current land use (institutional), the proposed redevelopment plan would not require the completion of a Record of Site Condition (RSC).

## 2.1 Phase One Property Information

WSP was retaining by Theia to conduct a Phase One ESA of the following property:

| | |
|---|---|
| **Municipal Address** | Part of 30 Cleary Avenue, Ottawa, Ontario |
| **Property Identification Number** | 04751-0119 |

The Phase One Property is located on the First Unitarian Church property on part of 30 Cleary Avenue in Ottawa, located at the end of Cleary Avenue, generally described as between Richmond Road and the Kichi Zibi Mikan Parkway, and is zoned as Minor Institutional Zone. The Phase One Property is irregular in shape and is approximately 10,890 $m^2$ (1.09 ha) in plan area based on information available through the City's Interactive Online Mapping Tool (GeoOttawa). The Phase One Property boundary is shown on Figure 2. For the purpose of this report, Richmond Road and the Kichi Zibi Mikan Parkway are considered as running in an east-west direction. The property boundaries and adjacent land uses are described as follows:

- **North boundary:** Forested area, followed by the Kichi Zibi Mikan Parkway and the Ottawa River.
- **East boundary:** Unitarian Church and multi-story L-shaped building (Unitarian House) followed by the Kichi Zibi Mikan Parkway.
- **West boundary:** Single-unit residential neighbourhood.
- **South boundary:** Large single-story building (River Parkway Children's Centre), followed by an auto repair shop, Richmond Road, and the under-construction light rail transit corridor (open trench at the time of the Site Reconnaissance)

The Phase One Property is operated as a parking lot for the First Unitarian Church. There are no permanent buildings on the Phase One Property. Paved and gravelled parking areas make up most of the Property, with some undeveloped treed areas along the western border, as well as three separate patches of undeveloped treed areas within the middle of the Property. A temporary structure used for landscaping material is present on the south side of the gravel parking lot. Site features are shown on Figure 2.

## 2.2 Property Owner Contact Information

The Phase One Property is owned by the First Unitarian Congregation of Ottawa. Authorization to proceed with the Phase One ESA was provided by Scott Bentley, Capital Projects Director for Theia Partners Inc., acting on behalf of the Site Owner as the Phase One ESA Site Representative. Contact information for Scott Bentley is provided in the following table:

| | |
|---|---|
| **Project Contact:** | Scott Bentley |
| **Address:** | Theia Partners Inc.<br>125 Third Ave,<br>Ottawa, Ontario<br>K1S 2J9 |
| **Phone Number:** | 343-596-7596 |

# 3.0 SCOPE OF INVESTIGATION

The scope of the Phase One ESA is only sufficient in identifying issues of potential environmental concern which are obvious from a visual examination of surface features or from available sources of information. No soil, water, liquid, biological (including mould), gas, product or chemical sampling or analysis were carried out as part of this Phase One ESA. WSP did not conduct a health and safety, engineering, or structural evaluation of the Site as part of the scope of work.

According to Ontario Regulation ("O.Reg.") 153/04 Records of Site Condition, the objectives of a Phase One ESA are to:

1) Develop a preliminary determination of the likelihood that one or more contaminants have affected any land or water on, in or under the Site;

2) Determine the need for a Phase Two Environment Site Assessment ("ESA");

3) Provide a basis for carrying out a Phase Two ESA;

4) Provide adequate preliminary information about environmental conditions in the land or water on, in or under the Site for the conduct of a risk assessment following completion of a Phase Two ESA; and

5) Identify and report on evidence of actual and/or potential contamination on the Site from current and historical activities at the Site or from adjacent properties.

In order to fulfill the general objectives of this Phase One ESA, the scope of work consisted of the following activities:

- Historical records review;
- Interviews with persons knowledgeable of the subject site;
- Site reconnaissance;
- Reviewing and technically assessing the information collected; and,
- Preparing this Phase One ESA report.

In accordance with O. Reg. 153/04, WSP has determined a “Phase One Study Area” that is outside the Phase One Property but that is considered in the assessment because uses and activities in this larger area may have affected the Phase One Property. Assessment of the Phase One Property and Phase One Study Area has incorporated the determination of O. Reg. 153/04’s prescribed list of “potentially contaminating activities” (PCAs) as defined in Table 2, Schedule D of O. Reg. 153/04. Any identified PCAs are reviewed by WSP’s Qualified Person (QP) to determine Areas of Potential Environmental Concern (APECs) on the Phase One Property, if any.

# 4.0 RECORDS REVIEW

## 4.1 General

### 4.1.1 Phase One Study Area Determination

For the purpose of this Phase One ESA, the Phase One Study Area is the area within a 250-metre radius of the boundary of the Phase One Property. Based on WSP’s review of the historical and current information compiled as part of this Phase One ESA for the Phase One Property and surrounding area, and observations of neighbouring properties made during the Site reconnaissance, it was concluded that an assessment of information pertaining to properties within 250 m of the boundary of the Phase One Property was sufficient to achieve the objectives of the Phase One ESA. The Phase One Study Area is shown on Figure 2.

### 4.1.2 First Developed Use Determination

Based on information acquired during the records review and interviews, the first developed use of the Phase One Property is believed to have been as rail tracks and residential units. As of 1958, a Canadian Pacific Railway track crossed the southern portion of the Site, and a few residential lots backed onto the west side of the Phase One Property, with a few small residential buildings within the Phase One Property boundary. Most of the Property was undeveloped forested land, until 1967 when part of the Site was developed as a gravel parking lot for the nearby Unitarian Church. In 1982, the Site was redeveloped as a parking lot with paved and gravel areas, with some undeveloped treed land in the central and western portions of the Site.

### 4.1.3 Fire Insurance Plans

Fire Insurance Plans (FIPs) were obtained from the City of Ottawa. FIPs for the years 1948 and 1956 were reviewed. Information from the FIPs relevant to the environmental condition of the Phase One Property is summarised the following table.

| Date | Sheet | Observations |
|---|---|---|
| 1948 | 335, 339 | **Phase One Property:** Mostly undeveloped forested area. A few single-unit residential buildings to the southeast and southwest of the Property**. Canadian Pacific Railway** runs through the southern portion of the Property.<br>**Covered portion of Phase One Study Area:** To the west, all residential neighbourhood. To the north are a few small residential units, followed by the Ottawa River. On the south side of the railway are a row of buildings with the following features:<br>▪ **Woodshed and coal yard** (Leafloor Bros Coal and Wood)<br>▪ **Gasoline Tanks** (Sunlight Oil Co.)<br>▪ **Gasoline Service Station** |

| Date | Sheet | Observations |
|---|---|---|
| 1956 | 335, 340 | **Phase One Property:** Not shown.<br>**Covered portion of Phase One Study Area:** To the southeast are **two Gasoline Service Stations**, one either side of Cleary Ave, at the intersection with Richmond Rd. |

Based on the FIP review, the presence of railway infrastructure and activity along the southeast property boundary as shown in the 1948 and 1956 is the only identified PCA on the Phase One Property.

In addition to the PCA identified on the Phase One Property, several PCAs as described in Table 2, Schedule D of O.Reg. 153/04 were identified in the Phase One Study Area through review of the FIPs as summarised in the following table.

**PCAs Identified Through FIP Review**

| Address | Dist. (m) | Dir. | Description | FIP Dates | PCA # (O. Reg 153/04) |
|---|---|---|---|---|---|
| Phase One Property | 0 | NA | ▪ Railway infrastructure and activity (Canadian Pacific Railway) | 1948-1956 | 46 |
| 775 Richmond Rd | 40 | E | ▪ Gasoline Service Station (unnamed) | 1948-1956 | 28 |
| 851 Richmond | 100 | S | ▪ Gasoline Service Station (unnamed)<br>▪ Gasoline Tanks (Sunlight Oil Co.) | 1948-1956 | 28 |
| 747 Richmond | 140 | E | ▪ Gasoline Service Station (unnamed) | 1948-1956 | 28 |

### 4.1.4 City Directories

WSP retained ERIS to conduct a city directory search for the Phase One Property and 10 adjacent properties in the Phase One Study Area. The city directory search returned information for approximately every five (5) years from 1890/91 through 2011. A copy of the city directory search provided by ERIS is provided in Appendix A.

The municipal address for the Phase One Property was not listed in the city directory search until 1992 when it was described as the First Unitarian Congregation of Ottawa and the River Parkway Pre-School Centre. In 2017, Green Communities Canada was added to the address as well. As of 2021, there are three organizations listed at 30/40 Cleary Avenue: First Unitarian Congregation of Ottawa, River Parkway Pre-School Centre, and Ancoura Inc. (charity organization).

A summary of PCAs at the Phase One Property and in the Phase One Study Area is provided in the table below. Refer to Section 7 *Review and Evaluation of Information* for further discussion on the PCAs identified in the Phase One Study Area.

**PCAs Identified Through City Directory Review**

| Address | Dist. (m) | Dir. | Description | Dates | PCA # (O. Reg 153/04) |
|---|---|---|---|---|---|
| 801 Richmond Rd | 5-10 | SE | Dave Rennie's auto repair shop | 1996 | 10 |

### 4.1.5 Chain of Title

Based on the information contained in the other historical records, the historical ownership is understood to have been the current owner since 1967 and was owned by various residential owners before that. A chain of title search is not considered necessary to develop the site ownership history.

### 4.1.6 Environmental Reports

There are no known environmental investigations or reports to have been done on the Phase One Property since 1967. No previous reports were provided for review.

## 4.2 Environmental Source Information

### 4.2.1 ERIS

ERIS was contracted to conduct a search of federal and provincial government and private environmental databases pertaining to the Phase One Property and adjacent lands within a 250 m radius from the Phase One Property boundary. A copy of the report obtained from ERIS is included in Appendix A.

A summary of the database search results pertaining to the Phase One Property and Phase One Study Area are summarized below.

#### *4.2.1.1 Phase One Property*

A total of 1 record related to the Phase One Property was identified in the ERIS search as summarised in the following table.

**Summary of Phase One Property ERIS Records**

| Database Name | Acronym | Number of Records |
|---|---|---|
| Water Well Information System | WWIS | 1 |

#### *4.2.1.2 Phase One Study Area*

A total of 65 records were returned for properties within the Phase One Study Area as summarised in the below table.

**Summary of ERIS Records in Phase One Study Area**

| Database Name | Acronym | Number of Records |
|---|---|---|
| Borehole | BORE | 4 |
| Certificates of Approval | CA | 1 |
| Environmental Activity and Sector Registry | EASR | 2 |
| Environmental Compliance Approval | ECA | 2 |
| ERIS Historical Searches | EHS | 5 |
| Ontario Regulation 347 Waste Generators Summary | GEN | 8 |
| Pipeline Incidents | PINC | 2 |
| Record of Site Condition | RSC | 1 |
| Scott's Manufacturing Directory | SCT | 3 |
| Ontario Spills | SPL | 18 |
| Water Well Information System | WWIS | 19 |

A description of each database is provided in the ERIS report (Appendix A). Of the above records, 23 did not include enough information for ERIS to associate the record with a plottable address.

WSP reviewed all plottable ERIS records identified within the Phase One Study Area to evaluate if they constituted PCAs as defined by O.Reg. 153/04.

It is noted that multiple Waste Generator records were identified for properties throughout the Phase One Study Area. Registration as a Waste Generator generally indicates proper handling and disposal of hazardous wastes, and businesses associated with Waste Generator records in the Phase One Study Area are unlikely to use/generate large volumes of hazardous waste, therefore in the absence of other records for a property/address to indicate significant potential waste generation and/or releases, a Waste Generator record alone for a property within the Phase One Study Area has not been considered as representing a concern.

Several spill records were identified through the review of the plottable ERIS records and are summarised in the below table. Based on either the distance from the Phase One Property and/or the smaller quantity of the spills, none of the following spills are considered to have contributed to an APEC on the Phase One Property.

**Spill Records Identified through ERIS Review**

| Address | Dist. (m) | Dir. | Record Type and Description (ERIS) | Years | PCA # (O. Reg 153/04) |
|---|---|---|---|---|---|
| Kichi Zībī Mīkan Parkway and Cleary Ave | 80 | ENE | SPL – Hydraulic oil leak from crane (Kiewit Eurovia Vinci (KEV)) | 2021 | 28 |
| Sherbourne Rd and Byron Ave | 140 | ESE | SPLa – 5L hydraulic oil to ground (KEV)<br>SPLb – 2L diesel exhaust fluid to soil (KEV)<br>SPLc – 20L hydraulic oil to rock floor of tunnel (KEV)<br>SPLd – 1L diesel to soil (KEV) | SPLa – 2021<br>SPLb – 2021<br>SPLc – 2021<br>SPLd – 2021 | 28 |
| Just east of 75 Cleary Ave | 160 | ENE | SPL – 0.5L unknown hydrocarbons (KEV) | 2021 | 28 |
| 2122 Wayne Ave | 170 | W | SPL – 20L hydraulic oil to land (Lehigh Hanson Canada ULC) | 2019 | 28 |
| Byron Park to the east across from 851 Richmond Rd | 180 | SE | SPL – 1L hydraulic oil to soil and rock (KEV) | 2021 | 28 |
| Clearly Ave and Richmond Rd | 190 | ENE | SPLb – 100L diesel to ground (no client name given)<br>SPLc – 20L hydraulic oil to asphalt and walkway (unnamed client)<br>SPLd – 1L grease spill (KEV)<br>SPLe – 5L hydraulic oil to ground (KEV) | SPLb – 2016<br>SPLc – 2021<br>SPLd – 2021<br>SPLe – 2021 | 28 |
| Near 100 Byron Ave | 220 | S | SPL – 2L hydraulic oil to excavated pit with snow melt (KEV) | 2021 | 28 |
| Richmond Rd and Redwood Ave | 230 | E | SPL – 1L hydraulic oil spill | 2021 | 28 |

No additional PCAs were identified in the unplottable ERIS records.

### 4.2.2 Technical Standards and Safety Authority (TSSA), Fuel Safety Division Records

Searches of available TSSA records were requested on March 21, 2023. Responses received from the TSSA on September 7, 2023, indicate that 30 Cleary Ave has no records of fuel storage tanks. 9 surrounding properties were also searched, and no records of fuel storage tanks were found. Copies of the TSSA responses are provided in Appendix C.

### 4.2.3 Ministry of the Environment

WSP submitted a request for records to the Ontario Ministry of Environment, Conservation, and Parks (MECP) Freedom of Information (FOI) office. No response was received from the FOI office by the time of reporting. If additional information is received from the MECP FOI office that materially changes the conclusions and recommendations provided in this report, a revised version of the report will be issued to the City by WSP.

WSP also completed a search of the MECP the online database tool, Access Environment, for records on the Phase One Property and within the Phase One Study Area. No records were identified for the Phase One Property. Five records were identified within the Phase One Study Area; one Confirmation of Registration for the extension of a waste management system storage yard at 75 Cleary Ave, three permits to take water, and a Confirmation of Registration to take water for the dewatering of a construction site near 851 Richmond Rd. None of these records/activities are considered as PCAs or as resulting in an APEC to the Phase One Property.

### 4.2.4 Historical Land Use Inventory (HLUI)

The City provided results from their Historical Land Use Inventory (HLUI) search. The HLUI returned 61 records with two records relating the Phase One Property and the remaining related to addresses within the Phase One Study Area. A summary of the HLUI records identified as PCAs is provided below in the table below.

**PCAs Identified Through HLUI Review**

| Address | Dist. (m) | Dir. | Type of Facility and Description (HLUI) | Reference Date Range | PCA # (O. Reg 153/04) |
|---|---|---|---|---|---|
| Phase One Property | 0 | N/A | Abandoned Railway | 1979 | 46 |
| Unitarian Church of Ottawa (adjacent to east of Property) | 40 | E | Fuel Oil UST (9080 L) – Unitarian Church of Ottawa | Installed 1966 | 28 |
| 801 Richmond Rd | 15 | S | Coal yard, Gasoline UST (4540 L) - Leafloor Bros Ltd<br>Motor Vehicle Repair Shop – Dave Rennie's Autocare | UST Inst. 1960<br>2005-present | 28, 10 |
| 771 Richmond Rd | 50 | E | Two gasoline USTs – Gasoline Service Station (unnamed) | Unknown | 28 |
| Between Richmond Rd and Byron Ave | 60 | S | Ottawa Electric Railway – streetcar public transit system. Ran parallel to Richmond Rd, adjacent to Byron Ave. | Approx. 1906-1954 | 46 |

**PCAs Identified Through HLUI Review**

| Address | Dist. (m) | Dir. | Type of Facility and Description (HLUI) | Reference Date Range | PCA # (O. Reg 153/04) |
|---|---|---|---|---|---|
| 75 Cleary Ave | 60 | E | Four gasolines storage tanks (total 13000 gal, unspecified whether above or below ground), three fuel oil tanks (total 1000+ gal, two are USTs), one waste oil tank (1000 gal) – Gasoline Service Station - Sunoco Energy Inc. | 1955-1980 | 28 |
| 851 Richmond Rd | 100 | S | Three diesel fuel ASTs – Sunlight Oil Co<br>Three gasoline USTs (three 13,620 L tanks) - BP Canada Gas Station | 1939-1958<br>Inst. 1958 | 28 |
| 865 Richmond | 140 | S | Two USTs (unknown product type or size) – BP Canada Gas Station | Approx. 1948-1970 | 28 |
| 747 Richmond Rd | 150 | E | Multiple gasoline and fuel oil USTs – Shell Gas Station<br>Dry cleaning depot (unnamed) | Inst. 1954, 1964, 1974<br>2006 | 28, 37 |
| 739 Richmond Rd | 180 | E | Two USTs (unknown product type or size) – Unnamed Gasoline Service Station | FIP year 1956 | 28 |
| 875 Richmond | 220 | S | Three gasoline USTs – Capital City Gas<br>Gasoline Service Stations:<br>- Saveway Gas<br>- Little Oil Company Ltd. | Inst. 1972<br>1990<br>1980 | 28 |

## 4.3 Physical Setting Sources

### 4.3.1 Aerial Imagery

WSP reviewed aerial photographs available through the GeoOttawa website. A summary of aerial photograph observations as they relate to the Phase One Property and study area is provided in the below table.

| Year | Source | Phase One Property | Phase One Study Area |
|---|---|---|---|
| 1958 | GeoOttawa | The Phase One Property appears to be mostly undeveloped forested area, with a single unit residential building on the east side of the Property and what appears to be a railway cutting through the southeast area of the Site. | Immediately adjacent properties to the north and northwest appear to be forested areas. To the west are single unit residential areas. To the south and southeast are the railway and a few buildings that appear to be commercial/industrial in nature.<br>In the greater Phase One Study Area the following observations can be made:<br>▪ North: Appears to be forested area with a few single unit houses, followed by the Ottawa River.<br>▪ West: Several blocks of single unit residential. What appears to be the former BP Canada Gas station, with ATSs is present southwest of the Site between Richmond and the railway.<br>▪ South and East: What appears to be a railway runs northeast southwest, followed by a row of buildings that appear to be commercial/industrial by nature. On the far side of those buildings are two complexes of 7 and 10 multi-story residential buildings, followed by a few rows of single-unit residential buildings. Two possible gas stations appear to be present on the west side of 75 Cleary Avenue and on 747 Richmond Road. |
| 1965 | GeoOttawa | There are no notable changes to the Phase One Property in comparison to the 1958 photo. | Changes to the Study Area include:<br>▪ Two roads matching the present-day parkway autoroute have been built, cutting through the northern portion of the Study Area<br>▪ A few more commercial/industrial buildings have been built on the far side of the railway.<br>▪ A high-rise building has been built on the far side of what is today Richmond Rd, at the intersection of Byron Ave and Sherbourne Rd. |
| 1976 | GeoOttawa | A new pathway/parking lot has been built through the middle of the Property. | Changes to the directly adjacent properties are as follows:<br>▪ A large building has been built directly to the northwest of the Site, matching the present day of the Unitarian church. A parking lot area has been added alongside the new building as well.<br>Changes to the greater Study Area include:<br>▪ A large high-rise residential building has been built at the southern edge of the study area.<br>▪ The previously noted ASTs and gas station to the southwest are no longer visible. |

| Year | Source | Phase One Property | Phase One Study Area |
|---|---|---|---|
| 1999 | GeoOttawa | The Phase One Property has been developed into mostly parking lot surrounding a few areas of greenery and trees. | Changes to the directly adjacent properties are as follows:<br>▪ A large multi-story L-shaped building matching the present-day building has been built directly to the northeast of the Site.<br>▪ A new parking lot for this L-shaped building has been built beside it. A network of trails has been added to the north of the parking lot.<br>▪ Cleary Ave has been built.<br>▪ The row of commercial buildings to the southeast of the Site has been further developed, with parking lots filling in all the space between buildings.<br>▪ Gas stations noted at 75 Cleary Avenue and 797 Richmond Road are no longer present. |
| 2008 | GeoOttawa | No notable changes since the 1999 photo. | Changes to the Study Area include:<br>▪ A large single-story triangle-shaped building matching the present-day River Parkway Children's Centre, has been built directly south of the Site.<br>▪ A few backyard pools have been built in the residential neighbourhood to the west of the Site.<br>▪ One of the commercial buildings directly to the east of the Site has been demolished and the lot appears to be under construction. |
| 2015 | GeoOttawa | No notable changes since the 2008 photo. | Changes to the Study Area include:<br>▪ A large high-rise building has been built at the previously mentioned under-construction site, to the east of the Site. |
| 2021 | GeoOttawa | No notable changes since the 2021 photo. | Changes to the Study Area include:<br>▪ A new building is under construction in the southern portion of the Study Area, on Richmond Rd.<br>▪ What appears to be a construction site has been added to the northeast of the Site, along on the parkway. |

The gas stations and fuel storage tanks at 851 Richmond Road and at 75 Cleary Avenue and 747 Richmond Road present to the southeast and southwest of the were the only PCAs within the Phase One Study Area. No PCAs were identified on the Phase One Property. Further discussion of PCAs can be found in Section 7.

### 4.3.2 Topography, Hydrology and Geology

The following records were reviewed to identify topographic, geologic and hydrogeological conditions at the Site. Additional information on site features, as observed at the time of the Site visit, is provided in Section 6.

| Topic | Conditions | Comment / Source |
|---|---|---|
| Topography of Site and Surrounding Area | The Phase One Property is located on a topographic flat area with an elevation of approximately 62 m above sea level (MASL). The Site is sloping slightly down to the north from Richmond Rd, with the gravel parking area to the south being higher elevation than the paved portion of the parking area to the north. | Site and surrounding area observations, GeoOttawa online mapping tool. |
| Site Grade Relative to the Adjoining Properties | The Site grade is relatively at the same level as the adjoining properties (within 1 metre) to the east, west and north with Richmond Road to the south being slightly higher elevation than the Phase One Property. | Topographic map and visual observations |
| Surface Runoff | There are no permanent surface water bodies or areas of standing water on the Phase One Property, however the Ottawa River is within the Study Area. Runoff from the Property is directed to five storm sewer manholes located on the Phase One Property. | Site and surrounding area observations, GeoOttawa online mapping tool. |
| Overburden Soils | Based on geological mapping, the Phase One Property overburden is stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain. This till is about 2.44 metres thick. | Ontario Geological Survey (OGS), 2010. Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern<br><br>MECP, 2023 |
| Type of Bedrock | Bedrock is expected to be Middle Ordovician limestone, dolostone, shale, arkose, and sandstone from the Ottawa and Simcoe Groups and the Shadow Lake Formation. | OGS, 2011 |
| Depth to Bedrock | Depth to bedrock ranges from 0.86 - 2.43 m below ground surface (mbgs). | WSP Geotechnical Investigation, 2023 |
| Inferred Near Surface Groundwater Flow | Based on topography and orientation of surface water bodies shallow groundwater at the Site is expected to flow toward the NNW. However, shallow groundwater flow on the Phase One Property and in the Phase One Study Area may be variable and influenced by the presence of subsurface utilities. Regional groundwater flow is expected to be toward the Ottawa River, located to the west and north of the Phase One Property. | GeoOttawa and visual observations |
| Depth to Groundwater | Based on WSP's 2023 Geotechnical investigation, depth to groundwater ranges from approximately 3.39 to 3.59 mbgs. | WSP Geotechnical Investigation, 2023 |

### 4.3.3 Fill Materials

| Topic | Conditions | Comment / Source |
|---|---|---|
| Fill Materials | Fill was likely used during development and grading of the property for the current use. The presence of fill of unknown quality on the Site is considered a PCA | Records Review (FIP, HLUI, Aerial Images) |

Restrictions on the quality of soil used to backfill/infill and grade properties which exist under the current provincial regulatory framework were not in place in when the Site was historically redeveloped. It is therefore possible that low quality materials (e.g. construction debris, contaminated soils) could have been used to grade the Phase One Property.

### 4.3.4 Water Bodies and Areas of Natural Significance

| Topic | Conditions | Comment / Source |
|---|---|---|
| Nearest Open Water Body | The nearest open water body is the Ottawa River, which is to the north and west of the Property. The closest part of the river to the Site is about 130 metres to the north. | GeoOttawa, Site visit |
| Areas of Natural and Scientific Interest (ANSI) | No ANSI on Phase One Property or within Phase One Study Area. | Ontario Ministry of Natural Resources Areas of Natural and Scientific Interest (ANSI) map |
| Provincial Parks or Conservation Reserves | No provincial parks or conservation reserves on Phase One Property or within Phase One Study Area. | Ministry of Natural Resources Natural Heritage Information Centre on-line database. |
| Provincially Significant Wetlands or Designated Wilderness Areas | No provincially significant wetlands or designated wilderness areas on Phase One Property or within Phase One Study Area. | Ministry of Natural Resources Natural Heritage Information Centre on-line database. |
| Environmentally Significant Areas per Municipal Official Plan(s) | No environmentally significant areas on Phase One Property or within Phase One Study Area. | City of Ottawa Conservation Areas website |
| Threatened or Endangered Species Habitat | A natural heritage report was not available for review. | No resources available |
| Wellhead Protection Areas | The Phase One Study Area is not located within a wellhead protection area or other area identified by a municipality in its official plan for the protection of ground water. | MECP Source Protection Atlas, Official Plans |
| Municipal Drinking Water Distribution Systems | Municipal distribution system. | Site visit, GeoOttawa |

### 4.3.5 Well Records

| Topic | Conditions (Well Record No.) | Comment / Source |
|---|---|---|
| Well Records | One WWIS record associated with the Phase One Property address is related to a monitoring well located on the southeastern portion of the Property. This record, from 2011, indicates that overburden consists of packed till. A more detailed description was not given. Reported depth to bedrock at this well is 2.44 m below ground surface (bgs). The bedrock is described as shale that turns to limestone at a depth of 19.8 mbgs.<br><br>The 19 WWIS records identified in the Phase One Study Area, primarily relate to geotechnical investigations as part of the construction of the high-rise at 747 Richmond, and other buildings along Richmond in this area. There are a few records dating back to 1952/1953 relating to drinking water quality monitoring. No additional PCAs above those already noted in previous sections were identified. | ERIS Report, MECP WWIS |

## 4.4 Site Operating Records

Based on information acquired during this Phase One ESA, the Phase One Property was partially vacant, partially used for small residential buildings, and partially used for railway tracks as of 1948. Between 1965 and 1976, the railway tracks were removed, and the off-site Unitarian Church was built. At this time, part of the lot is still vacant forested land, and part is gravel parking for the Church. As of 1999 (interviewees say 1982), the Phase One Property becomes partially paved. This remains the current use of the Property: parking (partially paved, partially gravel) and undeveloped forested/grassy area.

# 5.0 INTERVIEWS

Interviews consisted of requesting that Theia identify the person(s) meeting the general and specific objectives of the Phase One ESA (i.e. most knowledgeable of the history and operations of the Phase One Property and study area). Theia proposed the interview be conducted with Bill Van Iterson and Terry Kimmel.

Bill and Terry were asked questions related to current and historical operations at the facility. Information gathered from the interviews is provided where relevant throughout this report. The most relevant information gathered from the interviewees (site representatives) concerning PCAs or APECs is as follows:

- The First Unitarian Church bought the property in 1967. Since then, the Site has not been used for any purposes other than parking.
- From 1967-1982, the land was partially vacant grassy land, partially gravelled parking area. Around approximately 1982, the Unitarian House (large L-shaped building to west of Site) was built, as well as the current parking lot layout.
- There is likely a small oil storage tank in a small addition to the Church, which houses their backup generator. No other known fuel storage on the Site.

- Other than the previously noted compost storage area, there are no sites for waste disposal.
- There are no groundwater wells on the Property used for drinking water.
- No known spills on the Site.
- No environmental investigations have been done on the Phase One Property since 1967.
- No known major filling or grading done on the Site that required the importation of large amounts of soil.
- No known vehicle/equipment servicing done on the Site.

# 6.0 SITE RECONNAISSANCE

## 6.1 General Requirements

The site reconnaissance consisted of one site visit. The site visit was conducted by Keith Holmes of WSP. Keith is a Qualified Person under O. Reg. 153/04 for the purpose of conducting or supervising a Phase One ESA. Pertinent details of the site visit are included in the below table.

| Date | Time and Duration | Personnel |
|---|---|---|
| August 22, 2023 | 11:30 am, 2 hrs | Keith Holmes |

All areas of the Site were accessible during the site visit. Photographs taken during the site visits are presented in Appendix D.

## 6.2 Specific Observations at Phase One Property

The Site is currently occupied by a paved and gravel parking with undeveloped treed land located on the western and northern-most portion of the Site. The Site is situated between residential and institutional buildings located to the south and east of the Site. These buildings are part of the larger 30 Cleary Avenue property but are not included in the Site. The Site is accessed via Richmond Road.

No waste storage or chemical storage was noted on the Property, however there is compost bin storage on the east side of the paved parking lot and there was an open storage building containing landscaping equipment and materials on the south side of the gravel parking area.

Adjacent land uses were noted to be supplied by natural gas however, the residential building to the west-southwest of the Site was noted to have piping for a fuel AST for back up power. To the north of the Site is vacant forest followed by the parkway. To the south is commercial buildings and residential towers along Richmond Rd followed by the light rail train (LRT) trench which was actively under construction at the time of the site visit. The property bordering the southern gravel parking lot was being used as a vehicle service garage, however no bulk fuel/waste oil storage was observed at this property. This garage is still considered a PCA.

The Site grade was sloping to the north from Richmond Road with the gravel parking area being higher in elevation than the paved portion of parking.

### 6.2.1 Above-Ground Structures

#### *6.2.1.1 Current Above-Ground Structures*

The only current above-ground structures are a small storage building containing landscaping equipment and materials on the south side of the gravel parking area, as well as a compost bin storage on the east side of the paved parking lot.

#### *6.2.1.2 Historical Above-Ground Structures*

No additional above-ground structures are known to have existed at the Phase One Property in the past.

### 6.2.2 Below-Ground Structures

#### *6.2.2.1 Current Below-Ground Structures*

With the exception of sewers and other buried utilities, there are no known below ground structures at the Phase One Property.

#### *6.2.2.2 Historical Below-Ground Structures*

No additional below-ground structures are known to have existed at the Phase One Property in the past.

### 6.2.3 Site Operations

#### *6.2.3.1 Current Site Operations*

The Phase One Property is currently being operated as a parking lot for the First Unitarian Church.

#### *6.2.3.2 Historical Site Operations*

Based on information acquired during this Phase One ESA, the Phase One Property was partially vacant, partially used for small residential buildings, and partially used for railway tracks as of 1948. Between 1965 and 1976, the railway tracks were removed, and the off-site Unitarian Church (1076) was built. At this time, part of the Property is still vacant forested land, and part is gravel parking for the Church. As of 1999 (interviewees say 1982), the Phase One Property becomes partially paved for parking. This remains the current use of the Property: parking (partially paved, partially gravel) and undeveloped forested/grassy area.

### 6.2.4 Hazardous Waste

As noted in Section 4.2.1, there are no waste generator records associated with the Phase One Property.

### 6.2.5 Drains and Sumps

No drains or sumps were present in records or observed during site reconnaissance.

### 6.2.6 Mechanical Equipment

The only present equipment on the Property is the landscaping equipment stored in the small building on the south side of the gravel parking area.

### 6.2.7 Storage Tanks

WSP submitted a TSSA (Technical Standards and Safety Authority) request to search for records of fuel storage tanks on the Phase One Property or on surrounding properties. No records of fuel storage tanks were found in their database. The City of Ottawa HLUI search yielded a building permit application drawing showing a UST located 40 m from the Phase One Property between the two office buildings to the west, northwest. The UST was not observed at the time of the site visit and could have been obscured by current landscaping.

### 6.2.8 Spills and Releases

No spill records associated with the Phase One Property were identified in the ERIS search. No evidence of spills was noted during the site reconnaissance.

### 6.2.9 General Utility Services

There are no utility services for the Phase One Property. Utilities are available nearby, but there are no buildings on the Property, so no utilities have been connected to the Property.

### 6.2.10 Solid Waste Generation, Storage and Disposal

The only waste disposal on the Property is the compost bin on the east side of the paved parking lot. No other reported solid waste generation, storage, or disposal from/on the Phase One Property exist.

### 6.2.11 Air Emissions

There are no reported/registered air emissions associated with the Phase One Property.

### 6.2.12 Water Sources

As stated above, there are no utilities connected to the Phase One Property.

### 6.2.13 Wells

No wells (as defined in or under the Ontario Water Resources Act and the Oil, Gas and Salt Resources Act) were identified on the Phase One Property during the site reconnaissance.

### 6.2.14 Sewage Works

Based on observations made during the site reconnaissance and information collected during the records review, there are no sewage works present at the Phase One Property.

### 6.2.15 Ground Cover

The total area of the Phase One Property is approximately 10,890 $m^2$. Ground cover at the Phase One Property is broken down as follows:

- Approximately 60% undeveloped treed area
- Approximately 40% parking area/roadway (paved/gravel)

### 6.2.16 Fill Material

Evidence of fill material was noted during the site visit. The presence of fill material of unknown quality is identified as a PCA.

### 6.2.17 Railway Lines and Rail Spurs

Based on information collected during the historical records review, the Canadian Pacific Railway rail corridor ran through the south of the Property until it was removed sometime between 1965 and 1976. The 1948 and 1956 FIPs and 1965 aerial photo show a rail track traversing the south-east portion of the Phase One Property, adjacent to a row of northeast-southwest oriented rectangular buildings. The historical railway related activity at the Phase One Property is identified as a PCA.

### 6.2.18 Special Attention Substances

There are no special attention substances records related with the Phase One Property.

### 6.2.19 Potentially Contaminating Activities

The presence of fill of unknown origin used in the historical grading of the Site was the only PCA as described in Table 2, Schedule D of O.Reg. 153/04 that was identified on the Phase One Property as a result of the site visit. The former railway and UST referenced in this section are also considered PCAs but were not observed at the time of the Site visit.

### 6.2.20 Unidentified Substances

There were no unidentified substances of note at the Phase One Property during the site visit.

### 6.2.21 Enhanced Investigation of Property

The Phase One Property is not considered an “enhanced investigation property,” as defined by O.Reg.153/04.

## 6.3 Investigation of Phase One Study Area

The site reconnaissance of the Phase One Study Area (other than the Phase One Property) was carried out as required by Section 14 of Schedule D in O. Reg. 153/04 to identify, locate and document PCAs, water bodies and areas of natural significance in the part of the Phase One Study Area that is outside of the Phase One Property and that is not covered by buildings or other structures. The investigation involved a combination of walking and windshield reconnaissance.

The auto repair shop (Dave Rennie’s) to the south of the Phase One Property was the only off-site PCA identified during the site reconnaissance. No relevant or significant observations pertaining to water bodies or areas of natural significance within the Phase One Study Area were made during the site reconnaissance.

## 6.4 Summary of Investigation

The investigations associated with the site reconnaissance of the Phase One Property and study area (as described in 6.1, 6.2, and 6.3 including subsections) involved one site visit and associated inquiries in accordance with Sections 13 and 14 of Schedule D in O. Reg 153/04 (as amended).

Two PCAs were identified within the Phase One Property and Phase One Study Area as a result of the site reconnaissance: the presence of fill of unknown origin used in the historical grading of the Site and the auto repair shop (Dave Rennie’s) to the south of the Phase One Property.

# 7.0 REVIEW AND EVALUATION OF INFORMATION

## 7.1 Current and Past Uses of the Phase One Property

The table below provides a description of the current and past uses of the Phase One Property to its first developed use, as per Section 16 of Schedule D of O. Reg. 153/04.

| Year | Name of Owner | Description of Property Use | Property Use | Other Observations from Aerial Photographs, Fire Insurance Plans, Etc. |
|---|---|---|---|---|
| **1948- 1967** | Crown land and/or private owners (unknown). Canadian Pacific Railway owned a portion of the Phase One Property along the southern limit | Some small residential buildings on west side of Property. Rail tracks in southeast portion. | Vacant, residential, railway. | Aerial photographs and FIPs from 1948-1965 indicate a few small residential buildings on the west side of the Property. Not listed in City Directory, their address is likely listed on a street to the west of the Property. Canadian Pacific Railway crosses southeastern portion of Property. Appears to be undeveloped forested area other than that. |
| **1967-Present** | First Unitarian Congregation of Ottawa | Parking lot, undeveloped forested land | Parking lot | Gravel parking lot and forested land until 1982, when the present-day paved parking area was added. |

## 7.2 Potentially Contaminating Activities

### 7.2.1 On the Phase One Property

PCAs identified on the Phase One Property as a result of the records review, interviews and site reconnaissance. are documented in the below table (as prescribed by O. Reg. 153/04 under Schedule D, Table 2). Refer to Figure 3 for locations of the PCAs.

| Location | PCA Category | Description | Information Source | Rationale for Potential Contribution of the PCA to an APEC |
|---|---|---|---|---|
| Phase One Property | 46. Rail Yards, Tracks and Spurs | From approximately the late 1940s to mid 1960s, a rail track traversed the southeast portion of the Phase One Property, adjacent to a row of northeast-southwest oriented rectangular commercial buildings on the far side of the rail track. | Aerial photos, FIPs | The PCA is located on the Phase One Property and must be identified as an APEC. (APEC 1) |
| | 30. Importation of Fill Material of Unknown Quality | Fill quality is unknown and therefore of concern. Multiple redevelopments of Site have happened in the past, fill quality not documented. | Aerial photos | The PCA is located on the Phase One Property and must be identified as an APEC. (APEC 2) |

### 7.2.2 In the Phase One Study Area

PCAs that were identified within the Phase One Study Area (other than the Phase One Property) as a result of the records review, interviews and site reconnaissance (as prescribed by O. Reg. 153/04 under Schedule D, Table 2) are documented in the below table. PCAs in the Phase One Study Area are shown on Figure 3.

Given the high volume of PCAs in the Phase One Study Area, those that have been carried forward in consideration of APECs have been shaded light grey for ease of reference in Section 7.3.

**PCAs and Spills Within Study Area, Other than Phase One Property**

| PCA Category | Location | | | Description | Years | Rationale for Potential Contribution of the PCA to an APEC |
|---|---|---|---|---|---|---|
| | Address | Dist. (m) | Dir. | | | |
| 28, 10 | 801 Richmond Rd | 5-10 | S | Gasoline UST (4540 L) and coal yard - Leafloor Bros Coal and Wood<br><br>Dave Rennie's Auto Repair shop | UST Installed 1960, coal shed present in 1948 and 1956.<br><br>1996-present | PCA is upgradient of Site. Given nature of chemicals used in auto garages, and former storage of coal, PCA is carried forward as contributing to APEC 1. |
| 28 | Unitarian Church of Ottawa (adjacent to east of Property) | 40 | E | Fuel Oil UST (9080 L) – Unitarian Church of Ottawa | Installed 1966 | UST is cross gradient/downgradient location with respect to groundwater flow direction. As such, PCA is not considered to result in an APEC. |
| 28 | 775 Richmond Rd | 40 | E | Two gasoline USTs – Gasoline Service Station (unnamed) | FIP years 1948-1956 | PCA is in close proximity and is upgradient of Site. PCA is carried forward as contributing to APEC 1. |
| 46 | Between Richmond Rd and Byron Ave | 60 | S | Ottawa Electric Railway – streetcar public transit system. Ran parallel to Richmond Rd, adjacent to Byron Ave. | Approx. 1906-1954 | Given distance from the Site and relatively immobile nature of the contaminants associated with this PCA (railway fill), this PCA is not considered to result in an APEC. As well, this infrastructure has been removed as part of the current LRT construction. |

**PCAs and Spills Within Study Area, Other than Phase One Property**

| PCA Category | Location | | | Description | Years | Rationale for Potential Contribution of the PCA to an APEC |
|---|---|---|---|---|---|---|
| | Address | Dist. (m) | Dir. | | | |
| 28 | 75 Cleary Ave | 60 | E | Four gasoline storage tanks (total 13,000 gal, unspecified whether AST or UST), three fuel oil tanks (total 1000+ gal, two are USTs), one waste oil tank (1000 gal) – Gasoline Service Station - Sunoco Energy Inc. | 1955-1980 | PCA is upgradient of Site with respect to groundwater flow direction. Given high volume of contaminant storage, PCA is carried forward as contributing to APECs 1. |
| -- | Kichi Zībī Mīkan Parkway and Cleary Ave | 80 | E | SPL – Hydraulic oil leak from crane (Kiewit Eurovia Vinci (KEV)) | 2021 | Spill is downgradient of Site with respect to groundwater flow direction. As such, spill is not considered to result in an APEC. |
| 28 | 851 Richmond Rd | 100 | S | Gasoline ASTs (Sunlight Oil Co.)<br><br>Three gasoline USTs (three 13,620 L tanks) - BP Canada Gas Station | 1939-1958<br><br>Inst. 1958 | PCA is cross gradient/upgradient of Site with respect to groundwater flow direction. Given large quantities of gasoline USTs, PCA is carried forward as contributing to APECs 3. |
| 28 | 865 Richmond | 140 | S | Two USTs (unknown product type or size) – BP Canada Gas Station | Approx. 1948-1970 | Based on groundwater flow direction and distance from the Site, this PCA is not considered to result in an APEC. |
| -- | Sherbourne Rd and Byron Ave | 140 | S | SPLa – 5L hydraulic oil to ground (KEV)<br>SPLb – 2L diesel exhaust fluid to soil (KEV)<br>SPLc – 20L hydraulic oil to rock floor of tunnel (KEV)<br>SPLd – 1L diesel to soil (KEV) | SPLa – 2021<br>SPLb – 2021<br>SPLc – 2021<br>SPLd – 2021 | Given distance from the Site and small quantities of spills, these are not considered to result in an APEC. |
| 28, 37 | 747 Richmond Rd | 150 | E | Multiple gasoline and fuel oil USTs – Shell Gas Station<br><br>Dry cleaning depot (unnamed) | Inst. 1954, 1964, 1974<br><br>2006 | Based on distance from the Site and cross gradient location with respect to groundwater flow direction, these PCAs are not considered to result in an APEC. |

**PCAs and Spills Within Study Area, Other than Phase One Property**

| PCA Category | Location | | | Description | Years | Rationale for Potential Contribution of the PCA to an APEC |
|---|---|---|---|---|---|---|
| | Address | Dist. (m) | Dir. | | | |
| -- | Just east of 75 Cleary Ave | 160 | E | SPL – 0.5L unknown hydrocarbons (KEV) | 2021 | Given low quantity of spill and distance from Site, spill is not considered to result in an APEC. |
| -- | 2122 Wayne Ave | 170 | W | SPL – 20L hydraulic oil to land (Lehigh Hanson Canada ULC) | 2019 | Given low quantity of spill and distance from Site, spill is not considered to result in an APEC. |
| -- | Byron Park to the east across from 851 Richmond Rd | 180 | S | SPL – 1L hydraulic oil to soil and rock (KEV) | 2021 | Given low quantity of spill and distance from Site, spill is not considered to result in an APEC. |
| 28 | 739 Richmond Rd | 180 | E | Two USTs (unknown product type or size) – Unnamed Gasoline Service Station | FIP year 1956 | Based on the distance from the Site and cross gradient location with respect to groundwater flow direction, this PCA is not considered to result in an APEC. |
| -- | Clearly Ave and Richmond Rd | 190 | E | SPL – 100L diesel to ground (no client name given)<br>SPL – 20L hydraulic oil to asphalt and walkway (unnamed client)<br>SPL – 1L grease spill (KEV)<br>SPe – 5L hydraulic oil to ground (KEV) | 2016<br>2021<br>2021<br>2021 | Based on distance from sit and quantity of spills, these are not considered to result in an APEC. As well, any spill reported in the last 15 years would have required action by MECP. |
| -- | Near 100 Byron Ave | 220 | S | SPL – 2L hydraulic oil to excavated pit with snow melt (KEV) | 2021 | Given low quantity of spill and distance from Site, spill is not considered to result in an APEC. |
| 28 | 875 Richmond | 220 | S | Three gasoline USTs – Capital City Gas<br>Gasoline Service Stations:<br>▪ Saveway Gas<br>▪ Little Oil Company Ltd. | Inst. 1972<br>1990<br>1980 | Based on distance from the Site and cross gradient location relative to groundwater flow direction, these PCAs are not considered to result in an APEC. |

**PCAs and Spills Within Study Area, Other than Phase One Property**

| PCA Category | Location | | | Description | Years | Rationale for Potential Contribution of the PCA to an APEC |
|---|---|---|---|---|---|---|
| | Address | Dist. (m) | Dir. | | | |
| -- | Richmond Rd and Redwood Ave | 230 | E | SPL – 1L hydraulic oil spill | 2021 | Given low quantity of spill and distance from Site, this spill is not considered to result in an APEC. |

## 7.3 Areas of Potential Environmental Concern

The table below identifies and describes APECs in accordance with clause 16 (2) (a) in Schedule D of O. Reg. 153/04. Each PCA was evaluated in accordance with the criteria described in Section 7.3.1. Refer to Figure 4 for location of APECs on the Phase One Property. See Section 7.3.2 for further description of contaminants of potential concern (COPCs).

| Area of Potential Environmental Concern (APEC)[1] | Location of APEC on Phase One Property | PCA No.[2] | PCA – on-site or off-site | Contaminants of Potential Concern (COPCs)[3] | Media Potentially Impacted |
|---|---|---|---|---|---|
| **APEC-1**<br>Southeast gravel parking area<br>▪ Former railway on-site<br>▪ Multiple gasoline service stations off-site<br>▪ Auto repair shop off-site | Southeast corner of Property. | 46,<br>28,<br>10, | On-site and off-site | PHCs<br>BTEX<br>PAHs<br>Metals | Soil and Groundwater |
| **APEC-2**<br>Entire Phase One Property<br>▪ Fill material of unknown quality | Entire Phase One Property | 30 | On-site | PHCs<br>BTEX<br>PAHs<br>Metals<br>Inorganics | Soil |
| **APEC-3**<br>Southwest corner of Property<br>▪ Multiple gasoline USTs and ASTs off-site<br>▪ Multiple gasoline service stations off-site | L-shaped section in the southwest corner of the Property, extending halfway up the western boundary and the same distance along a portion of the southern boundary. | 28 | Off-site | PHCs<br>BTEX | Soil and Groundwater |

**Notes**

1 Area of potential environmental concern means the area on, in or under a Phase One Property where one or more contaminants are potentially present, as determined through the phase one environmental site assessment, including through, •(a) identification of past or present uses on, in or under the Phase One Property, and •(b) identification of potentially contaminating activity.
2 Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D that is occurring or has occurred in a Phase One Study Area
3 Contaminants of potential concern specified using the method groups as identified in the "Protocol for in the Assessment of Properties under Part XV.1 of the Environmental Protection Act, March 9, 2004, amended as of July 1, 2011
4 PHCs = Petroleum hydrocarbons. BTEX = Benzene, toluene, ethyl benzene, Xylenes. PAHs = Polycyclic aromatic hydrocarbons. VOCs = Volatile organic compounds.

### 7.3.1 Evaluation and Reasoning

WSP's evaluation related to the existence of APECs on, in or under the Phase One Property was based on the review of available information and exercise of professional judgement. All of the identified PCAs were evaluated in the context of:

- Distance and direction from the Site in relation to the inferred direction of groundwater flow.
- The age of the PCA.
- Changes/redevelopment to the property on which the PCA is located since the occurrence of the PCA.
- The potential for the PCA to generate lasting, mobile contamination.

PCAs were not carried forward as APECs if the above evaluation determined that they did not have potential of posing an actual risk to the environmental condition of the Phase One Property. All of the PCAs identified on the Phase One Property have been carried forward as APECs based on the evidence collected through the Phase One ESA and the above evaluation. Select PCAs identified within the study area (other than the Phase One Property) were carried forward and included in/influenced APECs at the Phase One Property for the following logic and reasoning:

- Multiple gasoline service stations and auto repair shop – **APEC 1** on gravel parking area in southwest side of Phase One Property based on proximity, groundwater flow direction, and nature of operations.
- Multiple gasoline stations with USTs and ASTs – **APEC 3** on southwest corner of Phase One Property based on proximity, groundwater flow direction, and nature of operations.

No other PCAs from the broader Phase One Study Area were carried forward as APECs based on the evaluation criteria.

### 7.3.2 Summary Description and Rationale for COPCs

COPCs identified in one or more APECs at the Phase One Property include the following:

- Benzene, toluene, ethylbenzene and xylenes (BTEX)
- Petroleum Hydrocarbons (PHCs)
- Polycyclic Aromatic Hydrocarbons (PAHs)
- Metals
- Inorganics

COPCs identified with respect to each APEC are summarized the following table.

| APEC | Rational for COPCs |
|---|---|
| **APEC 1 – Southeast gravel parking area**<br>PHCs<br>BTEX<br>PAHs<br>Metals | **Former Railway**<br>The primary concern associated with the former rail tracks is past loading and off-loading and potential spills of petroleum or other potentially hazardous substances associated with surrounding industrial activities of the time. The rail ties themselves may have been treated with creosote. COPCs associated with the railways and coal yard are PHCs/BTEX, PAHs, and metals.<br><br>**Dave Rennie's Auto Repair Shop**<br>Auto repair shops can be a significant source of contamination. Solvents, degreasers, brake cleaners, and other chemicals used in these shops can create mobile and long-lasting contamination of soils and groundwater. COPCs include PHCs, BTEX, PAHs, and metals.<br><br>**Gasoline Service Stations, Gasoline USTs/ASTs**<br>COPCs associated with petroleum products and storage tanks are PHCs, BTEX. |
| **APEC 2 – Entire Phase One Property**<br>PHCs<br>BTEX<br>PAHs<br>Metals<br>Inorganics | Imported fill material associated with development of the Site has not been proven to be clean of potential COPCs through analytical testing. |
| **APEC 3 – Southwest corner of Property**<br>PHCs<br>BTEX | **Gasoline Service Stations, Gasoline and Fuel Oil USTs/ASTs**<br>COPCs associated with petroleum products and storage tanks are PHCs, BTEX. |

### 7.3.3 Uncertainties

Subsection (6) of Schedule D of O. Reg 153/04 requires consideration and documentation of how any uncertainty or absence of information obtained in each of the components of the Phase One ESA could affect the validity of the conclusions, tables and phase one conceptual site model (refer to Section 7.4 for further description of the phase one conceptual site model).

**Records Review**

Some of the records information provided from various sources does not contain enough information to conclusively determine if the record is indicative of a PCA. Similarly, volumes of potential contaminants associated with records in the city directory/HLUI/ERIS for various land uses (e.g. manufacturers or institutions) can not be determined.

Other common Phase One ESA uncertainties are associated with lack of FIP coverage, aerial photographs with small scale coverage (i.e. small detail vs. large detail), limited or no information received from the MECP, and unplottable records in the ERIS report.

The above noted uncertainties associated with the records review do not affect the conclusions of the Phase One ESA because the conclusions take into account the above-described uncertainties while considering other evidence and factors.

**Interviews**

There are uncertainties associated with the potential for limited direct knowledge of the older history of the Phase One Property prior to the interviewee's involvement. Uncertainty associated with the interviews does not affect the conclusions of the Phase One ESA because the conclusions are conservative and take into account the above-described uncertainty.

## 7.4 Phase One Conceptual Site Model

As part of the requirements of Part V in Schedule D of O. Reg. 153/04, a phase one conceptual site model (CSM) was developed as part of the review and evaluation.

The phase one CSM consists of a figure and narrative descriptions that are intended to illustrate the results of the Phase One ESA and to provide a basis of further work if required.

The phase one CSM is illustrated in Figures 3 and 4. The narrative is provided below, in accordance with the mandatory requirements of Table 1 of Schedule D.

### 7.4.1 Areas of PCAs Potentially Affecting the Phase One Property

Refer to Section 7.2 for a description of areas of PCAs identified on the Phase One Property and in the Phase One Study Area. Refer to Section 7.3 for a description of APECs on the Phase One Property based on the identified PCAs.

### 7.4.2 Potential Influence of Underground Utilities

COPCs have the potential to preferentially migrate in utility backfills at and surrounding the Phase One Property. It is possible that potential impacts associated with off-site PCAs could be intercepted by intervening underground utilities, however; they remain a concern due to their proximity to the Phase One Property and potential for impacts that may extend deeper than utility trenches.

### 7.4.3 Regional or Site Specific Geological/Hydrogeological Information

Based on the records review the following is likely true of the Phase One Property:

- Based on geological mapping, the Phase One Property overburden is stone-poor, sandy silt to silty sand-textured till on Paleozoic terrain. The thickness of this till ranges from approximately 0.3 – 1.7 m. Monitoring well records associated with the Phase One Property indicate that unconsolidated material beneath the Phase One Property consists primarily of packed till materials.
- Bedrock is expected to be Middle Ordovician limestone and shale from the Ottawa and Simcoe Groups and the Shadow Lake Formation.
- The Phase One Property is located on a topographic flat area with and elevation of approximately 62 m above sea level (MASL). The Site is sloping down to the north from Richmond Rd, with the gravel parking area to the south being higher elevation than the paved portion of the parking area to the north.

- Based on WSP's 2023 Geotechnical investigation, depth to groundwater ranges from approximately 3.39 to 3.59 mbgs.
- There are no permanent surface water bodies or areas of standing water on the Phase One Property. The nearest open water body is the Ottawa River, which is to the north and west of the Property. The closest part of the river to the Site is about 130 metres to the north.
- Surface runoff is directed to five storm sewer manholes located on the Phase One Property.
- Based on topography and orientation of surface water bodies shallow groundwater at the Site is expected to flow toward the northwest. However, shallow groundwater flow on the Phase One Property and in the Phase One Study Area may be variable and influenced by the presence of subsurface utilities. Regional groundwater flow is expected to be toward the Ottawa River, located to the northwest of the Phase One Property.

### 7.4.4 Uncertainties Associated with CSM

Uncertainties associated with the Phase One ESA are identified in Section 7.3.3 and can also be considered for the phase one CSM.

Additional uncertainties to consider from the context of the CSM include:

- Location and distribution of COPCs laterally and vertically across the Site.
- Site utilities and unknown effect of utilities on migration patterns of COPCs.
- Varying COPCs and differing migration behaviours in soils and groundwater.

## 8.0 CONCLUSIONS

As per Part V, Section 16 of O. Reg. 153/04, WSP has reviewed, evaluated and interpreted the information obtained from the records review, the interviews and the site reconnaissance components of this Phase One ESA so as to achieve the general and specific objectives of a Phase One ESA.

Based on a review of the available information and the exercise of professional judgment, WSP has concluded that there is potential for the identified COPCs to have affected land and/or water under the Phase One Property within the identified APECs. Given the current land use being institutional, a Record of Site Condition (RSC) will not be required prior to redevelopment for compliance with the O. Reg. 153/04. Based on the information obtained in completing this Phase One ESA, it is WSP's opinion that a phase two ESA would be recommended prior to any redevelopment of the Phase One Property as a matter of due diligence to better characterise potential environmental liability associated with the Phase One Property.

This conclusion is based on APECs identified by WSP on and/or under the Phase One Property as follows:

**APEC 1:** Southeast gravel parking area

- Former railway, multiple gasoline service stations and fuel oil USTs and ASTs, auto repair shop.
- COPCs related to APEC 1 include PHCs, BTEX, PAHs, and Metals.

**APEC 2:** Entire Phase One Property.

- Imported fill material associated with development of the Site has not been proven to be clean of potential COPCs through analytical testing.
- COPCs related to APEC 2 include PHCs, BTEX, PAHs, metals, and inorganics.

**APEC 3:** Southwest corner of Phase One Property

- Multiple gasoline stations with USTs and ASTs.
- COPCs related to APEC 4 include PHCs and BTEX.

# 9.0 REFERENCES

The following documents and/or data were cited in this report:


| Source | Date |
|---|---|
| Chapman, L.J. and Putnam, D.F. 2007. Physiography of Southern Ontario; Ontario Geological Survey, Miscellaneous Release — Data 22 | 2007 |
| City of Ottawa Conservation Areas website | Accessed 2023 |
| ERIS Report – obtained by ERIS on behalf of WSP | August 23, 2023 |
| GeoOttawa website – Aerial Photos | Accessed 2023 |
| Historic Land Use Index (HLUI) | 2023 |
| Ontario Geological Survey (OGS), 2010. Surficial geology of southern Ontario; Ontario Geological Survey, Miscellaneous Release— Data 128 – Revised | 2010 |
| Ontario Geological Survey (OGS). 1:250 000 scale bedrock geology of Ontario; Ontario Geological Survey, Miscellaneous Release---Data 126-Revision 1 | 2011 |
| Ontario Ministry of the Environment Conservation and Parks (MECP). Water Well Information System (WWIS) Well Records Database. | Accessed 2023 |
| Ontario Ministry of Natural Resources Areas of Natural and Scientific Interest (ANSI) map | Accessed 2023 |
| WSP Geotechnical Investigation. 30 Cleary Avenue, Ottawa, Ontario | 2023 |

# 10.0 LIMITATIONS AND USE OF REPORT

This report (the Report) was prepared for the exclusive use of Theia Partners Inc. (Theia) for the express purpose of providing advice with respect to the environmental condition of the Site. In evaluating the Site, WSP Canada Inc. (WSP) has relied in good faith on information provided by others as noted in the Report. We have assumed that the information provided is factual and accurate. We accept no responsibility for any deficiency, misstatement or inaccuracy contained in this Report as a result of omissions, misinterpretations or fraudulent acts of persons interviewed or contacted, or incomplete or inaccurate historical information from the various agencies. Any use which a third party makes of this Report, or any reliance on or decisions to be made based on it, is the sole responsibility of such third party. If a third party requires reliance on this Report, prior written authorization from WSP is required. WSP disclaims any responsibility of consequential financial effects on transactions or property values, or requirements for follow-up actions and costs.

The scope and the period of WSP's assessment are described in this Report, and are subject to restrictions, assumptions and limitations. Except as noted herein, the work was conducted in accordance with the scope of work and terms and conditions within WSP's proposal. Distances noted in this report were determined using mapping data of variable accuracy and should therefore be considered approximate. WSP did not perform a complete assessment of all possible conditions or circumstances that may exist at the site referenced in the Report. Conditions may therefore exist which were not detected given the limited nature of the assessment WSP was retained to undertake with respect to the Site and additional environmental studies and actions may be required. In addition, it is recognized that the passage of time affects the information provided in the Report. WSP's opinions are based upon information available to WSP as of the date of the Site visit. It is understood that the services provided for in the scope of work allowed WSP to form no more than an opinion of the actual conditions at the Site at the time of the site visit and cannot be used to assess the effect of any subsequent changes in any laws or regulations and the environmental quality of the Site or its surroundings. Asbestos and mould surveys were not performed. Consult with a natural heritage specialist to confirm whether an area of natural significance may be present. If a service is not expressly indicated, do not assume it has been provided.

The results of an assessment of this nature should in no way be construed as a warranty that the Site is free from any and all contamination from past or current practices.

# 11.0 CLOSURE

The Qualified Person confirms that the Phase One ESA was conducted and/or supervised by the Qualified Person and that all findings and conclusions of the Phase One ESA are included in the report.

We trust that the information presented in this report meets your current requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

**WSP Canada Inc.**

Owen Lloyd-Ellis, BSc, GIT
*Environmental Scientist*

Keith Holmes, MSc, PGeo (ON)
*Principal Geoscientist*

OLE/KPH/sg
https://wsponline-my.sharepoint.com/personal/sonya_gaudette_wsp_com/documents/desktop/golder wsp templates/legacy 2023 templates/report.docx

# Figures


**LEGEND**

PHASE ONE SITE

PHASE ONE STUDY AREA (250 m)

0 250 500 1,000

1:25,000 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. BASE MAP: CITY OF OTTAWA, VILLE DE GATINEAU, PROVINCE OF ONTARIO, ESRI CANADA, ESRI, HERE, GARMIN, INCREMENT P, USGS, METI/NASA, EPA, USDA, AAFC, NRCAN
3. COORDINATE SYSTEM: NAD 1983 MTM 9

CLIENT
THEIA PARTNERS INC.

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
30 CLEARY AVENUE, OTTAWA, ONTARIO

TITLE
**PHASE ONE PROPERTY LOCATION**

CONSULTANT

wsp

| | |
|---|---|
| YYYY-MM-DD | 2023-11-08 |
| DESIGNED | ---- |
| PREPARED | MG |
| REVIEWED | OLE |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| CA0008376.9447 | 0002 | 0 | 1 |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI A

25mm

0

PATH: S:\Clients\Theia Partners\Ottawa_30 Cleary Ave\99 PRO\CA0008376.9447 Theia Partners\40_PRO\0002\2_Phase I ESA\CA0008376.9447-0002-HS-0000.aprx PRINTED ON: AT: 10:51:11 AM


**LEGEND**

- ROADWAY
- TOPOGRAPHIC CONTOUR, METRES
- WATERBODY
- PHASE ONE SITE
- PHASE ONE STUDY AREA (250 m)

0 50 100 200

1:3,500 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. IMAGERY: CITY OF OTTAWA, 2022
3. COORDINATE SYSTEM: NAD 1983 MTM 9

CLIENT
THEIA PARTNERS INC.

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
30 CLEARY AVENUE, OTTAWA, ONTARIO

TITLE
**PHASE ONE STUDY AREA**

CONSULTANT

wsp

| | |
|---|---|
| YYYY-MM-DD | 2023-11-08 |
| DESIGNED | ---- |
| PREPARED | MG |
| REVIEWED | OLE |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| CA0008376.9447 | 0002 | 0 | 2 |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm


**LEGEND**

- POTENTIALLY CONTAMINATING ACTIVITY (PCA) LOCATION
- PHASE ONE SITE
- PHASE ONE STUDY AREA (250 m)

| PCA ID | PCA Category | Description |
|---|---|---|
| 1 | 46 | Rail tracks |
| 2 | 30 | Fill of unknown quality |
| 3 | 28 | Gasoline UST |
| 4 | 10 | Auto repair shop |
| 5 | 28 | Fuel oil UST |
| 6 | 28 | Two gasoline USTs - Gas station |
| 7 | 46 | Ottawa Electric Railway |
| 8 | 28 | Multiple gasoline and oil tanks - Gas station |
| 9 | 28 | Gasoline USTs and ASTs |
| 10 | 28 | Two USTs - Gas Station |
| 11 | 28 | Multiple gasoline and fuel oil USTs |
| 12 | 37 | Dry cleaning depot |
| 13 | 28 | Two USTs - Gas station |
| 14 | 28 | Three gasoline USTs - Multiple gas stations |

0 25 50 100

1:2,500 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE
2. SEVERAL SPILLS WERE NOTED IN THE PHASE ONE STUDY AREA THAT ARE NOT MAPPED, BUT THESE SPILLS ARE NOT CONSIDERED PCAS OR AS RESULTING IN AN APEC.

**REFERENCE(S)**

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. IMAGERY: CITY OF OTTAWA, 2022
3. COORDINATE SYSTEM: NAD 1983 MTM 9

CLIENT
THEIA PARTNERS INC.

PROJECT
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
30 CLEARY AVENUE, OTTAWA, ONTARIO

TITLE
**POTENTIALLY CONTAMINATING ACTIVITIES**

CONSULTANT

wsp

| | |
|---|---|
| YYYY-MM-DD | 2023-11-08 |
| DESIGNED | ---- |
| PREPARED | MG |
| REVIEWED | OLE |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| CA0008376.9447 | 0002 | 0 | 3 |

IF THIS MEASUREMENT DOES NOT MATCH WHAT IS SHOWN, THE SHEET SIZE HAS BEEN MODIFIED FROM: ANSI B

0 25mm

PATH: S:\Clients\Thela_Partners\Ottawa_30_Cleary_Ave\99_PRO\JCA0008376-9447_Thela_Partners\40_PROD\0002_Phase_I_ESA\CA0008376-9447-0002-HS-0000.aprx PRINTED ON: AT: 10:55:50 AM


**LEGEND**

PHASE ONE SITE

**AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC) LOCATION**

APEC 1

APEC 2 (SITE-WIDE)

APEC 3

| APEC ID | PCA Category | Description of PCAs attributing to APEC |
|---|---|---|
| APEC 1 | 10, 28, 46 | PCA 1: Former railway on-site<br>PCA 3, 6, 8: Multiple gasoline service stations and USTs/ASTs<br>PCA 4: Auto repair shop off-site |
| APEC 2 | 30 | PCA 2: Fill material of unknown quality |
| APEC 3 | 28 | PCA 9, 10: Multiple gasoline service stations and USTs/ASTs |

0 12.5 25 50

1:1,000 METRES

**NOTE(S)**

1. ALL LOCATIONS ARE APPROXIMATE

**REFERENCE(S)**

1. CONTAINS INFORMATION LICENSED UNDER THE OPEN GOVERNMENT LICENCE - ONTARIO
2. IMAGERY: CITY OF OTTAWA, 2022
3. COORDINATE SYSTEM: NAD 1983 MTM 9

CLIENT

THEIA PARTNERS INC.

PROJECT

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT
30 CLEARY AVENUE, OTTAWA, ONTARIO

TITLE

**AREAS OF POTENTIAL ENVIRONMENTAL CONCERN**

CONSULTANT

wsp

| | |
|---|---|
| YYYY-MM-DD | 2023-11-08 |
| DESIGNED | ---- |
| PREPARED | MG |
| REVIEWED | OLE |
| APPROVED | KPH |

| PROJECT NO. | CONTROL | REV. | FIGURE |
|---|---|---|---|
| CA0008376.9447 | 0002 | 0 | 4 |

**APPENDIX A**

# ERIS Reports

# CITY DIRECTORY

| | |
|---|---|
| **Project Property:** | *30 Cleary*<br>*30 cleary avenue*<br>*Ottawa,ON K2A 3Z9* |
| **Project No:** | *CA0008376.9447* |
| **Requested By:** | *WSP Canada Inc.* |
| **Order No:** | *23091200148* |
| **Date Completed:** | *September 12, 2023* |

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

September 12, 2023
RE: CITY DIRECTORY RESEARCH
30 cleary avenue
Ottawa,ON K2A 3Z9

Thank you for contacting ERIS regarding our City Directory Search services. Our staff has conducted a reverse listing City Directory search to determine prior occupants of the subject site and adjacent properties. When searching a range of addresses, all civic addresses within that range found in the Directory are included.

Note: Reverse Listing Directories generally are focused on highly developed areas, while newly developed areas may be covered in the more recent years, older directories tend to cover only "central" parts of the city. To complete the search, we have either utilized the Toronto Reference Library, Library & Archives Canada and multiple digitized directories. While these do not claim to be a complete collection of all reverse listing city directories produced, ERIS has made every effort to provide accurate and complete information. ERIS shall not be held liable for missing, incomplete, or inaccurate information. If you believe there are additional addresses or streets that require searching, please contact us.

**Search Criteria:**
75 of Cleary Avenue
30 of Cleary Avenue
40 of Cleary Avenue
809 of Richmond Road
801 of Richmond Road
797 of Richmond Road
**Search Notes:**

## Search Results Summary

| Date | Source | Comment |
|---|---|---|
| 2021 | DIGITAL BUSINESS DIRECTORY | |
| 2017 | DIGITAL BUSINESS DIRECTORY | |
| 2012 | DIGITAL BUSINESS DIRECTORY | |
| 2006/07 | VERNONS | |
| 2001/02 | VERNONS | |
| 1996/97 | VERNONS | |
| 1992 | VERNONS | |
| 1987 | VERNONS | |
| 1981/82 | VERNONS | |
| 1976 | VERNONS | |
| 1971 | VERNONS | |
| 1965 | VERNONS | |
| 1960 | VERNONS | |
| 1956 | VERNONS | |
| 1950 | VERNONS | |

## 2021 CLEARY AVENUE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

30 **ANCOURA INC**...*SERVICES NEC*
30 **FIRST UNITARIAN CONGREGATION**...*CHURCHES*
30 **RIVER PARKWAY PRE-SCHOOL CTR**...*CHILD CARE SERVICE*
40 **RIVER PARKWAY PRE-SCHOOL CTR**...*CHILD CARE SERVICE*

## 2021 RICHMOND ROAD

*SOURCE: DIGITAL BUSINESS DIRECTORY*

797 **DENTECH INC**...*LABORATORIES-DENTAL*
797 **LIMA DENTURE-IMPLANT SOLUTIONS**...*DENTURISTS*
797 **LIMA DENTURE-IMPLANT SOLUTIONS**...*DENTISTS*
801 **DAVE RENNIE'S AUTOCARE**...*AUTOMOBILE REPAIRING & SERVICE*
801 **DAVE RENNIE'S AUTOCARE**...*AUTOMOBILE INSPECTION STATIONS-NEW/USED*
809 **KRISTY'S RESTAURANTS INC**...*FOODS-CARRY OUT*

## 2017 CLEARY AVENUE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

30 **FIRST UNITARIAN CONGREGATION**...*RELIGIOUS ORGANIZATION*
30 **GREEN COMMUNITIES CANADA**...*CHARITABLE INSTITUTIONS*
30 **RIVER PARKWAY PRE-SCHOOL CTR**...*CHILD DAY CARE SVCS*

## 2017 RICHMOND ROAD

*SOURCE: DIGITAL BUSINESS DIRECTORY*

797 **DENTECH INC**...*DENTAL LABORATORIES*
797 **JOSEPH LIMA CLINIQUE**...*OFFICES OF DENTISTS*
801 **DAVE RENNIE'S AUTOCARE**...*ALL OTHER AUTOMOTIVE REPAIR & MAINTENANCE*
801 **DAVE RENNIE'S AUTOCARE**...*GENERAL AUTOMOTIVE REPAIR*
809 **KRISTY'S RESTAURANTS INC**...*FULLSERVICE RESTAURANTS*
809 **KRISTY'S RESTAURANTS INC**...*FULL-SERVICE RESTAURANTS*

## 2012 CLEARY AVENUE

*SOURCE: DIGITAL BUSINESS DIRECTORY*

30 **FIRST UNITARIAN CONGREGATION**...*RELIGIOUS ORGANIZATION*
30 **RIVER PARKWAY PRE-SCHOOL CTR**...*CHILD DAY CARE SVCS*

## 2012 RICHMOND ROAD

*SOURCE: DIGITAL BUSINESS DIRECTORY*

797 **DENTECH**...*DENTAL LABORATORIES*
797 **DENTECH INC**...*DENTAL LABORATORIES*
797 **JOSEPH LIMA DENTURE CLINIC**...*OFFICES OF DENTISTS*
801 **DAVE RENNIE'S AUTOCARE**...*GENERAL AUTOMOTIVE REPAIR*
809 **KRISTY'S RESTAURANTS INC**...*FULL-SERVICE RESTAURANTS*

## 2006/07 CLEARY AVENUE

*SOURCE: VERNONS*

| | |
|---|---|
| 30 | FIRST UNITARIAN CONGREGATION OF OTTAWA |
| 30 | RIVER PARKWAY PRE-SCHOOL CENTRE |
| 40 | ADDRESS NOT LISTED |
| 75 | ADDRESS NOT LISTED |

## 2006/07 RICHMOND ROAD

*SOURCE: VERNONS*

| | |
|---|---|
| 797 | ADDRESS NOT LISTED |
| 801 | DAVE RENNIE'S AUTOCARE |
| 809 | KRISTY'S RESTAURANTS INC |

## 2001/02 CLEARY AVENUE

*SOURCE: VERNONS*

| | |
|---|---|
| 30 | FIRST UNITARIAN CONGREGATION OF OTTAWA |
| 30 | RIVER PARKWAY PRE-SCHOOL CENTRE |
| 40 | ADDRESS NOT LISTED |
| 75 | ADDRESS NOT LISTED |

## 2001/02 RICHMOND ROAD

*SOURCE: VERNONS*

| | |
|---|---|
| 797 | ADDRESS NOT LISTED |
| 801 | DAVE RENNIE'S AUTOCARE |
| 809 | KRISTY'S RESTAURANTS INC |

## 1996/97 CLEARY AVENUE

*SOURCE: VERNONS*

| | |
|---|---|
| 30 | FIRST UNITARIAN CONGREGATION OF OTTAWA |
| 30 | RIVER PARKWAY PRE-SCHOOL CENTRE |
| 40 | ADDRESS NOT LISTED |
| 75 | ADDRESS NOT LISTED |

## 1996/97 RICHMOND ROAD

*SOURCE: VERNONS*

| | |
|---|---|
| 797 | HARVEY'S RESTAURANT |
| 801 | DAVE RENNIE'S AUTOCARE |
| 809 | KRISTY'S RESTAURANTS INC |

## 1992 CLEARY AVENUE

*SOURCE: VERNONS*

| | |
|---|---|
| 30 | FIRST UNITARIAN CONGREGATION OF OTTAWA |
| 30 | RIVER PARKWAY PRE-SCHOOL CENTRE |
| 40 | ADDRESS NOT LISTED |
| 75 | ADDRESS NOT LISTED |

## 1992 RICHMOND ROAD

*SOURCE: VERNONS*

| | |
|---|---|
| 797 | HARVEY'S RESTAURANT |
| 801 | ADDRESS NOT LISTED |
| 809 | CRISTAL ROSE CATERING |
| 809 | KRISTY'S RESTAURANTS INC |

## 1987 CLEARY AVENUE

*SOURCE: VERNONS*

| | |
|---|---|
| 30 | **STREET NOT LISTED** |
| 40 | **STREET NOT LISTED** |
| 75 | **STREET NOT LISTED** |

## 1987 RICHMOND ROAD

*SOURCE: VERNONS*

| | |
|---|---|
| 797 | **HARVEY'S DRIVE-IN RESTAURANT** |
| 801 | **ADDRESS NOT LISTED** |
| 809 | **KRISTY'S ROAD HOUSE** |

## 1981/82 CLEARY AVENUE

*SOURCE: VERNONS*

| | |
|---|---|
| 30 | **STREET NOT LISTED** |
| 40 | **STREET NOT LISTED** |
| 75 | **STREET NOT LISTED** |

## 1981/82 RICHMOND ROAD

*SOURCE: VERNONS*

| | |
|---|---|
| 797 | **HARVEY'S FOOD LTD** |
| 801 | **ADDRESS NOT LISTED** |
| 809 | **FULLER'S RESTAURANT** |

## 1976 CLEARY AVENUE

*SOURCE: VERNONS*

30 **STREET NOT LISTED**
40 **STREET NOT LISTED**
75 **STREET NOT LISTED**

## 1976 RICHMOND ROAD

*SOURCE: VERNONS*

797 **HARVEY'S FOOD LTD**
801 **ADDRESS NOT LISTED**
809 **FULLER'S RESTAURANT**

## 1971 CLEARY AVENUE

*SOURCE: VERNONS*

30 **STREET NOT LISTED**
40 **STREET NOT LISTED**
75 **STREET NOT LISTED**

## 1971 RICHMOND ROAD

*SOURCE: VERNONS*

797 **HARVEY'S FOOD LTD**
801 **ADDRESS NOT LISTED**
809 **ROYAL BURGER, DRIVE-IN**

## 1965 CLEARY AVENUE

*SOURCE: VERNONS*

30 **STREET NOT LISTED**
40 **STREET NOT LISTED**
75 **STREET NOT LISTED**

## 1965 RICHMOND ROAD

*SOURCE: VERNONS*

797 **HARVEY'S FOOD LTD**
801 **ADDRESS NOT LISTED**
809 **ROYAL BURGER, DRIVE-IN**

## 1960 CLEARY AVENUE

*SOURCE: VERNONS*

| | |
|---|---|
| 30 | **STREET NOT LISTED** |
| 40 | **STREET NOT LISTED** |
| 75 | **STREET NOT LISTED** |

## 1960 RICHMOND ROAD

*SOURCE: VERNONS*

| | |
|---|---|
| 797 | **SINGLE TENANT RESIDENTIAL** |
| 801 | **SINGLE TENANT RESIDENTIAL** |
| 809 | **ROYAL BURGER, DRIVE-IN** |

## 1956 CLEARY AVENUE

*SOURCE: VERNONS*

30 **STREET NOT LISTED**
40 **STREET NOT LISTED**
75 **STREET NOT LISTED**

## 1956 RICHMOND ROAD

*SOURCE: VERNONS*

797 **SINGLE TENANT RESIDENTIAL**
801 **SINGLE TENANT RESIDENTIAL**
809 **ADDRESS NOT LISTED**

## 1950 CLEARY AVENUE

*SOURCE: VERNONS*

30 **STREET NOT LISTED**
40 **STREET NOT LISTED**
75 **STREET NOT LISTED**

## 1950 RICHMOND ROAD

*SOURCE: VERNONS*

797 **ADDRESS NOT LISTED**
801 **ADDRESS NOT LISTED**
809 **ADDRESS NOT LISTED**

# DATABASE REPORT

| | |
|---|---|
| **Project Property:** | *30 Cleary*<br>*30 Cleary Avenue*<br>*Ottawa ON K2A 3Z9* |
| **Project No:** | *CA0008376.9447* |
| **Report Type:** | *Standard Report* |
| **Order No:** | *23082200016* |
| **Requested by:** | *WSP Canada Inc.* |
| **Date Completed:** | *August 23, 2023* |

**Environmental Risk Information Services**
*A division of Glacier Media Inc.*
1.866.517.5204 | info@erisinfo.com | erisinfo.com

# Table of Contents

# Executive Summary

***Property Information:***

| | |
|---|---|
| **Project Property:** | *30 Cleary*<br>*30 Cleary Avenue  Ottawa ON K2A 3Z9* |
| **Project No:** | *CA0008376.9447* |

**Coordinates:**

| | |
|---|---|
| **Latitude:** | *45.3816656* |
| **Longitude:** | *-75.772462* |
| **UTM Northing:** | *5,025,640.22* |
| **UTM Easting:** | *439,523.75* |
| **UTM Zone:** | *18T* |

| | |
|---|---|
| **Elevation:** | *204 FT*<br>*62.18 M* |

***Order Information:***

| | |
|---|---|
| **Order No:** | *23082200016* |
| **Date Requested:** | *August 22, 2023* |
| **Requested by:** | *WSP Canada Inc.* |
| **Report Type:** | *Standard Report* |

***Historical/Products:***

| | |
|---|---|
| **ERIS Xplorer** | *ERIS Xplorer* |

# 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 | 1 | 1 |
| 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 | 2 | 2 |
| EBR | Environmental Registry | Y | 0 | 0 | 0 |
| ECA | Environmental Compliance Approval | Y | 0 | 2 | 2 |
| EEM | Environmental Effects Monitoring | Y | 0 | 0 | 0 |
| EHS | ERIS Historical Searches | Y | 0 | 5 | 5 |
| 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 | 8 | 8 |
| GHG | Greenhouse Gas Emissions from Large Facilities | Y | 0 | 0 | 0 |
| HINC | TSSA Historic Incidents | Y | 0 | 0 | 0 |
| IAFT | Indian & Northern Affairs Fuel Tanks | Y | 0 | 0 | 0 |

| 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 1993-2020 | 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 |
| PINC | Pipeline Incidents | Y | 0 | 2 | 2 |
| 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 | 1 | 1 |
| RST | Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| SCT | Scott's Manufacturing Directory | Y | 0 | 3 | 3 |
| SPL | Ontario Spills | Y | 0 | 18 | 18 |
| 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 | 1 | 19 | 20 |
| | **Total:** | | 1 | 65 | 66 |

# Executive Summary: Site Report Summary - Project Property

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 1 | WWIS | | 30 CLEARY AVE<br>OTTAWA ON<br><br>***Well ID:*** 7162152 | NE/35.0 | -0.31 | 24 |

# Executive Summary: Site Report Summary - Surrounding Properties

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 2 | ECA | The First Unitarian Congregation of Ottawa | 40 Cleary Parkway<br>Ottawa ON | SSE/55.6 | 0.73 | 31 |
| 3 | BORE | | ON | ENE/62.9 | -0.62 | 31 |
| 4 | BORE | | ON | NNE/67.5 | -1.25 | 33 |
| 5 | SPL | | Sir John A Macdonald and Cleary Ave, Ottawa<br>OTTAWA ON | ENE/82.3 | -0.38 | 35 |
| 6 | SCT | Dentech Inc. | 797 Richmond Rd<br>Ottawa ON K2A 0G7 | E/97.6 | 0.78 | 35 |
| 6 | EHS | | 797 Richmond Road<br>Ottawa ON K2A 0G7 | E/97.6 | 0.78 | 36 |
| 6 | EHS | | 797 Richmond Road<br>Ottawa ON K2A 0G7 | E/97.6 | 0.78 | 36 |
| 7 | WWIS | | ON<br>***Well ID:*** 1508425 | NW/112.5 | -1.31 | 36 |
| 8 | WWIS | | ON<br>***Well ID:*** 7387185 | E/121.3 | 0.78 | 38 |
| 9 | WWIS | | BYRON LINEAR PARK<br>OTTAWA ON<br>***Well ID:*** 7296572 | E/130.6 | 1.44 | 39 |
| 10 | SCT | PhotoCAD Inc. | 66 Aylen Ave<br>Ottawa ON K2A 3P9 | WSW/132.1 | -0.46 | 43 |
| 11 | BORE | | ON | ENE/137.2 | -0.37 | 43 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 12 | CA | BAKER'S DOZEN DONUTS | 793 RICHMOND ST.<br>OTTAWA CITY ON K2A 0G7 | ENE/141.4 | -0.36 | 45 |
| 12 | GEN | Carastan Carpet Co Limited | 793 Richmond Road<br>Ottawa ON K2A 0G7 | ENE/141.4 | -0.36 | 45 |
| 12 | RSC | Charlesfort Developments Limited | 761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7<br>OTTAWA ON K2A 0G7 | ENE/141.4 | -0.36 | 45 |
| 12 | GEN | Charlesfort Developments Limited | 793 Richmond Road<br>Ottawa ON K2A 0G7 | ENE/141.4 | -0.36 | 46 |
| 12 | GEN | Charlesfort Developments Limited | 793 Richmond Road<br>Ottawa ON K2A 0G7 | ENE/141.4 | -0.36 | 46 |
| 13 | SPL | Kiewit Eurovia Vinci | Park near Sherbourne Rd. & Byron Ave.<br>Ottawa ON | ESE/146.7 | 1.69 | 47 |
| 13 | SPL | | Byron Ave & Sherbourne Rd, Ottawa<br>OTTAWA ON | ESE/146.7 | 1.69 | 47 |
| 13 | SPL | | KEV - Byron Ave and Sherbourn Rd, Ottawa<br>OTTAWA ON | ESE/146.7 | 1.69 | 48 |
| 13 | SPL | | Byron Ave and Sherbourne Rd.<br>OTTAWA ON | ESE/146.7 | 1.69 | 49 |
| 14 | EASR | Melville Trucking Incorporated | 75 CLEARY AVE<br>OTTAWA ON K2A 1R8 | ENE/157.7 | -0.36 | 49 |
| 14 | GEN | Baxtec Mechanical Services | 75 Cleary Avenue<br>Ottawa ON K2A 1R8 | ENE/157.7 | -0.36 | 50 |
| 14 | SPL | | Just east of 75 Cleary Avenue, Ottawa<br>OTTAWA ON | ENE/157.7 | -0.36 | 50 |
| 15 | WWIS | | BYRON LINEAR PARK<br>OTTAWA ON | SE/166.8 | 2.63 | 51 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| | | | ***Well ID:*** 7296573 | | | |
| 16 | SPL | Lehigh Hanson Canada ULC | 2122 Wayne Ave<br>Ottawa ON K2A 0B8 | W/171.4 | -1.27 | 54 |
| 17 | SPL | Kiewit Eurovia Vinci | Byron Park to the east across from 851 Richmond Road<br>Ottawa ON | SSE/175.2 | 2.69 | 55 |
| 18 | WWIS | | 747 RICHMOND RD BYRON LWEAR PARK<br>OTTAWA ON<br>***Well ID:*** 7292237 | E/175.5 | 0.73 | 55 |
| 19 | GEN | Unitarian House of Ottawa | 20 Cleary Ave. 20 Cleary Ave.<br>Ottawa ON K2A 3Z9 | ENE/176.6 | -1.31 | 58 |
| 19 | GEN | Unitarian House of Ottawa | 20 Cleary Ave<br>Ottawa ON K2A3Z9 | ENE/176.6 | -1.31 | 59 |
| 19 | GEN | Unitarian House of Ottawa | 20 Cleary Ave<br>Ottawa ON K2A 3Z9 | ENE/176.6 | -1.31 | 59 |
| 20 | EHS | | Sherbourne Avenue<br>Ottawa ON K2A 3G1 | E/179.8 | 1.64 | 59 |
| 20 | EHS | | Sherbourne Avenue<br>Ottawa ON K2A 3G1 | E/179.8 | 1.64 | 60 |
| 21 | EHS | | 900 Byron Avenue<br>Ottawa ON K2A 0J2 | E/185.0 | 1.64 | 60 |
| 22 | SPL | Kiewit Eurovia Vinci | Ottawa ON | S/186.1 | 2.69 | 60 |
| 23 | SPL | Enbridge Gas Distribution Inc. | Cleary at Richmond Roads<br>Ottawa ON | ENE/188.1 | -0.36 | 61 |
| 23 | PINC | | Cleary Avenue & Richmond Road, Ottawa ON | ENE/188.1 | -0.36 | 61 |
| 23 | SPL | | Richmond Rd and Cleary Ave<br>Ottawa ON | ENE/188.1 | -0.36 | 62 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 23 | SPL | | NE corner of Richmond Rd, Clearey Ave<br>OTTAWA ON | ENE/188.1 | -0.36 | 63 |
| 23 | SPL | | Richmond road and Cleary Ave Ottawa<br>OTTAWA ON | ENE/188.1 | -0.36 | 63 |
| 23 | SPL | | Cleary Avenue & Richmond Road<br>OTTAWA ON | ENE/188.1 | -0.36 | 64 |
| 24 | EASR | HOMESTEAD LAND HOLDINGS LIMITED | 851 Richmond RD<br>OTTAWA ON K2A 3X2 | SSW/189.9 | 2.66 | 65 |
| 25 | WWIS | | RICHMOND RD. & CLEARLY<br>ON<br>***Well ID:*** 7293182 | ENE/198.7 | -1.00 | 65 |
| 26 | WWIS | | ON<br>***Well ID:*** 7293486 | ENE/198.9 | -1.31 | 68 |
| 27 | WWIS | | ON<br>***Well ID:*** 1508858 | WNW/213.8 | -2.02 | 69 |
| 28 | WWIS | | RICHMOND ROAD<br>Ottawa ON<br>***Well ID:*** 7344665 | ENE/214.2 | -0.97 | 72 |
| 29 | SPL | Kiewit Eurovia Vinci Ottawa Partnership | Near 100 Byron Ave<br>Ottawa ON | S/218.2 | 3.73 | 74 |
| 30 | WWIS | | 747 RICHMOND RD<br>OTTAWA ON<br>***Well ID:*** 7305505 | ENE/218.6 | -1.31 | 75 |
| 31 | WWIS | | ON<br>***Well ID:*** 1508587 | E/218.8 | 0.75 | 78 |
| 32 | WWIS | | ON<br>***Well ID:*** 1508762 | ENE/223.1 | -2.39 | 82 |
| 33 | SPL | Enbridge Gas Distribution Inc. | 2045 Honeywell Ave<br>Ottawa ON | SE/223.1 | 3.69 | 85 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 33 | PINC | ENBRIDGE GAS INC | 2045 HONEYWELL AVE,,OTTAWA,ON, K2A 0P7,CA<br>ON | SE/223.1 | 3.69 | 86 |
| 34 | SPL | Kiewit Eurovia Vinci | Intersection of Richmound Rd and Redwood Avenue<br>Ottawa ON | E/227.9 | -0.61 | 86 |
| 35 | WWIS | | 747 RICHMOND RD<br>OTTAWA ON<br>***Well ID:*** 7305506 | ENE/230.9 | -1.31 | 87 |
| 36 | WWIS | | 747 RICHMOND RD<br>OTTAWA ON<br>***Well ID:*** 7305504 | ENE/231.4 | -1.31 | 90 |
| 37 | WWIS | | RICHMOND ROAD & CLEARY<br>ON<br>***Well ID:*** 7293198 | ENE/237.2 | -1.31 | 93 |
| 38 | SCT | Signs in 23 Hours, Inc. | 747 Richmond Rd Unit B<br>Ottawa ON K2A 0G6 | ENE/239.7 | -2.39 | 97 |
| 38 | GEN | Morrison Hershfield Limited | 747 Richmond Road<br>Ottawa ON K2A 1R8 | ENE/239.7 | -2.39 | 97 |
| 38 | ECA | Peter Kiewit Sons ULC, Eurovia Quebec Grands Projets Inc., Janin Atlas Inc., | and Dodin Quebec Inc. 747 Richmond Rd<br>Ottawa ON K1H 1E1 | ENE/239.7 | -2.39 | 98 |
| 38 | SPL | Kiewit Eurovia Vinci | near Sir John A MacDonald Parkway Cleary Avenue (nearest civic: 747 Richmond Rd, )<br>Ottawa ON | ENE/239.7 | -2.39 | 98 |
| 39 | WWIS | | RICHMOND ROAD & CLEARY<br>Ottawa ON<br>***Well ID:*** 7293199 | ENE/241.6 | -1.31 | 99 |
| 40 | WWIS | | ON<br>***Well ID:*** 1507811 | NNE/241.7 | -9.31 | 102 |
| 41 | BORE | | ON | NNE/244.4 | -9.31 | 105 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 42 | WWIS | | ON<br>***Well ID:*** 1508585 | E/249.0 | -0.25 | 107 |
| 42 | WWIS | | ON<br>***Well ID:*** 1508586 | E/249.0 | -0.25 | 109 |

# 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.

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | ON | ENE | 62.92 | 3 |
| | ON | NNE | 67.49 | 4 |
| | ON | ENE | 137.16 | 11 |
| | ON | NNE | 244.38 | 41 |

## CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 1 CA site(s) within approximately 0.25 kilometers of the project property.

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| BAKER'S DOZEN DONUTS | 793 RICHMOND ST.<br>OTTAWA CITY ON K2A 0G7 | ENE | 141.40 | 12 |

## EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011- Jun 30, 2023 has found that there are 2 EASR site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| HOMESTEAD LAND HOLDINGS LIMITED | 851 Richmond RD<br>OTTAWA ON K2A 3X2 | SSW | 189.89 | 24 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Melville Trucking Incorporated | 75 CLEARY AVE<br>OTTAWA ON K2A 1R8 | ENE | 157.73 | 14 |

## ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011- Jun 30, 2023 has found that there are 2 ECA site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| The First Unitarian Congregation of Ottawa | 40 Cleary Parkway<br>Ottawa ON | SSE | 55.59 | 2 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Peter Kiewit Sons ULC, Eurovia Quebec Grands Projets Inc., Janin Atlas Inc., | and Dodin Quebec Inc. 747 Richmond Rd<br>Ottawa ON K1H 1E1 | ENE | 239.74 | 38 |

## EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jun 30, 2023 has found that there are 5 EHS site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | 797 Richmond Road<br>Ottawa ON K2A 0G7 | E | 97.65 | 6 |
| | 797 Richmond Road<br>Ottawa ON K2A 0G7 | E | 97.65 | 6 |
| | Sherbourne Avenue<br>Ottawa ON K2A 3G1 | E | 179.83 | 20 |
| | Sherbourne Avenue<br>Ottawa ON K2A 3G1 | E | 179.83 | 20 |
| | 900 Byron Avenue<br>Ottawa ON K2A 0J2 | E | 185.03 | 21 |

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|

## GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Oct 31, 2022 has found that there are 8 GEN site(s) within approximately 0.25 kilometers of the project property.

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Carastan Carpet Co Limited | 793 Richmond Road<br>Ottawa ON K2A 0G7 | ENE | 141.40 | 12 |
| Charlesfort Developments Limited | 793 Richmond Road<br>Ottawa ON K2A 0G7 | ENE | 141.40 | 12 |
| Charlesfort Developments Limited | 793 Richmond Road<br>Ottawa ON K2A 0G7 | ENE | 141.40 | 12 |
| Baxtec Mechanical Services | 75 Cleary Avenue<br>Ottawa ON K2A 1R8 | ENE | 157.73 | 14 |
| Unitarian House of Ottawa | 20 Cleary Ave<br>Ottawa ON K2A3Z9 | ENE | 176.64 | 19 |
| Unitarian House of Ottawa | 20 Cleary Ave<br>Ottawa ON K2A 3Z9 | ENE | 176.64 | 19 |
| Unitarian House of Ottawa | 20 Cleary Ave. 20 Cleary Ave.<br>Ottawa ON K2A 3Z9 | ENE | 176.64 | 19 |
| Morrison Hershfield Limited | 747 Richmond Road<br>Ottawa ON K2A 1R8 | ENE | 239.74 | 38 |

## PINC - Pipeline Incidents

A search of the PINC database, dated Feb 28, 2021 has found that there are 2 PINC site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| ENBRIDGE GAS INC | 2045 HONEYWELL AVE,,OTTAWA, ON,K2A 0P7,CA<br>ON | SE | 223.15 | 33 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | Cleary Avenue & Richmond Road, Ottawa<br>ON | ENE | 188.09 | 23 |

## RSC - Record of Site Condition

A search of the RSC database, dated 1997-Sept 2001, Oct 2004-Jun 2023 has found that there are 1 RSC site(s) within approximately 0.25 kilometers of the project property.

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Charlesfort Developments Limited | 761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7<br>OTTAWA ON K2A 0G7 | ENE | 141.40 | 12 |

## SCT - Scott's Manufacturing Directory

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

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Dentech Inc. | 797 Richmond Rd<br>Ottawa ON K2A 0G7 | E | 97.65 | 6 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| PhotoCAD Inc. | 66 Aylen Ave<br>Ottawa ON K2A 3P9 | WSW | 132.15 | 10 |
| Signs in 23 Hours, Inc. | 747 Richmond Rd Unit B<br>Ottawa ON K2A 0G6 | ENE | 239.74 | 38 |

## SPL - Ontario Spills

A search of the SPL database, dated 1988-Oct 2021 has found that there are 18 SPL site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | Byron Ave and Sherbourne Rd.<br>OTTAWA ON | ESE | 146.68 | 13 |
| | KEV - Byron Ave and Sherbourn Rd, Ottawa<br>OTTAWA ON | ESE | 146.68 | 13 |
| | Byron Ave & Sherbourne Rd, Ottawa<br>OTTAWA ON | ESE | 146.68 | 13 |
| Kiewit Eurovia Vinci | Park near Sherbourne Rd. & Byron Ave.<br>Ottawa ON | ESE | 146.68 | 13 |
| Kiewit Eurovia Vinci | Byron Park to the east across from 851 Richmond Road<br>Ottawa ON | SSE | 175.17 | 17 |
| Kiewit Eurovia Vinci | Ottawa ON | S | 186.12 | 22 |
| Kiewit Eurovia Vinci Ottawa Partnership | Near 100 Byron Ave<br>Ottawa ON | S | 218.23 | 29 |
| Enbridge Gas Distribution Inc. | 2045 Honeywell Ave<br>Ottawa ON | SE | 223.15 | 33 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | Sir John A Macdonald and Cleary Ave, Ottawa<br>OTTAWA ON | ENE | 82.29 | 5 |
| | Just east of 75 Cleary Avenue, Ottawa<br>OTTAWA ON | ENE | 157.73 | 14 |
| Lehigh Hanson Canada ULC | 2122 Wayne Ave<br>Ottawa ON K2A 0B8 | W | 171.36 | 16 |

| | | | | |
|---|---|---|---|---|
| | Cleary Avenue & Richmond Road<br>OTTAWA ON | ENE | 188.09 | 23 |
| | Richmond road and Cleary Ave Ottawa<br>OTTAWA ON | ENE | 188.09 | 23 |
| | NE corner of Richmond Rd, Clearey Ave<br>OTTAWA ON | ENE | 188.09 | 23 |
| | Richmond Rd and Cleary Ave<br>Ottawa ON | ENE | 188.09 | 23 |
| Enbridge Gas Distribution Inc. | Cleary at Richmond Roads<br>Ottawa ON | ENE | 188.09 | 23 |
| Kiewit Eurovia Vinci | Intersection of Richmound Rd and Redwood Avenue<br>Ottawa ON | E | 227.92 | 34 |
| Kiewit Eurovia Vinci | near Sir John A MacDonald Parkway Cleary Avenue (nearest civic: 747 Richmond Rd, )<br>Ottawa ON | ENE | 239.74 | 38 |

## WWIS - Water Well Information System

A search of the WWIS database, dated Mar 31 2023 has found that there are 20 WWIS site(s) within approximately 0.25 kilometers of the project property.

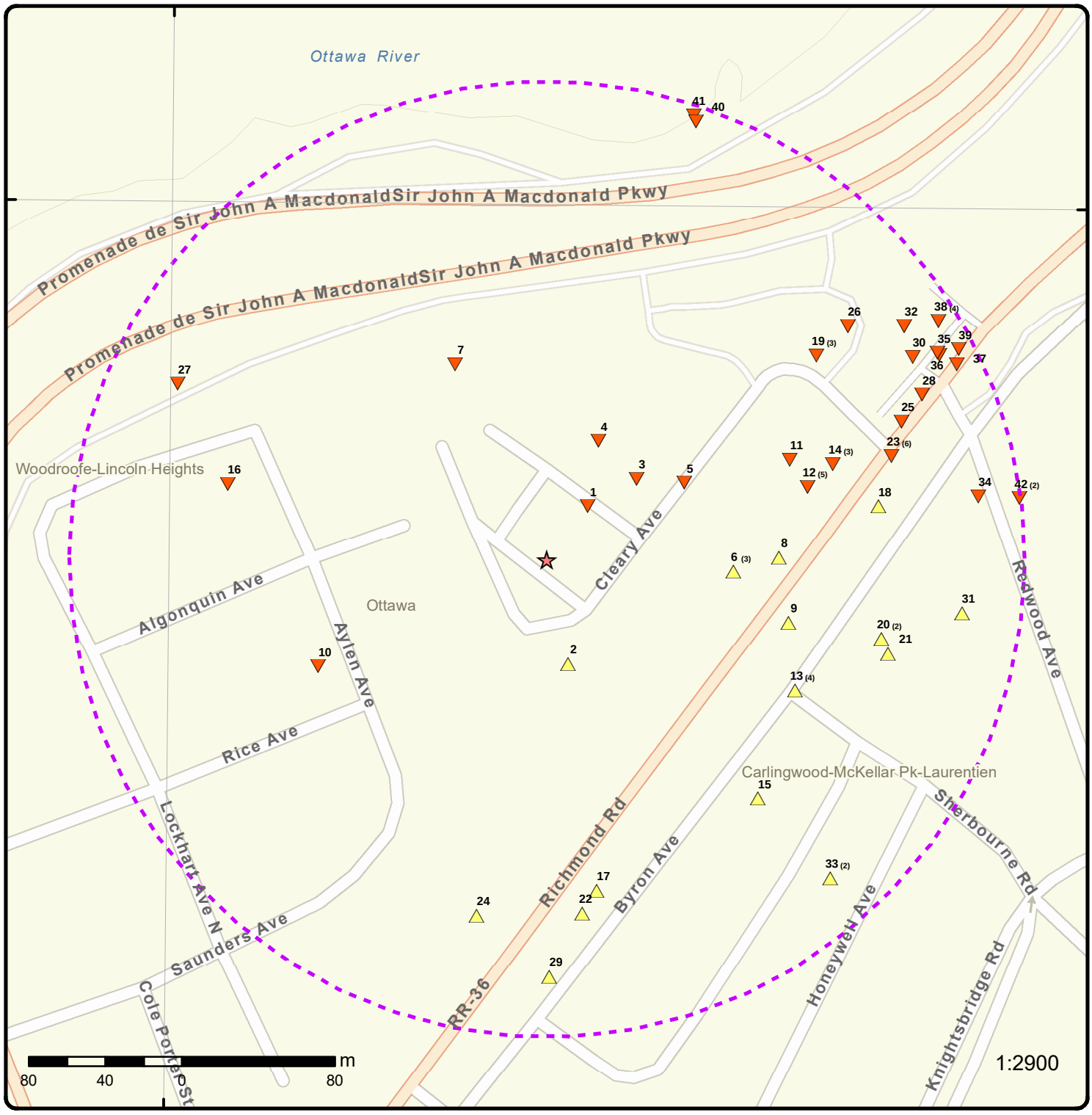
| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | ON<br>***Well ID:*** 7387185 | E | 121.25 | 8 |
| | BYRON LINEAR PARK<br>OTTAWA ON<br>***Well ID:*** 7296572 | E | 130.55 | 9 |
| | BYRON LINEAR PARK<br>OTTAWA ON<br>***Well ID:*** 7296573 | SE | 166.84 | 15 |
| | 747 RICHMOND RD BYRON LWEAR PARK<br>OTTAWA ON | E | 175.46 | 18 |

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | ***Well ID:*** 7292237 | | | |
| | ON<br>***Well ID:*** 1508587 | E | 218.78 | 31 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | 30 CLEARY AVE<br>OTTAWA ON<br>***Well ID:*** 7162152 | NE | 34.97 | 1 |
| | ON<br>***Well ID:*** 1508425 | NW | 112.55 | 7 |
| | RICHMOND RD. & CLEARLY<br>ON<br>***Well ID:*** 7293182 | ENE | 198.67 | 25 |
| | ON<br>***Well ID:*** 7293486 | ENE | 198.89 | 26 |
| | ON<br>***Well ID:*** 1508858 | WNW | 213.75 | 27 |
| | RICHMOND ROAD<br>Ottawa ON<br>***Well ID:*** 7344665 | ENE | 214.18 | 28 |
| | 747 RICHMOND RD<br>OTTAWA ON<br>***Well ID:*** 7305505 | ENE | 218.55 | 30 |
| | ON<br>***Well ID:*** 1508762 | ENE | 223.12 | 32 |
| | 747 RICHMOND RD<br>OTTAWA ON<br>***Well ID:*** 7305506 | ENE | 230.94 | 35 |
| | 747 RICHMOND RD<br>OTTAWA ON | ENE | 231.37 | 36 |

***Well ID:*** 7305504

| | | | |
|---|---|---|---|
| RICHMOND ROAD & CLEARY<br>ON | ENE | 237.20 | 37 |
| ***Well ID:*** 7293198 | | | |
| RICHMOND ROAD & CLEARY<br>Ottawa ON | ENE | 241.63 | 39 |
| ***Well ID:*** 7293199 | | | |
| <br>ON | NNE | 241.69 | 40 |
| ***Well ID:*** 1507811 | | | |
| <br>ON | E | 248.99 | 42 |
| ***Well ID:*** 1508585 | | | |
| <br>ON | E | 248.99 | 42 |
| ***Well ID:*** 1508586 | | | |



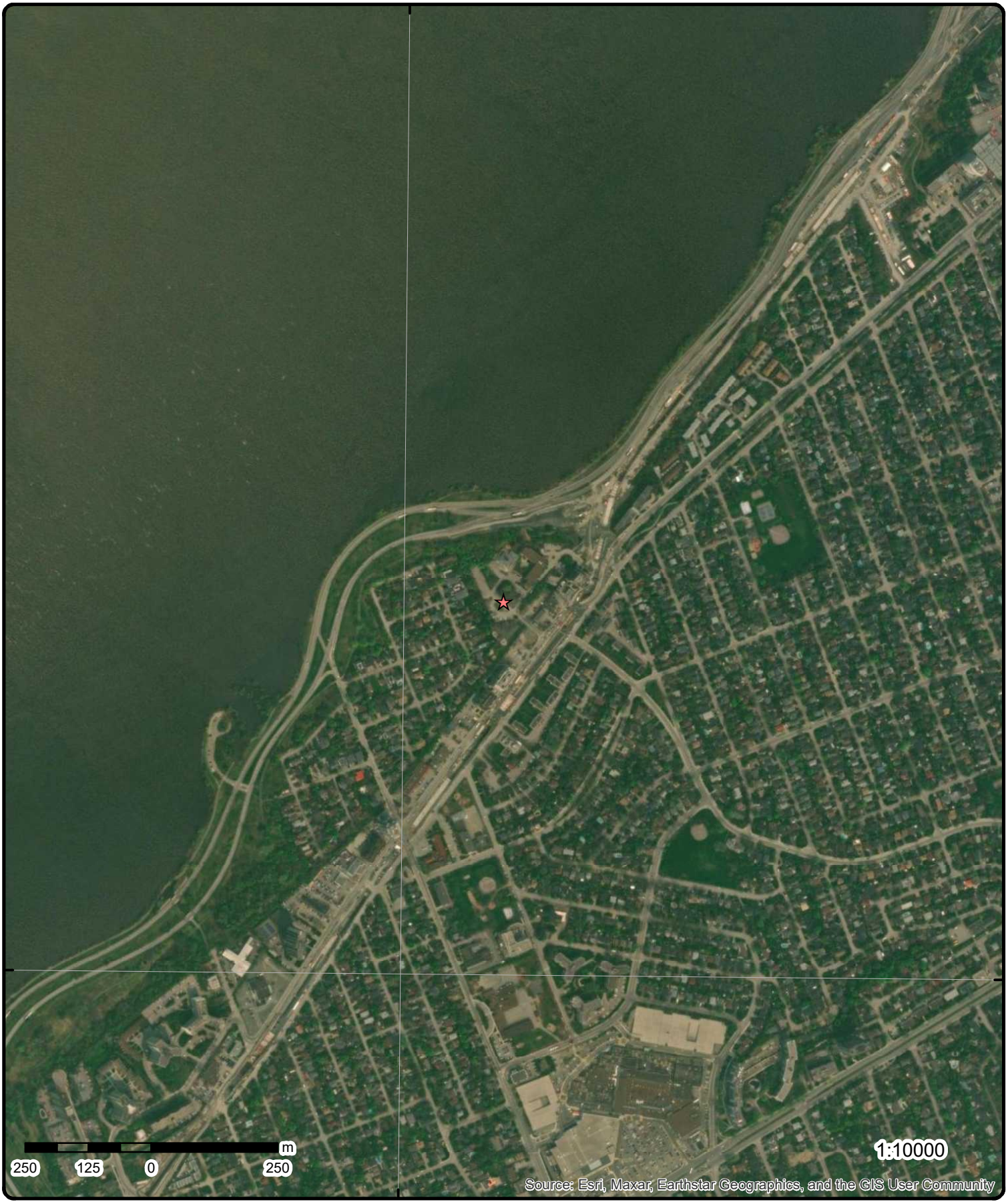

# Map: 0.25 Kilometer Radius

Order Number: 23082200016

Address: 30 Cleary Avenue, 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)

75°46'30"W



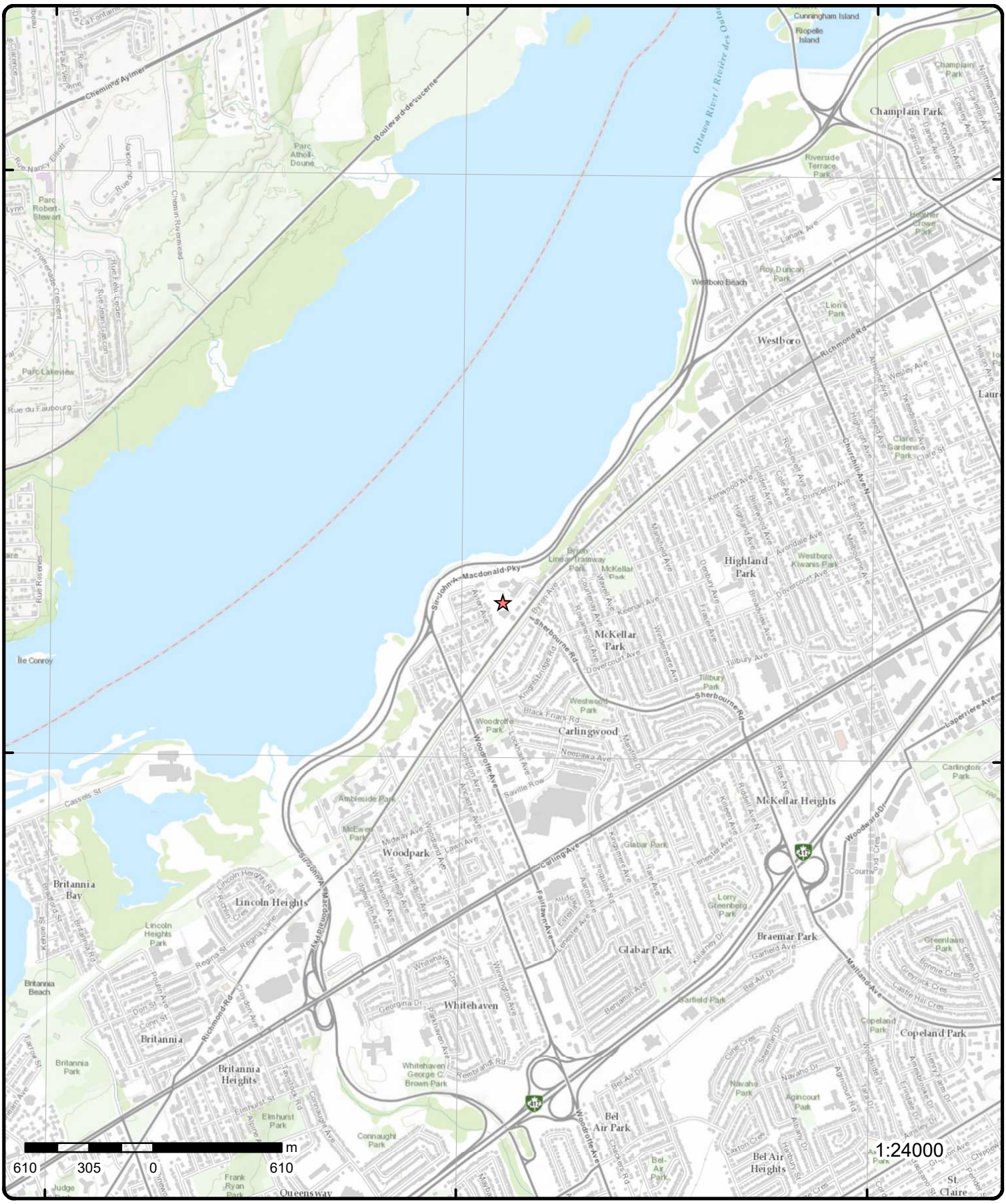

# Aerial

**Year: 2023**

**Address: 30 Cleary Avenue, Ottawa, ON**

**Source:** ESRI World Imagery

Order Number: 23082200016




# Topographic Map

**Address: 30 Cleary Avenue, ON**

**Source:** ESRI World Topographic Map

Order Number: 23082200016

# Detail Report

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 1 | 1 of 1 | NE/35.0 | 61.9 / -0.31 | 30 CLEARY AVE<br>OTTAWA ON | WWIS |

| | | | |
|---|---|---|---|
| **Well ID:** | 7162152 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Domestic | **Data Entry Status:** | |
| **Use 2nd:** | | **Data Src:** | |
| **Final Well Status:** | Water Supply | **Date Received:** | 04/20/2011 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z103275 | **Contractor:** | 3749 |
| **Tag:** | A089793 | **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:** OTTAWA CITY
**Site Info:**

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/716\7162152.pdf

***Additional Detail(s) (Map)***

**Well Completed Date:** 04/13/2011
**Year Completed:** 2011
**Depth (m):** 115.824
**Latitude:** 45.3819174451532
**Longitude:** -75.7721939795748
**Path:** 716\7162152.pdf

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1003502128 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439545.00 |
| **Code OB Desc:** | | **North83:** | 5025668.00 |
| **Open Hole:** | | **Org CS:** | dmi83 |
| **Cluster Kind:** | | **UTMRC:** | 2 |
| **Date Completed:** | 04/13/2011 | **UTMRC Desc:** | margin of error : 3 - 10 m |
| **Remarks:** | | **Location Method:** | wwr |

**Loc 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:*** | 1003883360 |
| ***Layer:*** | 4 |
| ***Color:*** | 8 |
| ***General Color:*** | BLACK |
| ***Mat1:*** | 17 |
| ***Most Common Material:*** | SHALE |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 104.0 |
| ***Formation End Depth:*** | 380.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1003883359 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 65.0 |
| ***Formation End Depth:*** | 104.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1003883357 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 34 |
| ***Most Common Material:*** | TILL |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | 79 |
| ***Mat3 Desc:*** | PACKED |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 8.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1003883358 |
| ***Layer:*** | 2 |
| ***Color:*** | 8 |
| ***General Color:*** | BLACK |
| ***Mat1:*** | 17 |
| ***Most Common Material:*** | SHALE |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |

***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 8.0
***Formation End Depth:*** 65.0
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1003883396
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 20.0
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 1003883395
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1003883355
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1003883366
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:*** -1.5
***Depth To:*** 20.0
***Casing Diameter:*** 5.625
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Screen***

***Screen ID:*** 1003883367
***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:*** 1003883356
***Pump Set At:*** 320.0
***Static Level:*** 8.0
***Final Level After Pumping:*** 151.0

| | |
|---|---|
| ***Recommended Pump Depth:*** | 330.0 |
| ***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:*** | 0 |
| ***Pumping Duration HR:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883376 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 5 |
| ***Test Level:*** | 40.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883385 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 25 |
| ***Test Level:*** | 104.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883380 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 70.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883381 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 15 |
| ***Test Level:*** | 116.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883390 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 50 |
| ***Test Level:*** | 139.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883392 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 151.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883368
***Test Type:*** Draw Down
***Test Duration:*** 1
***Test Level:*** 10.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883371
***Test Type:*** Recovery
***Test Duration:*** 2
***Test Level:*** 130.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883377
***Test Type:*** Recovery
***Test Duration:*** 5
***Test Level:*** 126.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883373
***Test Type:*** Recovery
***Test Duration:*** 3
***Test Level:*** 129.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883374
***Test Type:*** Draw Down
***Test Duration:*** 4
***Test Level:*** 33.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883378
***Test Type:*** Draw Down
***Test Duration:*** 10
***Test Level:*** 56.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883382
***Test Type:*** Draw Down
***Test Duration:*** 20
***Test Level:*** 87.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883384

***Test Type:*** Draw Down
***Test Duration:*** 25
***Test Level:*** 101.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883387
***Test Type:*** Recovery
***Test Duration:*** 30
***Test Level:*** 100.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883370
***Test Type:*** Draw Down
***Test Duration:*** 2
***Test Level:*** 19.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883383
***Test Type:*** Recovery
***Test Duration:*** 20
***Test Level:*** 110.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883389
***Test Type:*** Recovery
***Test Duration:*** 40
***Test Level:*** 90.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883369
***Test Type:*** Recovery
***Test Duration:*** 1
***Test Level:*** 134.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883372
***Test Type:*** Draw Down
***Test Duration:*** 3
***Test Level:*** 27.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 1003883375
***Test Type:*** Recovery
***Test Duration:*** 4
***Test Level:*** 127.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883379 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 10 |
| ***Test Level:*** | 122.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883386 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 30 |
| ***Test Level:*** | 116.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883388 |
| ***Test Type:*** | Draw Down |
| ***Test Duration:*** | 40 |
| ***Test Level:*** | 126.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883391 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 50 |
| ***Test Level:*** | 83.0 |
| ***Test Level UOM:*** | ft |

***Draw Down & Recovery***

| | |
|---|---|
| ***Pump Test Detail ID:*** | 1003883393 |
| ***Test Type:*** | Recovery |
| ***Test Duration:*** | 60 |
| ***Test Level:*** | 74.0 |
| ***Test Level UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1003883364 |
| ***Layer:*** | 2 |
| ***Kind Code:*** | 8 |
| ***Kind:*** | Untested |
| ***Water Found Depth:*** | 217.0 |
| ***Water Found Depth UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1003883363 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 8 |
| ***Kind:*** | Untested |
| ***Water Found Depth:*** | 170.0 |
| ***Water Found Depth UOM:*** | ft |

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

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1003883365 |
| ***Layer:*** | 3 |
| ***Kind Code:*** | 8 |
| ***Kind:*** | Untested |
| ***Water Found Depth:*** | 345.0 |
| ***Water Found Depth UOM:*** | ft |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1003883361 |
| ***Diameter:*** | 6.0 |
| ***Depth From:*** | 20.0 |
| ***Depth To:*** | 380.0 |
| ***Hole Depth UOM:*** | ft |
| ***Hole Diameter UOM:*** | inch |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1003883362 |
| ***Diameter:*** | 10.0 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 20.0 |
| ***Hole Depth UOM:*** | ft |
| ***Hole Diameter UOM:*** | inch |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1003502128 | ***Tag No:*** | A089793 |
| ***Depth M:*** | 115.824 | ***Contractor:*** | 3749 |
| ***Year Completed:*** | 2011 | ***Latitude:*** | 45.3819174451532 |
| ***Well Completed Dt:*** | 04/13/2011 | ***Longitude:*** | -75.7721939795748 |
| ***Audit No:*** | Z103275 | ***Y:*** | 45.381917438499244 |
| ***Path:*** | 716\7162152.pdf | ***X:*** | -75.77219381818954 |

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 2 | *1 of 1* | *SSE/55.6* | *62.9 / 0.73* | ***The First Unitarian Congregation of Ottawa***<br>***40 Cleary Parkway***<br>***Ottawa ON*** | ***ECA*** |

| | | | |
|---|---|---|---|
| ***Approval No:*** | 2630-6YDS4B | ***MOE District:*** | |
| ***Approval Date:*** | 2007-02-15 | ***City:*** | |
| ***Status:*** | Approved | ***Longitude:*** | |
| ***Record Type:*** | ECA | ***Latitude:*** | |
| ***Link Source:*** | IDS | ***Geometry X:*** | |
| ***SWP Area Name:*** | | ***Geometry Y:*** | |
| ***Approval Type:*** | ECA-Municipal Drinking Water Systems | | |
| ***Project Type:*** | Municipal Drinking Water Systems | | |
| ***Business Name:*** | The First Unitarian Congregation of Ottawa | | |
| ***Address:*** | 40 Cleary Parkway | | |
| ***Full Address:*** | | | |
| ***Full PDF Link:*** | | | |
| ***PDF Site Location:*** | | | |

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 3 | *1 of 1* | *ENE/62.9* | *61.6 / -0.62* | ***ON*** | ***BORE*** |

| | | | |
|---|---|---|---|
| ***Borehole ID:*** | 611042 | ***Inclin FLG:*** | No |
| ***OGF ID:*** | 215512543 | ***SP Status:*** | Initial Entry |
| ***Status:*** | | ***Surv Elev:*** | No |
| ***Type:*** | Borehole | ***Piezometer:*** | No |

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

| | | | |
|---|---|---|---|
| **Use:** | | **Primary Name:** | |
| **Completion Date:** | SEP-1965 | **Municipality:** | |
| **Static Water Level:** | | **Lot:** | |
| **Primary Water Use:** | | **Township:** | |
| **Sec. Water Use:** | | **Latitude DD:** | 45.382047 |
| **Total Depth m:** | 4.1 | **Longitude DD:** | -75.771868 |
| **Depth Ref:** | Ground Surface | **UTM Zone:** | 18 |
| **Depth Elev:** | | **Easting:** | 439571 |
| **Drill Method:** | | **Northing:** | 5025682 |
| **Orig Ground Elev m:** | 59.8 | **Location Accuracy:** | |
| **Elev Reliabil Note:** | | **Accuracy:** | Not Applicable |
| **DEM Ground Elev m:** | 62.4 | | |
| **Concession:** | | | |
| **Location D:** | | | |
| **Survey D:** | | | |
| **Comments:** | | | |

***Borehole Geology Stratum***

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218387316 | **Mat Consistency:** | |
| **Top Depth:** | 2.4 | **Material Moisture:** | |
| **Bottom Depth:** | 4.1 | **Material Texture:** | |
| **Material Color:** | | **Non Geo Mat Type:** | |
| **Material 1:** | Bedrock | **Geologic Formation:** | |
| **Material 2:** | | **Geologic Group:** | |
| **Material 3:** | | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | BEDROCK. 00000 023 00050 010 0000001800050018000900140070ND. BEDROCK,LIMESTONE, D **Note: Many records provided by the department have a truncated [Stratum Description] field. | | |

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218387315 | **Mat Consistency:** | Dense |
| **Top Depth:** | 1.8 | **Material Moisture:** | |
| **Bottom Depth:** | 2.4 | **Material Texture:** | |
| **Material Color:** | | **Non Geo Mat Type:** | |
| **Material 1:** | Unknown | **Geologic Formation:** | |
| **Material 2:** | Till | **Geologic Group:** | |
| **Material 3:** | Silt | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | UNSPECIFIED,TILL, SILT. DENSE. | | |

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218387313 | **Mat Consistency:** | |
| **Top Depth:** | 0 | **Material Moisture:** | |
| **Bottom Depth:** | 1.5 | **Material Texture:** | Fine |
| **Material Color:** | | **Non Geo Mat Type:** | |
| **Material 1:** | | **Geologic Formation:** | |
| **Material 2:** | Sand | **Geologic Group:** | |
| **Material 3:** | Clay | **Geologic Period:** | |
| **Material 4:** | Wood Fragments | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | ARTIFICIAL,SAND VERY FINE,CLAY,WOOD. | | |

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218387314 | **Mat Consistency:** | Dense |
| **Top Depth:** | 1.5 | **Material Moisture:** | |
| **Bottom Depth:** | 1.8 | **Material Texture:** | |
| **Material Color:** | | **Non Geo Mat Type:** | |
| **Material 1:** | Unknown | **Geologic Formation:** | |
| **Material 2:** | Till | **Geologic Group:** | |
| **Material 3:** | Silt | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | UNSPECIFIED,TILL, SILT. DENSE. | | |

***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: 035500 NTS_Sheet: 31G05F | | |
| ***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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**4** ***1 of 1*** ***NNE/67.5*** ***60.9 / -1.25*** ***ON*** ***BORE***

| | | | |
|---|---|---|---|
| ***Borehole ID:*** | 611044 | ***Inclin FLG:*** | No |
| ***OGF ID:*** | 215512545 | ***SP Status:*** | Initial Entry |
| ***Status:*** | | ***Surv Elev:*** | No |
| ***Type:*** | Borehole | ***Piezometer:*** | No |
| ***Use:*** | | ***Primary Name:*** | |
| ***Completion Date:*** | MAY-1964 | ***Municipality:*** | |
| ***Static Water Level:*** | | ***Lot:*** | |
| ***Primary Water Use:*** | | ***Township:*** | |
| ***Sec. Water Use:*** | | ***Latitude DD:*** | 45.382225 |
| ***Total Depth m:*** | 3.9 | ***Longitude DD:*** | -75.772126 |
| ***Depth Ref:*** | Ground Surface | ***UTM Zone:*** | 18 |
| ***Depth Elev:*** | | ***Easting:*** | 439551 |
| ***Drill Method:*** | | ***Northing:*** | 5025702 |
| ***Orig Ground Elev m:*** | 61 | ***Location Accuracy:*** | |
| ***Elev Reliabil Note:*** | | ***Accuracy:*** | Not Applicable |
| ***DEM Ground Elev m:*** | 61.5 | | |
| ***Concession:*** | | | |
| ***Location D:*** | | | |
| ***Survey D:*** | | | |
| ***Comments:*** | | | |

***Borehole Geology Stratum***

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218387322 | ***Mat Consistency:*** | Loose |
| ***Top Depth:*** | 1.2 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | 1.5 | ***Material Texture:*** | Fine to Medium |
| ***Material Color:*** | | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | Sand | ***Geologic Formation:*** | |
| ***Material 2:*** | | ***Geologic Group:*** | |
| ***Material 3:*** | | ***Geologic Period:*** | |
| ***Material 4:*** | | ***Depositional Gen:*** | |
| ***Gsc Material Description:*** | | | |
| ***Stratum Description:*** | SAND-FINE TO MEDIUM.LOOSE. | | |

| | | | |
|---|---|---|---|
| ***Geology Stratum ID:*** | 218387325 | ***Mat Consistency:*** | Dense |
| ***Top Depth:*** | 2.3 | ***Material Moisture:*** | |
| ***Bottom Depth:*** | 2.3 | ***Material Texture:*** | |
| ***Material Color:*** | | ***Non Geo Mat Type:*** | |
| ***Material 1:*** | Unknown | ***Geologic Formation:*** | |
| ***Material 2:*** | Till | ***Geologic Group:*** | |

***Material 3:*** ***Geologic Period:***
***Material 4:*** ***Depositional Gen:***
***Gsc Material Description:***
***Stratum Description:*** UNSPECIFIED,TILL. DENSE.

***Geology Stratum ID:*** 218387324 ***Mat Consistency:*** Dense
***Top Depth:*** 1.8 ***Material Moisture:***
***Bottom Depth:*** 2.3 ***Material Texture:***
***Material Color:*** ***Non Geo Mat Type:***
***Material 1:*** Silt ***Geologic Formation:***
***Material 2:*** Clay ***Geologic Group:***
***Material 3:*** Sand ***Geologic Period:***
***Material 4:*** ***Depositional Gen:***
***Gsc Material Description:***
***Stratum Description:*** SILT,CLAY,SAND. DENSE.

***Geology Stratum ID:*** 218387326 ***Mat Consistency:***
***Top Depth:*** 2.3 ***Material Moisture:***
***Bottom Depth:*** 3.9 ***Material Texture:***
***Material Color:*** Grey ***Non Geo Mat Type:***
***Material 1:*** Bedrock ***Geologic Formation:***
***Material 2:*** ***Geologic Group:***
***Material 3:*** ***Geologic Period:***
***Material 4:*** ***Depositional Gen:***
***Gsc Material Description:***
***Stratum Description:*** BEDROCK. 0000001800050018000900140070ND. BEDROCK,LIMESTONE, DOLOMITE. GREY,SOUND.

***Geology Stratum ID:*** 218387321 ***Mat Consistency:***
***Top Depth:*** 0 ***Material Moisture:***
***Bottom Depth:*** 1.2 ***Material Texture:***
***Material Color:*** ***Non Geo Mat Type:***
***Material 1:*** ***Geologic Formation:***
***Material 2:*** Wood Fragments ***Geologic Group:***
***Material 3:*** Silt ***Geologic Period:***
***Material 4:*** ***Depositional Gen:***
***Gsc Material Description:***
***Stratum Description:*** ARTIFICIAL,WOOD,SILT **Note: Many records provided by the department have a truncated [Stratum Description] field.

***Geology Stratum ID:*** 218387323 ***Mat Consistency:*** Loose
***Top Depth:*** 1.5 ***Material Moisture:***
***Bottom Depth:*** 1.8 ***Material Texture:***
***Material Color:*** ***Non Geo Mat Type:***
***Material 1:*** Silt ***Geologic Formation:***
***Material 2:*** Clay ***Geologic Group:***
***Material 3:*** Sand ***Geologic Period:***
***Material 4:*** ***Depositional Gen:***
***Gsc Material Description:***
***Stratum Description:*** SILT,CLAY,SAND. LOOSE.

***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: 035520 NTS_Sheet: 31G05F
***Confiden 1:*** Logged by professional. Exact and complete description of material and properties.

***Source List***

***Source Identifier:*** 1 ***Horizontal Datum:*** NAD27

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

**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
**Vertical Datum:** Mean Average Sea Level
**Projection Name:** Universal Transverse Mercator

---

**5** **1 of 1** **ENE/82.3** **61.8 / -0.38** **Sir John A Macdonald and Cleary Ave, Ottawa OTTAWA ON** **SPL**

**Ref No:** 1-I4U9Y
**Site No:**
**Incident Dt:** 6/14/2021 3:30:00 PM
**Year:**
**Incident Cause:**
**Incident Event:**
**Environment Impact:** 1 Minor Impact
**Nature of Impact:**
**MOE Response:** Desktop Response
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 6/14/2021 6:49:58 PM
**Dt Document Closed:** 12/3/2021 4:06:58 PM
**Municipality No:**
**System Facility Address:**
**Client Type:**
**Call Report Location Geodata:** {"integration_ids":["PR00003969878"],"wkts":["POINT (-75.7715479000 45.3820311000)"],"creation_date":"2021-06-14"}
**Contaminant Code:**
**Contaminant Name:** HYDRAULIC OIL
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:**
**Incident Summary:** KEV - Hydraulic Oil Leak from Crane
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:**
**Property 2nd Watershed:** Central Ottawa
**Property Tertiary Watershed:** 02KF-Central Ottawa - Mississippi
**Sector Type:** CONSTRUCTION AND FORESTRY MACHINERY, EQUIPMENT AND SUPPLIES MERCHANT WHOLESALERS
**SAC Action Class:**
**Source Type:**
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:**
**Site Name:**
**Site Address:** Sir John A Macdonald and Cleary Ave, Ottawa
**Client Name:**
**Contaminant Qty:** 0 other - see notes
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**

---

**6** **1 of 3** **E/97.6** **63.0 / 0.78** **Dentech Inc.**
**797 Richmond Rd**
**Ottawa ON K2A 0G7** **SCT**

**Established:**
**Plant Size (ft²):**
**Employment:**

***--Details--***
**Description:** Medical Equipment and Supplies Manufacturing
**SIC/NAICS Code:** 339110

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

**Description:** Medical Equipment and Supplies Manufacturing
**SIC/NAICS Code:** 339110

---

**6** **2 of 3** **E/97.6** **63.0 / 0.78** **797 Richmond Road Ottawa ON K2A 0G7** **EHS**

| | | | |
|---|---|---|---|
| **Order No:** | 21021700041 | **Nearest Intersection:** | |
| **Status:** | C | **Municipality:** | |
| **Report Type:** | Standard Report | **Client Prov/State:** | ON |
| **Report Date:** | 22-FEB-21 | **Search Radius (km):** | .25 |
| **Date Received:** | 17-FEB-21 | **X:** | -75.7712167 |
| **Previous Site Name:** | | **Y:** | 45.3816171 |
| **Lot/Building Size:** | | | |
| **Additional Info Ordered:** | | | |

---

**6** **3 of 3** **E/97.6** **63.0 / 0.78** **797 Richmond Road Ottawa ON K2A 0G7** **EHS**

| | | | |
|---|---|---|---|
| **Order No:** | 21021700041 | **Nearest Intersection:** | |
| **Status:** | C | **Municipality:** | |
| **Report Type:** | Standard Report | **Client Prov/State:** | ON |
| **Report Date:** | 22-FEB-21 | **Search Radius (km):** | .25 |
| **Date Received:** | 17-FEB-21 | **X:** | -75.7712167 |
| **Previous Site Name:** | | **Y:** | 45.3816171 |
| **Lot/Building Size:** | | | |
| **Additional Info Ordered:** | | | |

---

**7** **1 of 1** **NW/112.5** **60.9 / -1.31** **ON** **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 1508425 | **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:** | 09/09/1953 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | | **Contractor:** | 4833 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508425.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 12/08/1952 |
| **Year Completed:** | 1952 |
| **Depth (m):** | 12.192 |
| **Latitude:** | 45.3825774948331 |

**Longitude:** -75.7730881479276
**Path:** 150\1508425.pdf

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10030459 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439475.70 |
| **Code OB Desc:** | | **North83:** | 5025742.00 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 12/08/1952 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | p9 |

**Loc Method Desc:** Original Pre1985 UTM Rel Code 9: unknown UTM
**Elevrc Desc:**
**Location Source Date:**
**Improvement Location Source:**
**Improvement Location Method:**
**Source Revision Comment:**
**Supplier Comment:**

***Overburden and Bedrock Materials Interval***

**Formation ID:** 931009635
**Layer:** 1
**Color:**
**General Color:**
**Mat1:** 15
**Most Common Material:** LIMESTONE
**Mat2:**
**Mat2 Desc:**
**Mat3:**
**Mat3 Desc:**
**Formation Top Depth:** 0.0
**Formation End Depth:** 40.0
**Formation End Depth UOM:** ft

***Method of Construction & Well Use***

**Method Construction ID:** 961508425
**Method Construction Code:** 1
**Method Construction:** Cable Tool
**Other Method Construction:**

***Pipe Information***

**Pipe ID:** 10579029
**Casing No:** 1
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 930053566
**Layer:** 1
**Material:** 1
**Open Hole or Material:** STEEL
**Depth From:**
**Depth To:** 16.0

***Casing Diameter:*** 5.0
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930053567
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 40.0
***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:*** 991508425
***Pump Set At:***
***Static Level:*** 8.0
***Final Level After Pumping:***
***Recommended Pump Depth:***
***Pumping Rate:*** 10.0
***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:*** 933462920
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 40.0
***Water Found Depth UOM:*** ft

***Links***

***Bore Hole ID:*** 10030459
***Depth M:*** 12.192
***Year Completed:*** 1952
***Well Completed Dt:*** 12/08/1952
***Audit No:***
***Path:*** 150\1508425.pdf
***Tag No:***
***Contractor:*** 4833
***Latitude:*** 45.3825774948331
***Longitude:*** -75.7730881479276
***Y:*** 45.38257748831606
***X:*** -75.77308798649793

**8** ***1 of 1*** ***E/121.3*** ***63.0 / 0.78*** ***ON*** ***WWIS***

***Well ID:*** 7387185
***Construction Date:***
***Use 1st:***
***Use 2nd:***
***Final Well Status:***
***Flowing (Y/N):***
***Flow Rate:***
***Data Entry Status:*** Yes
***Data Src:***
***Date Received:*** 05/13/2021

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

| | | | |
|---|---|---|---|
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | C32276 | **Contractor:** | 7328 |
| **Tag:** | A290212 | **Form Version:** | 8 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1008665116 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439645.00 |
| **Code OB Desc:** | | **North83:** | 5025641.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 03/04/2021 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Loc Method Desc:** | on Water Well Record | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Links***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1008665116 | **Tag No:** | A290212 |
| **Depth M:** | | **Contractor:** | 7328 |
| **Year Completed:** | 2021 | **Latitude:** | 45.3816830592416 |
| **Well Completed Dt:** | 03/04/2021 | **Longitude:** | -75.770913489344 |
| **Audit No:** | C32276 | **Y:** | 45.381683052152184 |
| **Path:** | | **X:** | -75.77091332768839 |

---

**9** | ***1 of 1*** | ***E/130.6*** | ***63.6 / 1.44*** | ***BYRON LINEAR PARK OTTAWA ON*** | ***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 7296572 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | Monitoring | **Data Src:** | |
| **Final Well Status:** | Observation Wells | **Date Received:** | 10/05/2017 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z250788 | **Contractor:** | 7241 |
| **Tag:** | A189927 | **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:*** | OTTAWA CITY | | |
| ***Site Info:*** | | | |

***PDF URL (Map):*** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7296572.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| ***Well Completed Date:*** | 09/14/2017 |
| ***Year Completed:*** | 2017 |
| ***Depth (m):*** | 2.228088 |
| ***Latitude:*** | 45.381377473006 |
| ***Longitude:*** | -75.7708454715041 |
| ***Path:*** | 729\7296572.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1006758601 | ***Elevation:*** | |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 439650.00 |
| ***Code OB Desc:*** | | ***North83:*** | 5025607.00 |
| ***Open Hole:*** | | ***Org CS:*** | UTM83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 09/14/2017 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Loc 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:*** | 1006953239 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 06 |
| ***Most Common Material:*** | SILT |
| ***Mat2:*** | 28 |
| ***Mat2 Desc:*** | SAND |
| ***Mat3:*** | 11 |
| ***Mat3 Desc:*** | GRAVEL |
| ***Formation Top Depth:*** | 1.2100000381469727 |
| ***Formation End Depth:*** | 2.430000066757202 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006953240 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 06 |
| ***Most Common Material:*** | SILT |
| ***Mat2:*** | |

***Mat2 Desc:***
***Mat3:*** 91
***Mat3 Desc:*** WATER-BEARING
***Formation Top Depth:*** 2.430000066757202
***Formation End Depth:*** 4.570000171661377
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1006953238
***Layer:*** 1
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 11
***Mat2 Desc:*** GRAVEL
***Mat3:*** 85
***Mat3 Desc:*** SOFT
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 1.2100000381469727
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1006953241
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 06
***Most Common Material:*** SILT
***Mat2:*** 11
***Mat2 Desc:*** GRAVEL
***Mat3:*** 91
***Mat3 Desc:*** WATER-BEARING
***Formation Top Depth:*** 4.570000171661377
***Formation End Depth:*** 7.309999942779541
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006953249
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006953251
***Layer:*** 3
***Plug From:*** 3.9600000381469727
***Plug To:*** 7.309999942779541
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

**Plug ID:** 1006953250
**Layer:** 2
**Plug From:** 0.3100000023841858
**Plug To:** 3.9600000381469727
**Plug Depth UOM:** ft

***Method of Construction & Well Use***

**Method Construction ID:** 1006953248
**Method Construction Code:** 2
**Method Construction:** Rotary (Convent.)
**Other Method Construction:**

***Pipe Information***

**Pipe ID:** 1006953237
**Casing No:** 0
**Comment:**
**Alt Name:**

***Construction Record - Casing***

**Casing ID:** 1006953244
**Layer:** 1
**Material:** 5
**Open Hole or Material:** PLASTIC
**Depth From:** 0.0
**Depth To:** 4.260000228881836
**Casing Diameter:** 5.199999809265137
**Casing Diameter UOM:** inch
**Casing Depth UOM:** ft

***Construction Record - Screen***

**Screen ID:** 1006953245
**Layer:** 1
**Slot:** 10
**Screen Top Depth:** 4.260000228881836
**Screen End Depth:** 7.309999942779541
**Screen Material:** 5
**Screen Depth UOM:** ft
**Screen Diameter UOM:** inch
**Screen Diameter:** 6.03000020980835

***Water Details***

**Water ID:** 1006953243
**Layer:**
**Kind Code:**
**Kind:**
**Water Found Depth:**
**Water Found Depth UOM:** ft

***Hole Diameter***

**Hole ID:** 1006953242
**Diameter:** 15.239999771118164
**Depth From:** 0.0
**Depth To:** 7.309999942779541
**Hole Depth UOM:** ft

**Hole Diameter UOM:** inch

***Links***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006758601 | **Tag No:** | A189927 |
| **Depth M:** | 2.228088 | **Contractor:** | 7241 |
| **Year Completed:** | 2017 | **Latitude:** | 45.381377473006 |
| **Well Completed Dt:** | 09/14/2017 | **Longitude:** | -75.7708454715041 |
| **Audit No:** | Z250788 | **Y:** | 45.38137746649328 |
| **Path:** | 729\7296572.pdf | **X:** | -75.77084530999853 |

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**10** | **1 of 1** | **WSW/132.1** | **61.7 / -0.46** | **PhotoCAD Inc.**
**66 Aylen Ave**
**Ottawa ON K2A 3P9** | **SCT**

**Established:** 01-JUN-90
**Plant Size (ft²):** 1000
**Employment:**

***--Details--***
**Description:** Computer Systems Design and Related Services
**SIC/NAICS Code:** 541510

**Description:** All Other Wholesaler-Distributors
**SIC/NAICS Code:** 418990

**Description:** Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
**SIC/NAICS Code:** 417230

**Description:** Industrial Machinery, Equipment and Supplies Wholesaler-Distributors
**SIC/NAICS Code:** 417230

**Description:** Drafting Services
**SIC/NAICS Code:** 541340

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**11** | **1 of 1** | **ENE/137.2** | **61.8 / -0.37** | **ON** | **BORE**

| | | | |
|---|---|---|---|
| **Borehole ID:** | 611043 | **Inclin FLG:** | No |
| **OGF ID:** | 215512544 | **SP Status:** | Initial Entry |
| **Status:** | | **Surv Elev:** | No |
| **Type:** | Borehole | **Piezometer:** | No |
| **Use:** | | **Primary Name:** | |
| **Completion Date:** | | **Municipality:** | |
| **Static Water Level:** | | **Lot:** | |
| **Primary Water Use:** | | **Township:** | |
| **Sec. Water Use:** | | **Latitude DD:** | 45.382144 |
| **Total Depth m:** | -999 | **Longitude DD:** | -75.770847 |
| **Depth Ref:** | Ground Surface | **UTM Zone:** | 18 |
| **Depth Elev:** | | **Easting:** | 439651 |
| **Drill Method:** | | **Northing:** | 5025692 |
| **Orig Ground Elev m:** | 62.5 | **Location Accuracy:** | |
| **Elev Reliabil Note:** | | **Accuracy:** | Not Applicable |
| **DEM Ground Elev m:** | 63.8 | | |
| **Concession:** | | | |
| **Location D:** | | | |
| **Survey D:** | | | |
| **Comments:** | | | |

***Borehole Geology Stratum***

**Geology Stratum ID:** 218387319
**Top Depth:** 11
**Bottom Depth:** 11.6
**Material Color:**
**Material 1:** Sand
**Material 2:**
**Material 3:**
**Material 4:**
**Gsc Material Description:**
**Stratum Description:** SAND.

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

**Geology Stratum ID:** 218387317
**Top Depth:** 0
**Bottom Depth:** 9.1
**Material Color:**
**Material 1:** Clay
**Material 2:**
**Material 3:**
**Material 4:**
**Gsc Material Description:**
**Stratum Description:** CLAY.

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

**Geology Stratum ID:** 218387318
**Top Depth:** 9.1
**Bottom Depth:** 11
**Material Color:**
**Material 1:** Till
**Material 2:**
**Material 3:**
**Material 4:**
**Gsc Material Description:**
**Stratum Description:** TILL.

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

**Geology Stratum ID:** 218387320
**Top Depth:** 11.6
**Bottom Depth:**
**Material Color:**
**Material 1:** Bedrock
**Material 2:**
**Material 3:**
**Material 4:**
**Gsc Material Description:**
**Stratum Description:** BEDROCK. UNSPECIFIED,TILL, SILT. DENSE. UNSPECIFIED,TILL, SILT. DENSE. BEDROCK. 00000 0 **Note: Many records provided by the department have a truncated [Stratum Description] field.

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

***Source***

**Source Type:** Data Survey
**Source Orig:** Geological Survey of Canada
**Source Date:** 1956-1972
**Confidence:** H
**Observatio:**
**Source Name:** Urban Geology Automated Information System (UGAIS)
**Source Details:** File: OTTAWA1.txt RecordID: 035510 NTS_Sheet: 31G05F
**Confiden 1:** Logged by professional. Exact and complete description of material and properties.

**Source Appl:** Spatial/Tabular
**Source Iden:** 1
**Scale or Res:** Varies
**Horizontal:** NAD27
**Verticalda:** Mean Average Sea Level

***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

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 12 | 1 of 5 | ENE/141.4 | 61.8 / -0.36 | BAKER'S DOZEN DONUTS<br>793 RICHMOND ST.<br>OTTAWA CITY ON K2A 0G7 | CA |

**Certificate #:** 8-4008-88-
**Application Year:** 88
**Issue Date:** 3/4/1988
**Approval Type:** Industrial air
**Status:** Approved
**Application Type:**
**Client Name:**
**Client Address:**
**Client City:**
**Client Postal Code:**
**Project Description:** KITCHEN EXHAUST
**Contaminants:** Odour/Fumes
**Emission Control:** No Controls

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 12 | 2 of 5 | ENE/141.4 | 61.8 / -0.36 | Carastan Carpet Co Limited<br>793 Richmond Road<br>Ottawa ON K2A 0G7 | GEN |

**Generator No:** ON6548991
**SIC Code:** 442210
**SIC Description:** Floor Covering Stores
**Approval Years:** 05
**PO Box No:**
**Country:**
**Status:**
**Co Admin:**
**Choice of Contact:**
**Phone No Admin:**
**Contaminated Facility:**
**MHSW Facility:**

***Detail(s)***

**Waste Class:** 221
**Waste Class Name:** LIGHT FUELS

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 12 | 3 of 5 | ENE/141.4 | 61.8 / -0.36 | Charlesfort Developments Limited<br>761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7<br>OTTAWA ON K2A 0G7 | RSC |

**RSC ID:** 54112
**RA No:**
**RSC Type:**
**Curr Property Use:** Commercial
**Ministry District:** OTTAWA
**Filing Date:** 12-Jun-09
**Date Ack:**
**Date Returned:**
**Restoration Type:**
**Soil Type:**
**Criteria:**
**CPU Issued Sect 1686:** No
**Cert Date:** 14-May-09
**Cert Prop Use No:** No CPU
**Intended Prop Use:** Residential
**Qual Person Name:** John Davis
**Stratified (Y/N):**
**Audit (Y/N):**
**Entire Leg Prop. (Y/N):** Yes
**Accuracy Estimate:** 0 to 1 meters
**Telephone:** 613-2330044
**Fax:** 613-2330955
**Email:** jdavis@charlesfort.ca
**Asmt Roll No:** 0614.094.902.07400.0000 and 0614.094.902.07500.0000
**Prop ID No (PIN):** 04751-0117 and 04751-0118
**Property Municipal Address:** 761 and 793 Richmond Road, Ottawa, Ontario, K2A 0G7

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

| | |
|---|---|
| **Mailing Address:** | 787 BANK ST, OTTAWA, ON, K1S 3V5 |
| **Latitude & Latitude:** | 45.38201740N 75.77072640W (converted from UTM) |
| **UTM Coordinates:** | NAD83 18-439660-5025678 |
| **Consultant:** | |
| **Legal Desc:** | Part Lot 27, Concession 1, (Ottawa Front), Geographic Township of Nepean, City of Ottawa being all of PINs 04751-0117and 04751-0118 |
| **Measurement Method:** | Digitized from a map |
| **Applicable Standards:** | Full Depth Site Conditions Standard, with Nonpotable Ground Water, Coarse Textured Soil, for Residential/Parkland/Institutional property use |
| **RSC PDF:** | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 12 | 4 of 5 | ENE/141.4 | 61.8 / -0.36 | **Charlesfort Developments Limited**<br>**793 Richmond Road**<br>**Ottawa ON K2A 0G7** | GEN |

| | |
|---|---|
| **Generator No:** | ON5917840 |
| **SIC Code:** | 236110 |
| **SIC Description:** | Residential Building Construction |
| **Approval Years:** | 07,08 |
| **PO Box No:** | |
| **Country:** | |
| **Status:** | |
| **Co Admin:** | |
| **Choice of Contact:** | |
| **Phone No Admin:** | |
| **Contaminated Facility:** | |
| **MHSW Facility:** | |

***Detail(s)***

| | |
|---|---|
| **Waste Class:** | 221 |
| **Waste Class Name:** | LIGHT FUELS |
| **Waste Class:** | 251 |
| **Waste Class Name:** | OIL SKIMMINGS & SLUDGES |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 12 | 5 of 5 | ENE/141.4 | 61.8 / -0.36 | **Charlesfort Developments Limited**<br>**793 Richmond Road**<br>**Ottawa ON K2A 0G7** | GEN |

| | |
|---|---|
| **Generator No:** | ON5917840 |
| **SIC Code:** | 236110 |
| **SIC Description:** | Residential Building Construction |
| **Approval Years:** | 2010 |
| **PO Box No:** | |
| **Country:** | |
| **Status:** | |
| **Co Admin:** | |
| **Choice of Contact:** | |
| **Phone No Admin:** | |
| **Contaminated Facility:** | |
| **MHSW Facility:** | |

***Detail(s)***

| | |
|---|---|
| **Waste Class:** | 251 |
| **Waste Class Name:** | OIL SKIMMINGS & SLUDGES |
| **Waste Class:** | 221 |
| **Waste Class Name:** | LIGHT FUELS |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 13 | 1 of 4 | ESE/146.7 | 63.9 / 1.69 | Kiewit Eurovia Vinci<br>Park near Sherbourne Rd. & Byron Ave.<br>Ottawa ON | SPL |

| | | | |
|---|---|---|---|
| **Ref No:** | 4661-BZMRFD | **Contaminant Qty:** | 5 L |
| **Site No:** | NA | **Nature of Damage:** | |
| **Incident Dt:** | 3/31/2021 | **Discharger Report:** | |
| **Year:** | | **Material Group:** | |
| **Incident Cause:** | | **Health/Env Conseq:** | 2 - Minor Environment |
| **Incident Event:** | Leak/Break | **Agency Involved:** | |
| **Environment Impact:** | | **Site Lot:** | |
| **Nature of Impact:** | | **Site Conc:** | |
| **MOE Response:** | No | **Site Geo Ref Accu:** | |
| **Dt MOE Arvl on Scn:** | | **Site Map Datum:** | |
| **MOE Reported Dt:** | 3/31/2021 | **Northing:** | 5025654 |
| **Dt Document Closed:** | 5/18/2021 | **Easting:** | 439688 |
| **Municipality No:** | | | |
| **System Facility Address:** | | | |
| **Client Type:** | Corporation | | |
| **Call Report Location Geodata:** | | | |
| **Contaminant Code:** | 15 | | |
| **Contaminant Name:** | HYDRAULIC OIL | | |
| **Contaminant Limit 1:** | | | |
| **Contam Limit Freq 1:** | | | |
| **Contaminant UN No 1:** | n/a | | |
| **Receiving Medium:** | | | |
| **Receiving Environment:** | Land | | |
| **Incident Reason:** | Material Failure - Poor Design/Substandard Material | | |
| **Incident Summary:** | KEV: ~5L Hydraulic Oil to Ground, Cleaned | | |
| **Site Region:** | Eastern | | |
| **Site Municipality:** | Ottawa | | |
| **Activity Preceding Spill:** | | | |
| **Property 2nd Watershed:** | | | |
| **Property Tertiary Watershed:** | | | |
| **Sector Type:** | Miscellaneous Industrial | | |
| **SAC Action Class:** | | | |
| **Source Type:** | Valve/Fitting/Piping | | |
| **Site County/District:** | | | |
| **Site Geo Ref Meth:** | | | |
| **Site District Office:** | Ottawa | | |
| **Nearest Watercourse:** | | | |
| **Site Name:** | Hydraulic Oil Spill Site<UNOFFICIAL> | | |
| **Site Address:** | Park near Sherbourne Rd. & Byron Ave. | | |
| **Client Name:** | Kiewit Eurovia Vinci | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 13 | 2 of 4 | ESE/146.7 | 63.9 / 1.69 | Byron Ave & Sherbourne Rd, Ottawa<br>OTTAWA ON | SPL |

| | | | |
|---|---|---|---|
| **Ref No:** | 1-IOKDO | **Contaminant Qty:** | 2 litre (L) |
| **Site No:** | | **Nature of Damage:** | |
| **Incident Dt:** | | **Discharger Report:** | |
| **Year:** | | **Material Group:** | |
| **Incident Cause:** | | **Health/Env Conseq:** | 0 No Impact |
| **Incident Event:** | Leak/Break | **Agency Involved:** | |
| **Environment Impact:** | 0 No Impact | **Site Lot:** | |
| **Nature of Impact:** | | **Site Conc:** | |
| **MOE Response:** | Desktop Response | **Site Geo Ref Accu:** | |
| **Dt MOE Arvl on Scn:** | | **Site Map Datum:** | |
| **MOE Reported Dt:** | 6/17/2021 11:30:00 AM | **Northing:** | |
| **Dt Document Closed:** | 7/23/2021 10:01:18 AM | **Easting:** | |
| **Municipality No:** | | | |
| **System Facility Address:** | | | |
| **Client Type:** | Private Business | | |
| **Call Report Location Geodata:** | {"integration_ids":["PR00004333142"],"wkts":["POINT (-75.7707980000 45.3810591000)"],"creation_date":"2021- | | |

06-17"}
**Contaminant Code:**
**Contaminant Name:** DIESEL FUEL AND WATER MIXTURE
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:** Unknown
**Incident Summary:** KEV: 2 L diesel exhaust fluid to soil cleaned.
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:** Normal operations
**Property 2nd Watershed:** Central Ottawa
**Property Tertiary Watershed:** 02KF-Central Ottawa - Mississippi
**Sector Type:** INDUSTRIAL BUILDING AND STRUCTURE CONSTRUCTION
**SAC Action Class:**
**Source Type:** Motor Vehicle
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:**
**Site Name:**
**Site Address:** Byron Ave & Sherbourne Rd, Ottawa
**Client Name:** KIEWIT EUROVIA VINCI OTTAWA PARTERNSHIP

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**13** **3 of 4** **ESE/146.7** **63.9 / 1.69** **KEV - Byron Ave and Sherbourn Rd, Ottawa OTTAWA ON** **SPL**

**Ref No:** 1-1B528F
**Site No:**
**Incident Dt:** 10/6/2021 12:00:00 PM
**Year:**
**Incident Cause:**
**Incident Event:**
**Environment Impact:** 1 Minor Impact
**Nature of Impact:**
**MOE Response:** Desktop Response
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 10/6/2021 3:48:38 PM
**Dt Document Closed:** 11/5/2021 11:45:53 AM
**Municipality No:**
**System Facility Address:**
**Contaminant Qty:** 20 litre (L)
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**
**Client Type:** Private Business
**Call Report Location Geodata:** {"integration_ids":["PR00004333142"],"wkts":["POINT (-75.7707980000 45.3810591000)"],"creation_date":"2021-10-06"}
**Contaminant Code:**
**Contaminant Name:** HYDRAULIC OIL
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:**
**Incident Summary:** KEV - 20L of hydraulic oil to rock floor of tunnel
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:**
**Property 2nd Watershed:** Central Ottawa
**Property Tertiary Watershed:** 02KF-Central Ottawa - Mississippi
**Sector Type:** CONSTRUCTION, TRANSPORTATION, MINING, AND FORESTRY MACHINERY AND EQUIPMENT RENTAL AND LEASING
**SAC Action Class:**
**Source Type:** Motor Vehicle

**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:**
**Site Name:**
**Site Address:** KEV - Byron Ave and Sherbourn Rd, Ottawa
**Client Name:** KIEWIT EUROVIA VINCI OTTAWA PARTERNSHIP

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**13** | **4 of 4** | **ESE/146.7** | **63.9 / 1.69** | **Byron Ave and Sherbourne Rd. OTTAWA ON** | **SPL**

**Ref No:** 1-CAOEN
**Site No:**
**Incident Dt:** 4/12/2021 11:00:00 AM
**Year:**
**Incident Cause:**
**Incident Event:** Unknown / N/A
**Environment Impact:** 1 Minor Impact
**Nature of Impact:**
**MOE Response:** Desktop Response
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 4/12/2021 4:16:19 PM
**Dt Document Closed:** 8/6/2021 1:35:37 PM
**Municipality No:**
**System Facility Address:**
**Client Type:** Private Business
**Call Report Location Geodata:** {"integration_ids":["PR00004333142"],"wkts":["POINT (-75.7707980000 45.3810591000)"],"creation_date":"2021-04-12"}
**Contaminant Code:**
**Contaminant Name:** DIESEL FUEL
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:** Equipment failure/malfunction
**Incident Summary:** KEV: 1L deisel to soil
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:** Unknown
**Property 2nd Watershed:** Central Ottawa
**Property Tertiary Watershed:** 02KF-Central Ottawa - Mississippi
**Sector Type:** HIGHWAY, STREET AND BRIDGE CONSTRUCTION
**SAC Action Class:**
**Source Type:** Truck - Tanker
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:** No
**Site Name:**
**Site Address:** Byron Ave and Sherbourne Rd.
**Client Name:** KIEWIT EUROVIA VINCI OTTAWA PARTERNSHIP

**Contaminant Qty:** 1 litre (L)
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**

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**14** | **1 of 3** | **ENE/157.7** | **61.8 / -0.36** | **Melville Trucking Incorporated 75 CLEARY AVE OTTAWA ON K2A 1R8** | **EASR**

**Approval No:** R-004-1114193210
**Status:** REGISTERED
**Date:** May 24, 2022
**Record Type:** EASR
**Link Source:** MOFA

**MOE District:** Ottawa
**Municipality:** OTTAWA
**Latitude:** 45.3825
**Longitude:** -75.77111111
**Geometry X:** -8434801.5056999996

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

**Project Type:** Waste Management System
**Geometry Y:** 5681940.6330000022
**Full Address:**
**Approval Type:** EASR-Waste Management System
**SWP Area Name:** Rideau Valley
**PDF URL:** http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2643598
**PDF Site Location:** Illinois

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14 | 2 of 3 | ENE/157.7 | 61.8 / -0.36 | **Baxtec Mechanical Services**
**75 Cleary Avenue**
**Ottawa ON K2A 1R8** | GEN

**Generator No:** ON3826657
**SIC Code:**
**SIC Description:**
**Approval Years:** As of Oct 2022
**PO Box No:**
**Country:** Canada
**Status:** Registered
**Co Admin:**
**Choice of Contact:**
**Phone No Admin:**
**Contaminated Facility:**
**MHSW Facility:**

***Detail(s)***

**Waste Class:** 251 L
**Waste Class Name:** OIL SKIMMINGS & SLUDGES

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14 | 3 of 3 | ENE/157.7 | 61.8 / -0.36 | **Just east of 75 Cleary Avenue, Ottawa**
**OTTAWA ON** | SPL

**Ref No:** 1-CC46B
**Site No:**
**Incident Dt:** 4/13/2021 6:18:46 PM
**Year:**
**Incident Cause:**
**Incident Event:** Unknown / N/A
**Environment Impact:** 1 Minor Impact
**Nature of Impact:**
**MOE Response:** Desktop Response
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 4/13/2021 6:18:49 PM
**Dt Document Closed:**
**Municipality No:**
**System Facility Address:**
**Client Type:**
**Contaminant Qty:** 1 litre (L)
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**
**Call Report Location Geodata:** {"integration_ids":["PR00004333142"],"wkts":["POINT (-75.7704250333 45.3819202304)"],"creation_date":"2021-04-13"}
**Contaminant Code:**
**Contaminant Name:** HYDROCARBONS, LIQUID (N.O.S.)
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:** Unknown
**Incident Summary:** KEV: 1/2L of unknown hydrocarbons, cleaned
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:** Unknown
**Property 2nd Watershed:** Central Ottawa

| | |
|---|---|
| **Property Tertiary Watershed:** | 02KF-Central Ottawa - Mississippi |
| **Sector Type:** | |
| **SAC Action Class:** | |
| **Source Type:** | Unknown / N/A |
| **Site County/District:** | |
| **Site Geo Ref Meth:** | |
| **Site District Office:** | Ottawa District Office |
| **Nearest Watercourse:** | |
| **Site Name:** | |
| **Site Address:** | Just east of 75 Cleary Avenue, Ottawa |
| **Client Name:** | |

| 15 | 1 of 1 | SE/166.8 | 64.8 / 2.63 | BYRON LINEAR PARK OTTAWA ON | WWIS |
|---|---|---|---|---|---|

| | | | |
|---|---|---|---|
| **Well ID:** | 7296573 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | Monitoring | **Data Src:** | |
| **Final Well Status:** | Observation Wells | **Date Received:** | 10/05/2017 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z250787 | **Contractor:** | 7241 |
| **Tag:** | A189915 | **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/729\7296573.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 09/14/2017 |
| **Year Completed:** | 2017 |
| **Depth (m):** | 1.764792 |
| **Latitude:** | 45.3805480469547 |
| **Longitude:** | -75.7710385638743 |
| **Path:** | 729\7296573.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006758604 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439634.00 |
| **Code OB Desc:** | | **North83:** | 5025515.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 5 |
| **Date Completed:** | 09/14/2017 | **UTMRC Desc:** | margin of error : 100 m - 300 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Loc 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:*** | 1006953254 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 06 |
| ***Most Common Material:*** | SILT |
| ***Mat2:*** | 28 |
| ***Mat2 Desc:*** | SAND |
| ***Mat3:*** | 11 |
| ***Mat3 Desc:*** | GRAVEL |
| ***Formation Top Depth:*** | 1.2100000381469727 |
| ***Formation End Depth:*** | 2.430000066757202 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006953255 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 06 |
| ***Most Common Material:*** | SILT |
| ***Mat2:*** | 11 |
| ***Mat2 Desc:*** | GRAVEL |
| ***Mat3:*** | 91 |
| ***Mat3 Desc:*** | WATER-BEARING |
| ***Formation Top Depth:*** | 2.430000066757202 |
| ***Formation End Depth:*** | 5.789999961853027 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006953253 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 11 |
| ***Mat2 Desc:*** | GRAVEL |
| ***Mat3:*** | 85 |
| ***Mat3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 1.2100000381469727 |
| ***Formation End Depth UOM:*** | ft |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1006953265 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 2.430000066757202 |
| ***Plug To:*** | 5.789999961853027 |

***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006953263
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006953264
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 2.430000066757202
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 1006953262
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1006953252
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1006953258
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 2.740000009536743
***Casing Diameter:*** 5.199999809265137
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Screen***

***Screen ID:*** 1006953259
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 2.740000009536743
***Screen End Depth:*** 5.789999961853027
***Screen Material:*** 5
***Screen Depth UOM:*** ft
***Screen Diameter UOM:*** inch
***Screen Diameter:*** 6.03000020980835

***Water Details***

**Water ID:** 1006953257
**Layer:**
**Kind Code:**
**Kind:**
**Water Found Depth:**
**Water Found Depth UOM:** ft

***Hole Diameter***

**Hole ID:** 1006953256
**Diameter:** 15.239999771118164
**Depth From:** 0.0
**Depth To:** 5.789999961853027
**Hole Depth UOM:** ft
**Hole Diameter UOM:** inch

***Links***

**Bore Hole ID:** 1006758604
**Depth M:** 1.764792
**Year Completed:** 2017
**Well Completed Dt:** 09/14/2017
**Audit No:** Z250787
**Path:** 729\7296573.pdf
**Tag No:** A189915
**Contractor:** 7241
**Latitude:** 45.3805480469547
**Longitude:** -75.7710385638743
**Y:** 45.38054804005903
**X:** -75.77103840197708

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**16** | **1 of 1** | **W/171.4** | **60.9 / -1.27** | **Lehigh Hanson Canada ULC**
**2122 Wayne Ave**
**Ottawa ON K2A 0B8** | **SPL**

**Ref No:** 7132-BESMA7
**Site No:** NA
**Incident Dt:** 8/6/2019
**Year:**
**Incident Cause:**
**Incident Event:** Leak/Break
**Environment Impact:**
**Nature of Impact:**
**MOE Response:** No
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 8/6/2019
**Dt Document Closed:** 9/11/2019
**Municipality No:**
**System Facility Address:**
**Client Type:** Corporation
**Call Report Location Geodata:**
**Contaminant Code:** 15
**Contaminant Name:** HYDRAULIC OIL
**Contaminant Limit 1:**
**Contam Limit Freq 1:** n/a
**Contaminant UN No 1:** n/a
**Receiving Medium:**
**Receiving Environment:** Land
**Incident Reason:** Material Failure - Poor Design/Substandard Material
**Incident Summary:** Lehigh Hanson hydraulic oil spill 20 L
**Site Region:** Eastern
**Site Municipality:** Ottawa
**Activity Preceding Spill:**
**Property 2nd Watershed:**
**Property Tertiary Watershed:**
**Sector Type:** Miscellaneous Communal
**SAC Action Class:** Land Spills
**Source Type:** Valve/Fitting/Piping
**Contaminant Qty:** 20 L
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 - No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:** 5025703
**Easting:** 439374

| | |
|---|---|
| **Site County/District:** | |
| **Site Geo Ref Meth:** | |
| **Site District Office:** | Ottawa |
| **Nearest Watercourse:** | |
| **Site Name:** | spill<UNOFFICIAL> |
| **Site Address:** | 2122 Wayne Ave |
| **Client Name:** | Lehigh Hanson Canada ULC |

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**17** | **1 of 1** | **SSE/175.2** | **64.9 / 2.69** | **Kiewit Eurovia Vinci**
**Byron Park to the east across from 851 Richmond Road**
**Ottawa ON** | **SPL**

| | | | |
|---|---|---|---|
| **Ref No:** | 4242-BY2S35 | **Contaminant Qty:** | 1 L |
| **Site No:** | NA | **Nature of Damage:** | |
| **Incident Dt:** | 2021/02/08 | **Discharger Report:** | |
| **Year:** | | **Material Group:** | |
| **Incident Cause:** | | **Health/Env Conseq:** | 2 - Minor Environment |
| **Incident Event:** | Leak/Break | **Agency Involved:** | |
| **Environment Impact:** | | **Site Lot:** | |
| **Nature of Impact:** | | **Site Conc:** | |
| **MOE Response:** | No | **Site Geo Ref Accu:** | |
| **Dt MOE Arvl on Scn:** | | **Site Map Datum:** | |
| **MOE Reported Dt:** | 2021/02/08 | **Northing:** | 5025467 |
| **Dt Document Closed:** | 2021/04/19 | **Easting:** | 439549.82 |

| | |
|---|---|
| **Municipality No:** | |
| **System Facility Address:** | |
| **Client Type:** | Corporation |
| **Call Report Location Geodata:** | |
| **Contaminant Code:** | 15 |
| **Contaminant Name:** | HYDRAULIC OIL |
| **Contaminant Limit 1:** | |
| **Contam Limit Freq 1:** | |
| **Contaminant UN No 1:** | n/a |
| **Receiving Medium:** | |
| **Receiving Environment:** | Land; Source Water Zone |
| **Incident Reason:** | Equipment Failure |
| **Incident Summary:** | Kiewit Eurovia Vinci- 1 L hydraulic oil to soil and rock, cntd, clnd |
| **Site Region:** | Eastern |
| **Site Municipality:** | Ottawa |
| **Activity Preceding Spill:** | |
| **Property 2nd Watershed:** | |
| **Property Tertiary Watershed:** | |
| **Sector Type:** | Miscellaneous Industrial |
| **SAC Action Class:** | |
| **Source Type:** | Valve/Fitting/Piping |
| **Site County/District:** | |
| **Site Geo Ref Meth:** | |
| **Site District Office:** | Ottawa |
| **Nearest Watercourse:** | |
| **Site Name:** | Byron Park<UNOFFICIAL> |
| **Site Address:** | Byron Park to the east across from 851 Richmond Road |
| **Client Name:** | Kiewit Eurovia Vinci |

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**18** | **1 of 1** | **E/175.5** | **62.9 / 0.73** | **747 RICHMOND RD BYRON LWEAR PARK**
**OTTAWA ON** | **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 7292237 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Monitoring | **Data Entry Status:** | |
| **Use 2nd:** | | **Data Src:** | |
| **Final Well Status:** | Observation Wells | **Date Received:** | 08/09/2017 |

| | | | |
|---|---|---|---|
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z245021 | **Contractor:** | 1844 |
| **Tag:** | A215081 | **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):**

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 06/19/2017 |
| **Year Completed:** | 2017 |
| **Depth (m):** | 12.19 |
| **Latitude:** | 45.3819305537168 |
| **Longitude:** | -75.7702526545138 |
| **Path:** | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006711669 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439697.00 |
| **Code OB Desc:** | | **North83:** | 5025668.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 06/19/2017 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Loc 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:** | 1006843162 |
| **Layer:** | 2 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 05 |
| **Most Common Material:** | CLAY |
| **Mat2:** | 06 |
| **Mat2 Desc:** | SILT |
| **Mat3:** | |
| **Mat3 Desc:** | |
| **Formation Top Depth:** | 1.2000000476837158 |
| **Formation End Depth:** | 2.700000047683716 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006843161 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 11 |
| ***Mat2 Desc:*** | GRAVEL |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 1.2000000476837158 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006843163 |
| ***Layer:*** | 3 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 34 |
| ***Mat2 Desc:*** | TILL |
| ***Mat3:*** | 84 |
| ***Mat3 Desc:*** | SILTY |
| ***Formation Top Depth:*** | 2.700000047683716 |
| ***Formation End Depth:*** | 12.1899995803833 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1006843170 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.30000001192092896 |
| ***Plug To:*** | 8.800000190734863 |
| ***Plug Depth UOM:*** | m |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 1006843169 |
| ***Method Construction Code:*** | F |
| ***Method Construction:*** | H.S.A. |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1006843160 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1006843166 |

| | |
|---|---|
| **Layer:** | 1 |
| **Material:** | 5 |
| **Open Hole or Material:** | PLASTIC |
| **Depth From:** | |
| **Depth To:** | |
| **Casing Diameter:** | 5.079999923706055 |
| **Casing Diameter UOM:** | cm |
| **Casing Depth UOM:** | m |

***Construction Record - Screen***

| | |
|---|---|
| **Screen ID:** | 1006843167 |
| **Layer:** | 1 |
| **Slot:** | |
| **Screen Top Depth:** | |
| **Screen End Depth:** | |
| **Screen Material:** | 5 |
| **Screen Depth UOM:** | m |
| **Screen Diameter UOM:** | cm |
| **Screen Diameter:** | 5.880000114440918 |

***Water Details***

| | |
|---|---|
| **Water ID:** | 1006843165 |
| **Layer:** | 1 |
| **Kind Code:** | 8 |
| **Kind:** | Untested |
| **Water Found Depth:** | 9.819999694824219 |
| **Water Found Depth UOM:** | m |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1006843164 |
| **Diameter:** | 20.299999237060547 |
| **Depth From:** | 0.0 |
| **Depth To:** | 12.1899995803833 |
| **Hole Depth UOM:** | m |
| **Hole Diameter UOM:** | cm |

***Links***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006711669 | **Tag No:** | A215081 |
| **Depth M:** | 12.19 | **Contractor:** | 1844 |
| **Year Completed:** | 2017 | **Latitude:** | 45.3819305537168 |
| **Well Completed Dt:** | 06/19/2017 | **Longitude:** | -75.7702526545138 |
| **Audit No:** | Z245021 | **Y:** | 45.381930547166874 |
| **Path:** | 729\7292237.pdf | **X:** | -75.77025249302731 |

| 19 | 1 of 3 | ENE/176.6 | 60.9 / -1.31 | Unitarian House of Ottawa<br>20 Cleary Ave. 20 Cleary Ave.<br>Ottawa ON K2A 3Z9 | GEN |
|---|---|---|---|---|---|

| | |
|---|---|
| **Generator No:** | ON3250595 |
| **SIC Code:** | 531112 |
| **SIC Description:** | 531112 |
| **Approval Years:** | 2014 |
| **PO Box No:** | |
| **Country:** | Canada |
| **Status:** | |
| **Co Admin:** | David Curry |
| **Choice of Contact:** | CO_OFFICIAL |
| **Phone No Admin:** | 613-722-6690 Ext. |

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

***Contaminated Facility:*** No
***MHSW Facility:*** No

***Detail(s)***

***Waste Class:*** 251
***Waste Class Name:*** OIL SKIMMINGS & SLUDGES

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**19** | ***2 of 3*** | ***ENE/176.6*** | ***60.9 / -1.31*** | ***Unitarian House of Ottawa***
***20 Cleary Ave***
***Ottawa ON K2A3Z9*** | ***GEN***

***Generator No:*** ON7442425
***SIC Code:***
***SIC Description:***
***Approval Years:*** As of Dec 2017
***PO Box No:***
***Country:*** Canada
***Status:*** Registered
***Co Admin:***
***Choice of Contact:***
***Phone No Admin:***
***Contaminated Facility:***
***MHSW Facility:***

***Detail(s)***

***Waste Class:*** 146 L
***Waste Class Name:*** Other specified inorganic sludges, slurries or solids

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**19** | ***3 of 3*** | ***ENE/176.6*** | ***60.9 / -1.31*** | ***Unitarian House of Ottawa***
***20 Cleary Ave***
***Ottawa ON K2A 3Z9*** | ***GEN***

***Generator No:*** ON2807061
***SIC Code:***
***SIC Description:***
***Approval Years:*** As of Nov 2021
***PO Box No:***
***Country:*** Canada
***Status:*** Registered
***Co Admin:***
***Choice of Contact:***
***Phone No Admin:***
***Contaminated Facility:***
***MHSW Facility:***

***Detail(s)***

***Waste Class:*** 251 L
***Waste Class Name:*** Waste oils/sludges (petroleum based)

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**20** | ***1 of 2*** | ***E/179.8*** | ***63.8 / 1.64*** | ***Sherbourne Avenue***
***Ottawa ON K2A 3G1*** | ***EHS***

***Order No:*** 20200508053
***Status:*** C
***Report Type:*** Standard Report
***Report Date:*** 13-MAY-20
***Date Received:*** 08-MAY-20
***Previous Site Name:***
***Nearest Intersection:***
***Municipality:***
***Client Prov/State:*** ON
***Search Radius (km):*** .25
***X:*** -75.7702227
***Y:*** 45.3813054

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

**Lot/Building Size:**
**Additional Info Ordered:**

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**20** | **2 of 2** | **E/179.8** | **63.8 / 1.64** | **Sherbourne Avenue**
**Ottawa ON K2A 3G1** | **EHS**

| | | | |
|---|---|---|---|
| **Order No:** | 20200508053 | **Nearest Intersection:** | |
| **Status:** | C | **Municipality:** | |
| **Report Type:** | Standard Report | **Client Prov/State:** | ON |
| **Report Date:** | 13-MAY-20 | **Search Radius (km):** | .25 |
| **Date Received:** | 08-MAY-20 | **X:** | -75.7702227 |
| **Previous Site Name:** | | **Y:** | 45.3813054 |
| **Lot/Building Size:** | | | |
| **Additional Info Ordered:** | | | |

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**21** | **1 of 1** | **E/185.0** | **63.8 / 1.64** | **900 Byron Avenue**
**Ottawa ON K2A 0J2** | **EHS**

| | | | |
|---|---|---|---|
| **Order No:** | 20100430040 | **Nearest Intersection:** | |
| **Status:** | C | **Municipality:** | |
| **Report Type:** | Custom Report | **Client Prov/State:** | ON |
| **Report Date:** | 5/7/2010 | **Search Radius (km):** | 0.25 |
| **Date Received:** | 4/30/2010 | **X:** | -75.770178 |
| **Previous Site Name:** | | **Y:** | 45.381238 |
| **Lot/Building Size:** | | | |
| **Additional Info Ordered:** | | | |

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**22** | **1 of 1** | **S/186.1** | **64.9 / 2.69** | **Kiewit Eurovia Vinci**
**Ottawa ON** | **SPL**

| | | | |
|---|---|---|---|
| **Ref No:** | 4844-BHTQ4Q | **Contaminant Qty:** | |
| **Site No:** | NA | **Nature of Damage:** | |
| **Incident Dt:** | 11/11/2019 | **Discharger Report:** | |
| **Year:** | | **Material Group:** | |
| **Incident Cause:** | | **Health/Env Conseq:** | 2 - Minor Environment |
| **Incident Event:** | Leak/Break | **Agency Involved:** | |
| **Environment Impact:** | | **Site Lot:** | |
| **Nature of Impact:** | | **Site Conc:** | |
| **MOE Response:** | No | **Site Geo Ref Accu:** | |
| **Dt MOE Arvl on Scn:** | | **Site Map Datum:** | |
| **MOE Reported Dt:** | 11/11/2019 | **Northing:** | 5025455 |
| **Dt Document Closed:** | | **Easting:** | 439542 |
| **Municipality No:** | | | |
| **System Facility Address:** | | | |
| **Client Type:** | Corporation | | |
| **Call Report Location Geodata:** | | | |
| **Contaminant Code:** | 15 | | |
| **Contaminant Name:** | HYDRAULIC OIL | | |
| **Contaminant Limit 1:** | | | |
| **Contam Limit Freq 1:** | | | |
| **Contaminant UN No 1:** | n/a | | |
| **Receiving Medium:** | | | |
| **Receiving Environment:** | Land | | |
| **Incident Reason:** | Equipment Failure | | |
| **Incident Summary:** | Ottawa LRT: woodchipper 1.5 L hydraulic oil spill. | | |
| **Site Region:** | Eastern | | |
| **Site Municipality:** | Ottawa | | |
| **Activity Preceding Spill:** | | | |
| **Property 2nd Watershed:** | | | |

***Property Tertiary Watershed:***
***Sector Type:*** Miscellaneous Industrial
***SAC Action Class:*** Land Spills
***Source Type:*** Other
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:*** Ottawa
***Nearest Watercourse:***
***Site Name:*** Woodchipper hydraulic oil spill. 1.5 L to pavement and soils<UNOFFICIAL>
***Site Address:***
***Client Name:*** Kiewit Eurovia Vinci

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**23** ***1 of 6*** ***ENE/188.1*** ***61.8 / -0.36*** ***Enbridge Gas Distribution Inc.***
***Cleary at Richmond Roads***
***Ottawa ON*** ***SPL***

***Ref No:*** 1361-8BHTCK
***Site No:***
***Incident Dt:***
***Year:***
***Incident Cause:*** Discharge or Emission to Air
***Incident Event:***
***Environment Impact:*** Not Anticipated
***Nature of Impact:***
***MOE Response:*** Referral to others
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 11/24/2010
***Dt Document Closed:*** 11/27/2010
***Municipality No:***
***System Facility Address:***
***Client Type:***
***Call Report Location Geodata:***
***Contaminant Code:*** 35
***Contaminant Name:*** NATURAL GAS (METHANE)
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Receiving Medium:***
***Receiving Environment:***
***Incident Reason:*** Error- Operator error
***Incident Summary:*** inch and a half damage by contractor
***Site Region:***
***Site Municipality:***
***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Property Tertiary Watershed:***
***Sector Type:*** Pipeline
***SAC Action Class:*** TSSA - Fuel Safety Branch
***Source Type:***
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:***
***Nearest Watercourse:***
***Site Name:*** Cleary at Richmond Roads<UNOFFICIAL>
***Site Address:***
***Client Name:***

***Contaminant Qty:*** 0 other - see incident description
***Nature of Damage:***
***Discharger Report:***
***Material Group:***
***Health/Env Conseq:***
***Agency Involved:***
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:***
***Easting:***

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**23** ***2 of 6*** ***ENE/188.1*** ***61.8 / -0.36*** ***Cleary Avenue & Richmond Road, Ottawa ON*** ***PINC***

***Incident Id:*** 2647586
***Incident No:*** 491276

***Pipe Material:*** Plastic
***Fuel Category:*** Natural Gas

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

| | | | |
|---|---|---|---|
| **Incident Reported Dt:** | | **Health Impact:** | No |
| **Type:** | FS-Pipeline Incident | **Environment Impact:** | No |
| **Status Code:** | Pipeline Damage Reason Est | **Property Damage:** | Yes |
| **Tank Status:** | RC Established | **Service Interrupt:** | Yes |
| **Task No:** | 3150470 | **Enforce Policy:** | Yes |
| **Spills Action Centre:** | 1361-8BHTCK | **Public Relation:** | No |
| **Fuel Type:** | Natural Gas | **Pipeline System:** | Transmission pipeline |
| **Fuel Occurrence Tp:** | Pipeline Strike | **PSIG:** | 53 |
| **Date of Occurrence:** | 11/24/2010 0:00 | **Attribute Category:** | FS-Perform P-line Inc Invest |
| **Occurrence Start Dt:** | 2011/06/08 | **Regulator Location:** | Outside |
| **Depth:** | 35 | **Method Details:** | E-mail |
| **Customer Acct Name:** | | | |
| **Incident Address:** | | | |
| **Operation Type:** | Construction Site (pipeline strike) | | |
| **Pipeline Type:** | Main Distribution Pipeline | | |
| **Regulator Type:** | Service Regulator (up to 60 psi intake) | | |
| **Summary:** | Cleary Avenue & Richmond Road, Ottawa - 1 1/4" Pipeline Hit | | |
| **Reported By:** | Todd Stiles - Enbridge | | |
| **Affiliation:** | Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.) | | |
| **Occurrence Desc:** | sidewalk replacement | | |
| **Damage Reason:** | Excavation practices not sufficient | | |
| **Notes:** | Failed to hand dig | | |

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| | | | | | |
|---|---|---|---|---|---|
| 23 | 3 of 6 | ENE/188.1 | 61.8 / -0.36 | Richmond Rd and Cleary Ave<br>Ottawa ON | SPL |

| | | | |
|---|---|---|---|
| **Ref No:** | 4571-AGGMH3 | **Contaminant Qty:** | 100 L |
| **Site No:** | NA | **Nature of Damage:** | |
| **Incident Dt:** | 2016/12/09 | **Discharger Report:** | |
| **Year:** | | **Material Group:** | |
| **Incident Cause:** | | **Health/Env Conseq:** | |
| **Incident Event:** | Leak/Break | **Agency Involved:** | |
| **Environment Impact:** | | **Site Lot:** | |
| **Nature of Impact:** | | **Site Conc:** | |
| **MOE Response:** | No | **Site Geo Ref Accu:** | |
| **Dt MOE Arvl on Scn:** | | **Site Map Datum:** | |
| **MOE Reported Dt:** | 2016/12/09 | **Northing:** | |
| **Dt Document Closed:** | | **Easting:** | |
| **Municipality No:** | | | |
| **System Facility Address:** | | | |
| **Client Type:** | | | |
| **Call Report Location Geodata:** | | | |
| **Contaminant Code:** | 13 | | |
| **Contaminant Name:** | DIESEL FUEL | | |
| **Contaminant Limit 1:** | | | |
| **Contam Limit Freq 1:** | | | |
| **Contaminant UN No 1:** | | | |
| **Receiving Medium:** | | | |
| **Receiving Environment:** | Land | | |
| **Incident Reason:** | Operator/Human Error | | |
| **Incident Summary:** | MVA TT: 100L diesel to ground, contained | | |
| **Site Region:** | | | |
| **Site Municipality:** | Ottawa | | |
| **Activity Preceding Spill:** | | | |
| **Property 2nd Watershed:** | | | |
| **Property Tertiary Watershed:** | | | |
| **Sector Type:** | Unknown / N/A | | |
| **SAC Action Class:** | Land Spills | | |
| **Source Type:** | | | |
| **Site County/District:** | | | |
| **Site Geo Ref Meth:** | | | |
| **Site District Office:** | | | |
| **Nearest Watercourse:** | | | |
| **Site Name:** | Richmond Road<UNOFFICIAL> | | |

**Site Address:** Richmond Rd and Cleary Ave
**Client Name:**

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**23** **4 of 6** **ENE/188.1** **61.8 / -0.36** **NE corner of Richmond Rd, Clearey Ave OTTAWA ON** **SPL**

**Ref No:** 1-1914B1
**Site No:**
**Incident Dt:** 9/13/2021 5:00:46 PM
**Year:**
**Incident Cause:**
**Incident Event:**
**Environment Impact:** 1 Minor Impact
**Nature of Impact:**
**MOE Response:** Desktop Response
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 9/13/2021 6:41:00 PM
**Dt Document Closed:** 11/5/2021 1:54:19 PM
**Municipality No:**
**System Facility Address:**
**Client Type:**
**Call Report Location Geodata:** {"integration_ids":["PR00004333142"],"wkts":["POINT (-75.7701669000 45.3821658000)"],"creation_date":"2021-09-13"}
**Contaminant Code:**
**Contaminant Name:** HYDRAULIC OIL
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:**
**Incident Summary:** OLRT: 20 L Hydraulic Oil to Asphalt and Walkway
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:**
**Property 2nd Watershed:** Central Ottawa
**Property Tertiary Watershed:** 02KF-Central Ottawa - Mississippi
**Sector Type:**
**SAC Action Class:**
**Source Type:**
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:**
**Site Name:**
**Site Address:** NE corner of Richmond Rd, Clearey Ave
**Client Name:**

**Contaminant Qty:** 20 litre (L)
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**

---

**23** **5 of 6** **ENE/188.1** **61.8 / -0.36** **Richmond road and Cleary Ave Ottawa OTTAWA ON** **SPL**

**Ref No:** 1-18JH3Z
**Site No:**
**Incident Dt:**
**Year:**
**Incident Cause:**
**Incident Event:**
**Environment Impact:** 1 Minor Impact
**Nature of Impact:**
**MOE Response:** Desktop Response
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 9/8/2021 11:09:53 AM

**Contaminant Qty:** 1 other - see notes
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**

**Dt Document Closed:** 11/5/2021 2:06:37 PM
**Easting:**
**Municipality No:**
**System Facility Address:**
**Client Type:**
**Call Report Location Geodata:** {"integration_ids":["PR00004333142"],"wkts":["POINT (-75.7701669000 45.3821658000)"],"creation_date":"2021-09-08"}
**Contaminant Code:**
**Contaminant Name:** GREASE (N.O.S.)
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:**
**Incident Summary:** Spill 1 litre grease KEV Ottawa
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:**
**Property 2nd Watershed:** Central Ottawa
**Property Tertiary Watershed:** 02KF-Central Ottawa - Mississippi
**Sector Type:** GENERAL FREIGHT TRUCKING, LOCAL
**SAC Action Class:**
**Source Type:**
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:**
**Site Name:**
**Site Address:** Richmond road and Cleary Ave Ottawa
**Client Name:**

---

| 23 | 6 of 6 | ENE/188.1 | 61.8 / -0.36 | Cleary Avenue & Richmond Road OTTAWA ON | SPL |
|---|---|---|---|---|---|

**Ref No:** 1-13Y0JT
**Site No:**
**Incident Dt:** 8/20/2021 1:00:00 PM
**Year:**
**Incident Cause:**
**Incident Event:** Leak/Break
**Environment Impact:** 1 Minor Impact
**Nature of Impact:**
**MOE Response:** Desktop Response
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 8/20/2021 3:13:37 PM
**Dt Document Closed:** 11/9/2021 2:29:55 PM
**Municipality No:**
**System Facility Address:**
**Client Type:**
**Contaminant Qty:** 5 litre (L)
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 0 No Impact
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:**
**Easting:**
**Call Report Location Geodata:** {"integration_ids":["PR00004333142"],"wkts":["POINT (-75.7701669000 45.3821658000)"],"creation_date":"2021-08-20"}
**Contaminant Code:**
**Contaminant Name:** HYDRAULIC OIL
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Receiving Medium:** Land
**Receiving Environment:**
**Incident Reason:**
**Incident Summary:** KEV: 5L hydraulic oil to grnd. clned
**Site Region:**
**Site Municipality:** OTTAWA
**Activity Preceding Spill:** Normal operations
**Property 2nd Watershed:** Central Ottawa

**Property Tertiary Watershed:** 02KF-Central Ottawa - Mississippi
**Sector Type:** COMMERCIAL AND INSTITUTIONAL BUILDING CONSTRUCTION
**SAC Action Class:**
**Source Type:** Valve/Fitting/Piping
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa District Office
**Nearest Watercourse:**
**Site Name:**
**Site Address:** Cleary Avenue & Richmond Road
**Client Name:**

---

**24** | **1 of 1** | **SSW/189.9** | **64.8 / 2.66** | **HOMESTEAD LAND HOLDINGS LIMITED**
**851 Richmond RD**
**OTTAWA ON K2A 3X2** | **EASR**

**Approval No:** R-009-6111097354
**Status:** REGISTERED
**Date:** 2019-03-14
**Record Type:** EASR
**Link Source:** MOFA
**Project Type:** Water Taking - Construction Dewatering
**Full Address:**
**Approval Type:** EASR-Water Taking - Construction Dewatering
**SWP Area Name:** Rideau Valley
**PDF URL:**
**PDF Site Location:**

**MOE District:** Ottawa
**Municipality:** OTTAWA
**Latitude:** 45.38027778
**Longitude:** -75.7725
**Geometry X:**
**Geometry Y:**

---

**25** | **1 of 1** | **ENE/198.7** | **61.2 / -1.00** | **RICHMOND RD. & CLEARLY ON** | **WWIS**

**Well ID:** 7293182
**Construction Date:**
**Use 1st:** Test Hole
**Use 2nd:** Monitoring
**Final Well Status:** Test Hole
**Water Type:**
**Casing Material:**
**Audit No:** Z258477
**Tag:** A182666
**Constructn Method:**
**Elevation (m):**
**Elevatn Reliabilty:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Clear/Cloudy:**
**Municipality:** NEPEAN TOWNSHIP
**Site Info:**

**PDF URL (Map):**

***Additional Detail(s) (Map)***

**Well Completed Date:** 06/16/2017
**Year Completed:** 2017
**Depth (m):** 11
**Latitude:** 45.3823276095436
**Longitude:** -75.7701047687443

**Flowing (Y/N):**
**Flow Rate:**
**Data Entry Status:**
**Data Src:**
**Date Received:** 08/18/2017
**Selected Flag:** TRUE
**Abandonment Rec:**
**Contractor:** 7241
**Form Version:** 7
**Owner:**
**County:** OTTAWA-CARLETON
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

***Path:***

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1006713741 | ***Elevation:*** | |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 439709.00 |
| ***Code OB Desc:*** | | ***North83:*** | 5025712.00 |
| ***Open Hole:*** | | ***Org CS:*** | UTM83 |
| ***Cluster Kind:*** | | ***UTMRC:*** | 4 |
| ***Date Completed:*** | 06/16/2017 | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Remarks:*** | | ***Location Method:*** | wwr |
| ***Loc 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:*** | 1006855151 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 06 |
| ***Most Common Material:*** | SILT |
| ***Mat2:*** | 28 |
| ***Mat2 Desc:*** | SAND |
| ***Mat3:*** | 85 |
| ***Mat3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 3.0999999046325684 |
| ***Formation End Depth:*** | 8.199999809265137 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006855149 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | 77 |
| ***Mat3 Desc:*** | LOOSE |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 0.3100000023841858 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006855152 |
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |

***Mat1:*** 06
***Most Common Material:*** SILT
***Mat2:*** 28
***Mat2 Desc:*** SAND
***Mat3:*** 66
***Mat3 Desc:*** DENSE
***Formation Top Depth:*** 8.199999809265137
***Formation End Depth:*** 11.0
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1006855150
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:***
***Mat2 Desc:***
***Mat3:*** 85
***Mat3 Desc:*** SOFT
***Formation Top Depth:*** 0.3100000023841858
***Formation End Depth:*** 3.0999999046325684
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006855162
***Layer:*** 3
***Plug From:*** 7.300000190734863
***Plug To:*** 11.0
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006855160
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006855161
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 7.300000190734863
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1006855159
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1006855148 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1006855155 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 7.900000095367432 |
| ***Casing Diameter:*** | 5.199999809265137 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1006855156 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 7.900000095367432 |
| ***Screen End Depth:*** | 11.0 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 6.03000020980835 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1006855154 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1006855153 |
| ***Diameter:*** | 20.229999542236328 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 11.0 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1006713741 | ***Tag No:*** | A182666 |
| ***Depth M:*** | 11 | ***Contractor:*** | 7241 |
| ***Year Completed:*** | 2017 | ***Latitude:*** | 45.3823276095436 |
| ***Well Completed Dt:*** | 06/16/2017 | ***Longitude:*** | -75.7701047687443 |
| ***Audit No:*** | Z258477 | ***Y:*** | 45.38232760341008 |
| ***Path:*** | 729\7293182.pdf | ***X:*** | -75.77010460699059 |

| | | | | | |
|---|---|---|---|---|---|
| 26 | ***1 of 1*** | ***ENE/198.9*** | ***60.9 / -1.31*** | ***ON*** | ***WWIS*** |

| | | | |
|---|---|---|---|
| **Well ID:** | 7293486 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | | **Data Entry Status:** | Yes |
| **Use 2nd:** | | **Data Src:** | |
| **Final Well Status:** | | **Date Received:** | 08/29/2017 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | C30073 | **Contractor:** | 1844 |
| **Tag:** | A215082 | **Form Version:** | 8 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):**

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 06/20/2017 |
| **Year Completed:** | 2017 |
| **Depth (m):** | |
| **Latitude:** | 45.3827752230546 |
| **Longitude:** | -75.7704684968349 |
| **Path:** | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006714150 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439681.00 |
| **Code OB Desc:** | | **North83:** | 5025762.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 06/20/2017 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Loc Method Desc:** | on Water Well Record | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Links***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006714150 | **Tag No:** | A215082 |
| **Depth M:** | | **Contractor:** | 1844 |
| **Year Completed:** | 2017 | **Latitude:** | 45.3827752230546 |
| **Well Completed Dt:** | 06/20/2017 | **Longitude:** | -75.7704684968349 |
| **Audit No:** | C30073 | **Y:** | 45.382775216574686 |
| **Path:** | | **X:** | -75.77046833558889 |

**27** | ***1 of 1*** | ***WNW/213.8*** | ***60.2 / -2.02*** | ***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 1508858 | **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:** | 11/21/1952 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | | **Contractor:** | 3718 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508858.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 09/03/1952 |
| **Year Completed:** | 1952 |
| **Depth (m):** | 26.5176 |
| **Latitude:** | 45.3824749395969 |
| **Longitude:** | -75.7749388600822 |
| **Path:** | 150\1508858.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10030892 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439330.70 |
| **Code OB Desc:** | | **North83:** | 5025732.00 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 09/03/1952 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | p9 |
| **Loc Method Desc:** | Original Pre1985 UTM Rel Code 9: unknown UTM | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931010785 |
| **Layer:** | 1 |
| **Color:** | 8 |
| **General Color:** | BLACK |
| **Mat1:** | 02 |
| **Most Common Material:** | TOPSOIL |
| **Mat2:** | |

***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 3.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010786
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 3.0
***Formation End Depth:*** 87.0
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 961508858
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10579462
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930054415
***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:*** 930054416
***Layer:*** 2
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 87.0
***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:*** | 991508858 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 6.0 |
| ***Final Level After Pumping:*** | 8.0 |
| ***Recommended Pump Depth:*** | |
| ***Pumping Rate:*** | 2.0 |
| ***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:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | No |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933463554 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 50.0 |
| ***Water Found Depth UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933463555 |
| ***Layer:*** | 2 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 80.0 |
| ***Water Found Depth UOM:*** | ft |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10030892 | ***Tag No:*** | |
| ***Depth M:*** | 26.5176 | ***Contractor:*** | 3718 |
| ***Year Completed:*** | 1952 | ***Latitude:*** | 45.3824749395969 |
| ***Well Completed Dt:*** | 09/03/1952 | ***Longitude:*** | -75.7749388600822 |
| ***Audit No:*** | | ***Y:*** | 45.38247493320702 |
| ***Path:*** | 150\1508858.pdf | ***X:*** | -75.77493869863507 |

**28** ***1 of 1*** ***ENE/214.2*** ***61.2 / -0.97*** ***RICHMOND ROAD Ottawa ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7344665 | ***Flowing (Y/N):*** | |
| ***Construction Date:*** | | ***Flow Rate:*** | |
| ***Use 1st:*** | Monitoring | ***Data Entry Status:*** | |
| ***Use 2nd:*** | | ***Data Src:*** | |
| ***Final Well Status:*** | Abandoned-Other | ***Date Received:*** | 10/22/2019 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |
| ***Casing Material:*** | | ***Abandonment Rec:*** | Yes |
| ***Audit No:*** | Z286426 | ***Contractor:*** | 7543 |
| ***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:** | NEPEAN TOWNSHIP | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/734\7344665.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 08/14/2019 |
| **Year Completed:** | 2019 |
| **Depth (m):** | |
| **Latitude:** | 45.3824545638421 |
| **Longitude:** | -75.7699659875837 |
| **Path:** | 734\7344665.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1007687194 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439720.00 |
| **Code OB Desc:** | | **North83:** | 5025726.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 08/14/2019 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Loc 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:** | 1008243518 |
| **Casing No:** | 0 |
| **Comment:** | |
| **Alt Name:** | |

***Results of Well Yield Testing***

| | |
|---|---|
| **Pumping Test Method Desc:** | |
| **Pump Test ID:** | 1008244310 |
| **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:*** 1008244207
***Layer:*** 1
***Kind Code:*** 8
***Kind:*** Untested
***Water Found Depth:*** 15.0
***Water Found Depth UOM:*** ft

***Hole Diameter***

***Hole ID:*** 1008244052
***Diameter:*** 8.0
***Depth From:*** 0.0
***Depth To:*** 17.0
***Hole Depth UOM:*** ft
***Hole Diameter UOM:*** Inch

***Links***

***Bore Hole ID:*** 1007687194
***Depth M:***
***Year Completed:*** 2019
***Well Completed Dt:*** 08/14/2019
***Audit No:*** Z286426
***Path:*** 734\7344665.pdf
***Tag No:***
***Contractor:*** 7543
***Latitude:*** 45.3824545638421
***Longitude:*** -75.7699659875837
***Y:*** 45.38245455708687
***X:*** -75.76996582629755

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**29** | ***1 of 1*** | ***S/218.2*** | ***65.9 / 3.73*** | ***Kiewit Eurovia Vinci Ottawa Partnership***<br>***Near 100 Byron Ave***<br>***Ottawa ON*** | ***SPL***

***Ref No:*** 0444-BYZSBJ
***Site No:*** NA
***Incident Dt:*** 2021/03/11
***Year:***
***Incident Cause:***
***Incident Event:*** Leak/Break
***Environment Impact:***
***Nature of Impact:***
***MOE Response:*** No
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 2021/03/11
***Dt Document Closed:*** 2021/04/19
***Municipality No:***
***System Facility Address:***
***Client Type:*** Corporation
***Call Report Location Geodata:***
***Contaminant Code:*** 15
***Contaminant Name:*** HYDRAULIC OIL
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:*** n/a
***Receiving Medium:***
***Receiving Environment:*** Land
***Incident Reason:*** Equipment Failure
***Incident Summary:*** KEV: 2L hydraulic oil to excavated pit with snow melt, cntd
***Site Region:*** Eastern
***Contaminant Qty:*** 2 L
***Nature of Damage:***
***Discharger Report:***
***Material Group:***
***Health/Env Conseq:*** 2 - Minor Environment
***Agency Involved:***
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:*** 5025422
***Easting:*** 439525

**Site Municipality:** Ottawa
**Activity Preceding Spill:**
**Property 2nd Watershed:**
**Property Tertiary Watershed:**
**Sector Type:** Miscellaneous Industrial
**SAC Action Class:**
**Source Type:** Valve/Fitting/Piping
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa
**Nearest Watercourse:**
**Site Name:** Site<UNOFFICIAL>
**Site Address:** Near 100 Byron Ave
**Client Name:** Kiewit Eurovia Vinci Ottawa Partnership

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**30** **1 of 1** **ENE/218.6** **60.9 / -1.31** **747 RICHMOND RD OTTAWA ON** **WWIS**

**Well ID:** 7305505
**Construction Date:**
**Use 1st:** Test Hole
**Use 2nd:** Monitoring
**Final Well Status:** Test Hole
**Water Type:**
**Casing Material:**
**Audit No:** Z277509
**Tag:** A185780
**Constructn Method:**
**Elevation (m):**
**Elevatn Reliabilty:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Clear/Cloudy:**
**Municipality:** OTTAWA CITY
**Site Info:**

**Flowing (Y/N):**
**Flow Rate:**
**Data Entry Status:**
**Data Src:**
**Date Received:** 02/13/2018
**Selected Flag:** TRUE
**Abandonment Rec:**
**Contractor:** 7241
**Form Version:** 7
**Owner:**
**County:** OTTAWA-CARLETON
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

**PDF URL (Map):**

***Additional Detail(s) (Map)***

**Well Completed Date:** 01/03/2017
**Year Completed:** 2017
**Depth (m):** 10.66
**Latitude:** 45.3826341434674
**Longitude:** -75.7700322913826
**Path:**

***Bore Hole Information***

**Bore Hole ID:** 1006985379
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 01/03/2017
**Remarks:**
**Loc Method Desc:** on Water Well Record

**Elevation:**
**Elevrc:**
**Zone:** 18
**East83:** 439715.00
**North83:** 5025746.00
**Org CS:** UTM83
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** wwr

***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007144427 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 06 |
| ***Most Common Material:*** | SILT |
| ***Mat2:*** | 05 |
| ***Mat2 Desc:*** | CLAY |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 1.2100000381469727 |
| ***Formation End Depth:*** | 8.220000267028809 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007144428 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 34 |
| ***Most Common Material:*** | TILL |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 8.220000267028809 |
| ***Formation End Depth:*** | 10.65999984741211 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1007144426 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | 28 |
| ***Mat2 Desc:*** | SAND |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 1.2100000381469727 |
| ***Formation End Depth UOM:*** | m |

***Annular Space/Abandonment Sealing Record***

| | |
|---|---|
| ***Plug ID:*** | 1007144436 |

***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007144437
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 7.309999942779541
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007144438
***Layer:*** 3
***Plug From:*** 7.309999942779541
***Plug To:*** 10.65999984741211
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1007144435
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1007144425
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1007144431
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 7.619999885559082
***Casing Diameter:*** 5.199999809265137
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1007144432
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 7.619999885559082
***Screen End Depth:*** 10.65999984741211
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 6.03000020980835

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1007144430 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1007144429 |
| ***Diameter:*** | 20.950000762939453 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 10.65999984741211 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1006985379 | ***Tag No:*** | A185780 |
| ***Depth M:*** | 10.66 | ***Contractor:*** | 7241 |
| ***Year Completed:*** | 2017 | ***Latitude:*** | 45.3826341434674 |
| ***Well Completed Dt:*** | 01/03/2017 | ***Longitude:*** | -75.7700322913826 |
| ***Audit No:*** | Z277509 | ***Y:*** | 45.38263413602877 |
| ***Path:*** | 730\7305505.pdf | ***X:*** | -75.7700321291148 |

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**31** ***1 of 1*** ***E/218.8*** ***62.9 / 0.75*** ***ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1508587 | ***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:*** | 09/10/1951 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |
| ***Casing Material:*** | | ***Abandonment Rec:*** | |
| ***Audit No:*** | | ***Contractor:*** | 3718 |
| ***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:*** | OTTAWA CITY | | |
| ***Site Info:*** | | | |

***PDF URL (Map):*** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508587.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| ***Well Completed Date:*** | 06/20/1951 |
| ***Year Completed:*** | 1951 |
| ***Depth (m):*** | 34.1376 |
| ***Latitude:*** | 45.3814302877949 |
| ***Longitude:*** | -75.7696876838802 |
| ***Path:*** | 150\1508587.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10030621 | ***Elevation:*** | |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | 439740.70 |
| ***Code OB Desc:*** | | ***North83:*** | 5025612.00 |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 06/20/1951 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | p9 |

***Loc Method Desc:*** Original Pre1985 UTM Rel Code 9: unknown UTM
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010057
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 13
***Most Common Material:*** BOULDERS
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 15.0
***Formation End Depth:*** 28.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010060
***Layer:*** 5
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 75.0
***Formation End Depth:*** 80.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010056
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05

***Most Common Material:*** CLAY
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 15.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010058
***Layer:*** 3
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 28.0
***Formation End Depth:*** 50.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010059
***Layer:*** 4
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 50.0
***Formation End Depth:*** 75.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010062
***Layer:*** 7
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 90.0
***Formation End Depth:*** 112.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010061
***Layer:*** 6
***Color:***
***General Color:***
***Mat1:*** 14
***Most Common Material:*** HARDPAN
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 80.0
***Formation End Depth:*** 90.0
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 961508587
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10579191
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930053876
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 90.0
***Casing Diameter:*** 4.0
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930053877
***Layer:*** 2
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 112.0
***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:*** 991508587
***Pump Set At:***
***Static Level:*** 30.0
***Final Level After Pumping:*** 35.0
***Recommended Pump Depth:***

| | |
|---|---|
| **Pumping Rate:** | 3.0 |
| **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:** | 2 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | No |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933463156 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 100.0 |
| **Water Found Depth UOM:** | ft |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933463157 |
| **Layer:** | 2 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 108.0 |
| **Water Found Depth UOM:** | ft |

***Links***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10030621 | **Tag No:** | |
| **Depth M:** | 34.1376 | **Contractor:** | 3718 |
| **Year Completed:** | 1951 | **Latitude:** | 45.3814302877949 |
| **Well Completed Dt:** | 06/20/1951 | **Longitude:** | -75.7696876838802 |
| **Audit No:** | | **Y:** | 45.38143028113332 |
| **Path:** | 150\1508587.pdf | **X:** | -75.76968752211359 |

**32** ***1 of 1*** ***ENE/223.1*** ***59.8 / -2.39*** ***ON*** ***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 1508762 | **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:** | 12/08/1952 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | | **Contractor:** | 4748 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

***PDF URL (Map):*** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508762.pdf

***Additional Detail(s) (Map)***

***Well Completed Date:*** 07/16/1952
***Year Completed:*** 1952
***Depth (m):*** 18.5928
***Latitude:*** 45.3827777812995
***Longitude:*** -75.7700891663503
***Path:*** 150\1508762.pdf

***Bore Hole Information***

***Bore Hole ID:*** 10030796
***DP2BR:***
***Spatial Status:***
***Code OB:***
***Code OB Desc:***
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 07/16/1952
***Remarks:***
***Loc Method Desc:*** Original Pre1985 UTM Rel Code 9: unknown UTM
***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***
***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:*** 439710.70
***North83:*** 5025762.00
***Org CS:***
***UTMRC:*** 9
***UTMRC Desc:*** unknown UTM
***Location Method:*** p9

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010528
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 27.0
***Formation End Depth:*** 61.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010527
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 02
***Mat2 Desc:*** TOPSOIL
***Mat3:*** 11
***Mat3 Desc:*** GRAVEL
***Formation Top Depth:*** 0.0

***Formation End Depth:*** 27.0
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 961508762
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10579366
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930054226
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 31.0
***Casing Diameter:*** 5.0
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930054227
***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

***Results of Well Yield Testing***

***Pumping Test Method Desc:*** PUMP
***Pump Test ID:*** 991508762
***Pump Set At:***
***Static Level:*** 15.0
***Final Level After Pumping:*** 30.0
***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:*** 15
***Flowing:*** No

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933463424 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 50.0 |
| ***Water Found Depth UOM:*** | ft |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10030796 | ***Tag No:*** | |
| ***Depth M:*** | 18.5928 | ***Contractor:*** | 4748 |
| ***Year Completed:*** | 1952 | ***Latitude:*** | 45.3827777812995 |
| ***Well Completed Dt:*** | 07/16/1952 | ***Longitude:*** | -75.7700891663503 |
| ***Audit No:*** | | ***Y:*** | 45.38277777441722 |
| ***Path:*** | 150\1508762.pdf | ***X:*** | -75.77008900411931 |

**33** ***1 of 2*** ***SE/223.1*** ***65.9 / 3.69*** ***Enbridge Gas Distribution Inc.*** ***SPL***
***2045 Honeywell Ave***
***Ottawa ON***

| | | | |
|---|---|---|---|
| ***Ref No:*** | 8773-BBQJM4 | ***Contaminant Qty:*** | 0 ft³ |
| ***Site No:*** | NA | ***Nature of Damage:*** | |
| ***Incident Dt:*** | 4/30/2019 | ***Discharger Report:*** | |
| ***Year:*** | | ***Material Group:*** | |
| ***Incident Cause:*** | | ***Health/Env Conseq:*** | 2 - Minor Environment |
| ***Incident Event:*** | Leak/Break | ***Agency Involved:*** | |
| ***Environment Impact:*** | | ***Site Lot:*** | |
| ***Nature of Impact:*** | | ***Site Conc:*** | |
| ***MOE Response:*** | No | ***Site Geo Ref Accu:*** | |
| ***Dt MOE Arvl on Scn:*** | | ***Site Map Datum:*** | |
| ***MOE Reported Dt:*** | 4/30/2019 | ***Northing:*** | 5025485.72 |
| ***Dt Document Closed:*** | 6/29/2019 | ***Easting:*** | 439697.05 |
| ***Municipality No:*** | | | |
| ***System Facility Address:*** | | | |
| ***Client Type:*** | Corporation | | |
| ***Call Report Location Geodata:*** | | | |
| ***Contaminant Code:*** | 35 | | |
| ***Contaminant Name:*** | NATURAL GAS (METHANE) | | |
| ***Contaminant Limit 1:*** | | | |
| ***Contam Limit Freq 1:*** | | | |
| ***Contaminant UN No 1:*** | 1075 | | |
| ***Receiving Medium:*** | | | |
| ***Receiving Environment:*** | Air | | |
| ***Incident Reason:*** | Operator/Human Error | | |
| ***Incident Summary:*** | TSSA FSB: made safe, Enbridge 1/2" IP plastic line strike | | |
| ***Site Region:*** | Eastern | | |
| ***Site Municipality:*** | Ottawa | | |
| ***Activity Preceding Spill:*** | | | |
| ***Property 2nd Watershed:*** | | | |
| ***Property Tertiary Watershed:*** | | | |
| ***Sector Type:*** | Miscellaneous Industrial | | |
| ***SAC Action Class:*** | Air Spills - Gases and Vapours | | |
| ***Source Type:*** | Valve/Fitting/Piping | | |
| ***Site County/District:*** | | | |
| ***Site Geo Ref Meth:*** | | | |
| ***Site District Office:*** | Ottawa | | |
| ***Nearest Watercourse:*** | | | |
| ***Site Name:*** | 2045 Honeywell Ave, Ottawa<UNOFFICIAL> | | |
| ***Site Address:*** | 2045 Honeywell Ave | | |
| ***Client Name:*** | Enbridge Gas Distribution Inc. | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 33 | 2 of 2 | SE/223.1 | 65.9 / 3.69 | ENBRIDGE GAS INC<br>2045 HONEYWELL AVE,,OTTAWA,ON,K2A 0P7, CA<br>ON | PINC |

**Incident Id:**
**Incident No:** 2569294
**Incident Reported Dt:** 4/30/2019
**Type:** FS-Pipeline Incident
**Status Code:**
**Tank Status:** Pipeline Damage Reason Est
**Task No:**
**Spills Action Centre:**
**Fuel Type:**
**Fuel Occurrence Tp:**
**Date of Occurrence:**
**Occurrence Start Dt:**
**Depth:**
**Pipe Material:**
**Fuel Category:**
**Health Impact:**
**Environment Impact:**
**Property Damage:**
**Service Interrupt:**
**Enforce Policy:**
**Public Relation:**
**Pipeline System:**
**PSIG:**
**Attribute Category:**
**Regulator Location:**
**Method Details:**
**Customer Acct Name:** ENBRIDGE GAS INC
**Incident Address:** 2045 HONEYWELL AVE,,OTTAWA,ON,K2A 0P7,CA
**Operation Type:**
**Pipeline Type:**
**Regulator Type:**
**Summary:**
**Reported By:**
**Affiliation:**
**Occurrence Desc:**
**Damage Reason:**
**Notes:**

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 34 | 1 of 1 | E/227.9 | 61.6 / -0.61 | Kiewit Eurovia Vinci<br>Intersection of Richmound Rd and Redwood Avenue<br>Ottawa ON | SPL |

**Ref No:** 0200-BY6L9R
**Site No:** NA
**Incident Dt:** 2021/02/11
**Year:**
**Incident Cause:**
**Incident Event:** Leak/Break
**Environment Impact:**
**Nature of Impact:**
**MOE Response:** No
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 2021/02/12
**Dt Document Closed:** 2021/04/11
**Municipality No:**
**System Facility Address:**
**Contaminant Qty:** 1 L
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 2 - Minor Environment
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:** 5025672.97
**Easting:** 439749.3
**Client Type:** Corporation
**Call Report Location Geodata:**
**Contaminant Code:** 15
**Contaminant Name:** HYDRAULIC OIL
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:** n/a
**Receiving Medium:**
**Receiving Environment:** Land
**Incident Reason:** Equipment Failure
**Incident Summary:** Richmound Rd and Redwood Ave - 1 L hydraulic spill to ground, cleaned up
**Site Region:** Eastern
**Site Municipality:** Ottawa

***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Property Tertiary Watershed:***
***Sector Type:*** Miscellaneous Industrial
***SAC Action Class:*** Primary Assessment of Spills
***Source Type:*** Motor Vehicle
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:*** Ottawa
***Nearest Watercourse:***
***Site Name:*** Intersection<UNOFFICIAL>
***Site Address:*** Intersection of Richmound Rd and Redwood Avenue
***Client Name:*** Kiewit Eurovia Vinci

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**35** | ***1 of 1*** | ***ENE/230.9*** | ***60.9 / -1.31*** | ***747 RICHMOND RD OTTAWA ON*** | ***WWIS***

***Well ID:*** 7305506
***Construction Date:***
***Use 1st:*** Test Hole
***Use 2nd:*** Monitoring
***Final Well Status:*** Observation Wells
***Water Type:***
***Casing Material:***
***Audit No:*** Z277501
***Tag:*** A189874
***Constructn Method:***
***Elevation (m):***
***Elevatn Reliabilty:***
***Depth to Bedrock:***
***Well Depth:***
***Overburden/Bedrock:***
***Pump Rate:***
***Static Water Level:***
***Clear/Cloudy:***
***Municipality:*** OTTAWA CITY
***Site Info:***

***Flowing (Y/N):***
***Flow Rate:***
***Data Entry Status:***
***Data Src:***
***Date Received:*** 02/13/2018
***Selected Flag:*** TRUE
***Abandonment Rec:***
***Contractor:*** 7241
***Form Version:*** 7
***Owner:***
***County:*** OTTAWA-CARLETON
***Lot:***
***Concession:***
***Concession Name:***
***Easting NAD83:***
***Northing NAD83:***
***Zone:***
***UTM Reliability:***

***PDF URL (Map):***

***Additional Detail(s) (Map)***

***Well Completed Date:*** 01/14/2018
***Year Completed:*** 2018
***Depth (m):*** 10.5156
***Latitude:*** 45.3826532637713
***Longitude:*** -75.7698664992016
***Path:***

***Bore Hole Information***

***Bore Hole ID:*** 1006985382
***DP2BR:***
***Spatial Status:***
***Code OB:***
***Code OB Desc:***
***Open Hole:***
***Cluster Kind:***
***Date Completed:*** 01/14/2018
***Remarks:***
***Loc Method Desc:*** on Water Well Record
***Elevrc Desc:***

***Elevation:***
***Elevrc:***
***Zone:*** 18
***East83:*** 439728.00
***North83:*** 5025748.00
***Org CS:*** UTM83
***UTMRC:*** 4
***UTMRC Desc:*** margin of error : 30 m - 100 m
***Location Method:*** wwr

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1007144453
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 34
***Most Common Material:*** TILL
***Mat2:***
***Mat2 Desc:***
***Mat3:*** 73
***Mat3 Desc:*** HARD
***Formation Top Depth:*** 26.0
***Formation End Depth:*** 34.5
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1007144451
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Mat2 Desc:***
***Mat3:*** 73
***Mat3 Desc:*** HARD
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 1.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1007144452
***Layer:*** 2
***Color:*** 8
***General Color:*** BLACK
***Mat1:*** 21
***Most Common Material:*** GRANITE
***Mat2:***
***Mat2 Desc:***
***Mat3:*** 73
***Mat3 Desc:*** HARD
***Formation Top Depth:*** 1.0
***Formation End Depth:*** 26.0
***Formation End Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007144463
***Layer:*** 2

***Plug From:*** 1.0
***Plug To:*** 18.0
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007144465
***Layer:*** 4
***Plug From:*** 23.5
***Plug To:*** 34.5
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007144462
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 1.0
***Plug Depth UOM:*** ft

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007144464
***Layer:*** 3
***Plug From:*** 18.0
***Plug To:*** 23.5
***Plug Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 1007144461
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1007144450
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1007144457
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 24.5
***Casing Diameter:*** 1.3799999952316284
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Screen***

| | |
|---|---|
| **Screen ID:** | 1007144458 |
| **Layer:** | 1 |
| **Slot:** | 10 |
| **Screen Top Depth:** | 24.5 |
| **Screen End Depth:** | 34.5 |
| **Screen Material:** | 5 |
| **Screen Depth UOM:** | ft |
| **Screen Diameter UOM:** | inch |
| **Screen Diameter:** | 1.659999966621399 |

***Water Details***

| | |
|---|---|
| **Water ID:** | 1007144456 |
| **Layer:** | |
| **Kind Code:** | |
| **Kind:** | |
| **Water Found Depth:** | |
| **Water Found Depth UOM:** | ft |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1007144455 |
| **Diameter:** | 2.375 |
| **Depth From:** | 28.0 |
| **Depth To:** | 34.5 |
| **Hole Depth UOM:** | ft |
| **Hole Diameter UOM:** | inch |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1007144454 |
| **Diameter:** | 3.5 |
| **Depth From:** | 0.0 |
| **Depth To:** | 28.0 |
| **Hole Depth UOM:** | ft |
| **Hole Diameter UOM:** | inch |

***Links***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006985382 | **Tag No:** | A189874 |
| **Depth M:** | 10.5156 | **Contractor:** | 7241 |
| **Year Completed:** | 2018 | **Latitude:** | 45.3826532637713 |
| **Well Completed Dt:** | 01/14/2018 | **Longitude:** | -75.7698664992016 |
| **Audit No:** | Z277501 | **Y:** | 45.382653257542174 |
| **Path:** | 730\7305506.pdf | **X:** | -75.76986633699758 |

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**36** ***1 of 1*** ***ENE/231.4*** ***60.9 / -1.31*** ***747 RICHMOND RD OTTAWA ON*** ***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 7305504 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | Monitoring | **Data Src:** | |
| **Final Well Status:** | Test Hole | **Date Received:** | 02/13/2018 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z277510 | **Contractor:** | 7241 |
| **Tag:** | A185781 | **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):**

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 01/03/2017 |
| **Year Completed:** | 2017 |
| **Depth (m):** | 10.66 |
| **Latitude:** | 45.3826443493529 |
| **Longitude:** | -75.7698536049952 |
| **Path:** | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006985376 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439729.00 |
| **Code OB Desc:** | | **North83:** | 5025747.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 01/03/2017 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Loc 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:** | 1007143746 |
| **Layer:** | 2 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 06 |
| **Most Common Material:** | SILT |
| **Mat2:** | 05 |
| **Mat2 Desc:** | CLAY |
| **Mat3:** | |
| **Mat3 Desc:** | |
| **Formation Top Depth:** | 1.2100000381469727 |
| **Formation End Depth:** | 8.220000267028809 |
| **Formation End Depth UOM:** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1007143745 |
| **Layer:** | 1 |
| **Color:** | 6 |
| **General Color:** | BROWN |

***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:*** 28
***Mat2 Desc:*** SAND
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 1.2100000381469727
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1007143747
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 34
***Most Common Material:*** TILL
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 8.220000267028809
***Formation End Depth:*** 10.65999984741211
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007143756
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 7.309999942779541
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007143755
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1007143757
***Layer:*** 3
***Plug From:*** 7.309999942779541
***Plug To:*** 10.65999984741211
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1007143754
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1007143744 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1007143750 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 7.619999885559082 |
| ***Casing Diameter:*** | 5.199999809265137 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1007143751 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 7.619999885559082 |
| ***Screen End Depth:*** | 10.65999984741211 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 6.03000020980835 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1007143749 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1007143748 |
| ***Diameter:*** | 20.950000762939453 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 10.65999984741211 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1006985376 | ***Tag No:*** | A185781 |
| ***Depth M:*** | 10.66 | ***Contractor:*** | 7241 |
| ***Year Completed:*** | 2017 | ***Latitude:*** | 45.3826443493529 |
| ***Well Completed Dt:*** | 01/03/2017 | ***Longitude:*** | -75.7698536049952 |
| ***Audit No:*** | Z277510 | ***Y:*** | 45.382644342242386 |
| ***Path:*** | 730\7305504.pdf | ***X:*** | -75.76985344348334 |

| | | | | | |
|---|---|---|---|---|---|
| 37 | ***1 of 1*** | ***ENE/237.2*** | ***60.9 / -1.31*** | ***RICHMOND ROAD & CLEARY ON*** | ***WWIS*** |

| | | | |
|---|---|---|---|
| **Well ID:** | 7293198 | **Flowing (Y/N):** | |
| **Construction Date:** | | **Flow Rate:** | |
| **Use 1st:** | Test Hole | **Data Entry Status:** | |
| **Use 2nd:** | Monitoring | **Data Src:** | |
| **Final Well Status:** | Monitoring and Test Hole | **Date Received:** | 08/18/2017 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | Z258480 | **Contractor:** | 7241 |
| **Tag:** | A182669 | **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:** | NEPEAN TOWNSHIP | | |
| **Site Info:** | | | |

**PDF URL (Map):**

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 06/29/2017 |
| **Year Completed:** | 2017 |
| **Depth (m):** | 10.7 |
| **Latitude:** | 45.3826001215519 |
| **Longitude:** | -75.7697380458965 |
| **Path:** | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1006713618 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439738.00 |
| **Code OB Desc:** | | **North83:** | 5025742.00 |
| **Open Hole:** | | **Org CS:** | UTM83 |
| **Cluster Kind:** | | **UTMRC:** | 4 |
| **Date Completed:** | 06/29/2017 | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Remarks:** | | **Location Method:** | wwr |
| **Loc 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:** | 1006827414 |
| **Layer:** | 3 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 06 |
| **Most Common Material:** | SILT |
| **Mat2:** | 28 |
| **Mat2 Desc:** | SAND |

***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 3.0999999046325684
***Formation End Depth:*** 4.570000171661377
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1006827415
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 11
***Mat2 Desc:*** GRAVEL
***Mat3:*** 84
***Mat3 Desc:*** SILTY
***Formation Top Depth:*** 4.570000171661377
***Formation End Depth:*** 10.699999809265137
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1006827412
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:*** 28
***Mat2 Desc:*** SAND
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 0.6100000143051147
***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1006827413
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 11
***Mat2 Desc:*** GRAVEL
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 0.6100000143051147
***Formation End Depth:*** 3.0999999046325684
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006827424
***Layer:*** 2

***Plug From:*** 0.3100000023841858
***Plug To:*** 7.0
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006827425
***Layer:*** 3
***Plug From:*** 7.0
***Plug To:*** 10.699999809265137
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006827423
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1006827422
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1006827411
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 1006827418
***Layer:*** 1
***Material:*** 5
***Open Hole or Material:*** PLASTIC
***Depth From:*** 0.0
***Depth To:*** 7.619999885559082
***Casing Diameter:*** 5.199999809265137
***Casing Diameter UOM:*** cm
***Casing Depth UOM:*** m

***Construction Record - Screen***

***Screen ID:*** 1006827419
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 2.619999885559082
***Screen End Depth:*** 10.699999809265137
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 6.03000020980835

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

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1006827417 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1006827416 |
| ***Diameter:*** | 20.229999542236328 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 10.699999809265137 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1006713618 | ***Tag No:*** | A182669 |
| ***Depth M:*** | 10.7 | ***Contractor:*** | 7241 |
| ***Year Completed:*** | 2017 | ***Latitude:*** | 45.3826001215519 |
| ***Well Completed Dt:*** | 06/29/2017 | ***Longitude:*** | -75.7697380458965 |
| ***Audit No:*** | Z258480 | ***Y:*** | 45.38260011526592 |
| ***Path:*** | 729\7293198.pdf | ***X:*** | -75.76973788424723 |

---

38 ***1 of 4*** ***ENE/239.7*** ***59.8 / -2.39*** ***Signs in 23 Hours, Inc.*** ***747 Richmond Rd Unit B*** ***Ottawa ON K2A 0G6*** ***SCT***

| | |
|---|---|
| ***Established:*** | 1990 |
| ***Plant Size (ft²):*** | |
| ***Employment:*** | |

***--Details--***

| | |
|---|---|
| ***Description:*** | Sign Manufacturing |
| ***SIC/NAICS Code:*** | 339950 |

---

38 ***2 of 4*** ***ENE/239.7*** ***59.8 / -2.39*** ***Morrison Hershfield Limited*** ***747 Richmond Road*** ***Ottawa ON K2A 1R8*** ***GEN***

| | |
|---|---|
| ***Generator No:*** | ON9207424 |
| ***SIC Code:*** | |
| ***SIC Description:*** | |
| ***Approval Years:*** | As of Dec 2018 |
| ***PO Box No:*** | |
| ***Country:*** | Canada |
| ***Status:*** | Registered |
| ***Co Admin:*** | |
| ***Choice of Contact:*** | |
| ***Phone No Admin:*** | |
| ***Contaminated Facility:*** | |
| ***MHSW Facility:*** | |

***Detail(s)***

| | |
|---|---|
| ***Waste Class:*** | 221 L |

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

**Waste Class Name:** Light fuels

---

**38** **3 of 4** **ENE/239.7** **59.8 / -2.39** **Peter Kiewit Sons ULC, Eurovia Quebec Grands Projets Inc., Janin Atlas Inc., and Dodin Quebec Inc. 747 Richmond Rd Ottawa ON K1H 1E1** **ECA**

**Approval No:** 9166-BQPRHZ
**Approval Date:** 2020-06-23
**Status:** Approved
**Record Type:** ECA
**Link Source:** IDS
**SWP Area Name:**
**Approval Type:** ECA-INDUSTRIAL SEWAGE WORKS
**Project Type:** INDUSTRIAL SEWAGE WORKS
**Business Name:** Peter Kiewit Sons ULC, Eurovia Quebec Grands Projets Inc., Janin Atlas Inc., and Dodin Quebec Inc.
**Address:** 747 Richmond Rd
**Full Address:**
**Full PDF Link:** https://www.accessenvironment.ene.gov.on.ca/instruments/5850-BMJQD2-14.pdf
**PDF Site Location:**

**MOE District:**
**City:**
**Longitude:**
**Latitude:**
**Geometry X:**
**Geometry Y:**

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**38** **4 of 4** **ENE/239.7** **59.8 / -2.39** **Kiewit Eurovia Vinci near Sir John A MacDonald Parkway Cleary Avenue (nearest civic: 747 Richmond Rd, ) Ottawa ON** **SPL**

**Ref No:** 6431-BVXQZ3
**Site No:** NA
**Incident Dt:** 12/3/2020
**Year:**
**Incident Cause:**
**Incident Event:** Leak/Break
**Environment Impact:**
**Nature of Impact:**
**MOE Response:** No
**Dt MOE Arvl on Scn:**
**MOE Reported Dt:** 12/3/2020
**Dt Document Closed:** 2/1/2021
**Municipality No:**
**System Facility Address:**
**Client Type:** Corporation
**Call Report Location Geodata:**
**Contaminant Code:** 36
**Contaminant Name:** PROPANE
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:** 1978
**Receiving Medium:**
**Receiving Environment:** Air
**Incident Reason:** Equipment Failure
**Incident Summary:** KEV: max 50 lbs propane to atm from tank
**Site Region:** Eastern
**Site Municipality:** Ottawa
**Activity Preceding Spill:**
**Property 2nd Watershed:**
**Property Tertiary Watershed:**
**Sector Type:** Miscellaneous Industrial
**SAC Action Class:**
**Source Type:** Valve/Fitting/Piping
**Site County/District:**
**Site Geo Ref Meth:**
**Site District Office:** Ottawa
**Nearest Watercourse:**

**Contaminant Qty:** 22.68 kg
**Nature of Damage:**
**Discharger Report:**
**Material Group:**
**Health/Env Conseq:** 2 - Minor Environment
**Agency Involved:**
**Site Lot:**
**Site Conc:**
**Site Geo Ref Accu:**
**Site Map Datum:**
**Northing:** 5025770
**Easting:** 439647

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

**Site Name:** Site<UNOFFICIAL>
**Site Address:** near Sir John A MacDonald Parkway Cleary Avenue (nearest civic: 747 Richmond Rd,)
**Client Name:** Kiewit Eurovia Vinci

---

39 | 1 of 1 | ENE/241.6 | 60.9 / -1.31 | RICHMOND ROAD & CLEARY Ottawa ON | WWIS

**Well ID:** 7293199
**Construction Date:**
**Use 1st:** Test Hole
**Use 2nd:** Monitoring
**Final Well Status:** Monitoring and Test Hole
**Water Type:**
**Casing Material:**
**Audit No:** Z258478
**Tag:** A182667
**Constructn Method:**
**Elevation (m):**
**Elevatn Reliabilty:**
**Depth to Bedrock:**
**Well Depth:**
**Overburden/Bedrock:**
**Pump Rate:**
**Static Water Level:**
**Clear/Cloudy:**
**Municipality:** NEPEAN TOWNSHIP
**Site Info:**

**Flowing (Y/N):**
**Flow Rate:**
**Data Entry Status:**
**Data Src:**
**Date Received:** 08/18/2017
**Selected Flag:** TRUE
**Abandonment Rec:**
**Contractor:** 7241
**Form Version:** 7
**Owner:**
**County:** OTTAWA-CARLETON
**Lot:**
**Concession:**
**Concession Name:**
**Easting NAD83:**
**Northing NAD83:**
**Zone:**
**UTM Reliability:**

**PDF URL (Map):**

***Additional Detail(s) (Map)***

**Well Completed Date:** 06/27/2017
**Year Completed:** 2017
**Depth (m):** 12.1
**Latitude:** 45.3826722116894
**Longitude:** -75.7697262510025
**Path:**

***Bore Hole Information***

**Bore Hole ID:** 1006713621
**DP2BR:**
**Spatial Status:**
**Code OB:**
**Code OB Desc:**
**Open Hole:**
**Cluster Kind:**
**Date Completed:** 06/27/2017
**Remarks:**
**Loc 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:** 439739.00
**North83:** 5025750.00
**Org CS:** UTM83
**UTMRC:** 4
**UTMRC Desc:** margin of error : 30 m - 100 m
**Location Method:** wwr

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006827466 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | 85 |
| ***Mat3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 1.5 |
| ***Formation End Depth:*** | 7.619999885559082 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006827464 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | 77 |
| ***Mat3 Desc:*** | LOOSE |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 0.3100000023841858 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006827465 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 06 |
| ***Mat2 Desc:*** | SILT |
| ***Mat3:*** | 85 |
| ***Mat3 Desc:*** | SOFT |
| ***Formation Top Depth:*** | 0.3100000023841858 |
| ***Formation End Depth:*** | 1.5 |
| ***Formation End Depth UOM:*** | m |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1006827467 |
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | 66 |
| ***Mat3 Desc:*** | DENSE |
| ***Formation Top Depth:*** | 7.619999885559082 |
| ***Formation End Depth:*** | 10.600000381469727 |

***Formation End Depth UOM:*** m

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1006827468
***Layer:*** 5
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 10
***Most Common Material:*** COARSE SAND
***Mat2:***
***Mat2 Desc:***
***Mat3:*** 73
***Mat3 Desc:*** HARD
***Formation Top Depth:*** 10.600000381469727
***Formation End Depth:*** 12.100000381469727
***Formation End Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006827477
***Layer:*** 2
***Plug From:*** 0.3100000023841858
***Plug To:*** 8.5
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006827476
***Layer:*** 1
***Plug From:*** 0.0
***Plug To:*** 0.3100000023841858
***Plug Depth UOM:*** m

***Annular Space/Abandonment Sealing Record***

***Plug ID:*** 1006827478
***Layer:*** 3
***Plug From:*** 8.5
***Plug To:*** 12.100000381469727
***Plug Depth UOM:*** m

***Method of Construction & Well Use***

***Method Construction ID:*** 1006827475
***Method Construction Code:*** 2
***Method Construction:*** Rotary (Convent.)
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 1006827463
***Casing No:*** 0
***Comment:***
***Alt Name:***

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1006827471 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 9.100000381469727 |
| ***Casing Diameter:*** | 5.199999809265137 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1006827472 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 9.100000381469727 |
| ***Screen End Depth:*** | 12.100000381469727 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 6.03000020980835 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1006827470 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1006827469 |
| ***Diameter:*** | 20.229999542236328 |
| ***Depth From:*** | 0.0 |
| ***Depth To:*** | 12.100000381469727 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1006713621 | ***Tag No:*** | A182667 |
| ***Depth M:*** | 12.1 | ***Contractor:*** | 7241 |
| ***Year Completed:*** | 2017 | ***Latitude:*** | 45.3826722116894 |
| ***Well Completed Dt:*** | 06/27/2017 | ***Longitude:*** | -75.7697262510025 |
| ***Audit No:*** | Z258478 | ***Y:*** | 45.38267220553946 |
| ***Path:*** | 729\7293199.pdf | ***X:*** | -75.76972608936534 |

**40** ***1 of 1*** ***NNE/241.7*** ***52.9 / -9.31*** ***ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1507811 | ***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:*** | 03/01/1954 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |
| ***Casing Material:*** | | ***Abandonment Rec:*** | |

| | | | |
|---|---|---|---|
| **Audit No:** | | **Contractor:** | 4825 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1507811.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 11/09/1953 |
| **Year Completed:** | 1953 |
| **Depth (m):** | 28.956 |
| **Latitude:** | 45.383731440119 |
| **Longitude:** | -75.771494421171 |
| **Path:** | 150\1507811.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10029846 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439601.70 |
| **Code OB Desc:** | | **North83:** | 5025869.00 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 5 |
| **Date Completed:** | 11/09/1953 | **UTMRC Desc:** | margin of error : 100 m - 300 m |
| **Remarks:** | | **Location Method:** | gis |
| **Loc Method Desc:** | from gis | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931008089 |
| **Layer:** | 3 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 15 |
| **Most Common Material:** | LIMESTONE |
| **Mat2:** | |
| **Mat2 Desc:** | |
| **Mat3:** | |
| **Mat3 Desc:** | |
| **Formation Top Depth:** | 38.0 |
| **Formation End Depth:** | 95.0 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock***

***Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931008088 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 10.0 |
| ***Formation End Depth:*** | 38.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931008087 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 10.0 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 961507811 |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10578416 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930052355 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 38.0 |
| ***Casing Diameter:*** | 6.0 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930052357 |
| ***Layer:*** | 3 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 95.0 |
| ***Casing Diameter:*** | 5.0 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930052356 |
| ***Layer:*** | 2 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 43.0 |
| ***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:*** | 991507811 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 14.0 |
| ***Final Level After Pumping:*** | 16.0 |
| ***Recommended Pump Depth:*** | |
| ***Pumping Rate:*** | 7.0 |
| ***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:*** | 25 |
| ***Flowing:*** | No |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933462073 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 85.0 |
| ***Water Found Depth UOM:*** | ft |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10029846 | ***Tag No:*** | |
| ***Depth M:*** | 28.956 | ***Contractor:*** | 4825 |
| ***Year Completed:*** | 1953 | ***Latitude:*** | 45.383731440119 |
| ***Well Completed Dt:*** | 11/09/1953 | ***Longitude:*** | -75.771494421171 |
| ***Audit No:*** | | ***Y:*** | 45.38373143312222 |
| ***Path:*** | 150\1507811.pdf | ***X:*** | -75.77149425883283 |

| | | | | |
|---|---|---|---|---|
| 41 | ***1 of 1*** | ***NNE/244.4*** | ***52.9 / -9.31*** | ***BORE*** |

| | | | |
|---|---|---|---|
| **Borehole ID:** | 611047 | **Inclin FLG:** | No |
| **OGF ID:** | 215512546 | **SP Status:** | Initial Entry |
| **Status:** | | **Surv Elev:** | No |
| **Type:** | Borehole | **Piezometer:** | No |
| **Use:** | | **Primary Name:** | |
| **Completion Date:** | NOV-1953 | **Municipality:** | |
| **Static Water Level:** | | **Lot:** | |
| **Primary Water Use:** | | **Township:** | |
| **Sec. Water Use:** | | **Latitude DD:** | 45.38376 |
| **Total Depth m:** | 29 | **Longitude DD:** | -75.771508 |
| **Depth Ref:** | Ground Surface | **UTM Zone:** | 18 |
| **Depth Elev:** | | **Easting:** | 439601 |
| **Drill Method:** | | **Northing:** | 5025872 |
| **Orig Ground Elev m:** | 57.9 | **Location Accuracy:** | |
| **Elev Reliabil Note:** | | **Accuracy:** | Not Applicable |
| **DEM Ground Elev m:** | 55.5 | | |
| **Concession:** | | | |
| **Location D:** | | | |
| **Survey D:** | | | |
| **Comments:** | | | |

***Borehole Geology Stratum***

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218387333 | **Mat Consistency:** | |
| **Top Depth:** | 3 | **Material Moisture:** | |
| **Bottom Depth:** | 11.6 | **Material Texture:** | |
| **Material Color:** | | **Non Geo Mat Type:** | |
| **Material 1:** | Gravel | **Geologic Formation:** | |
| **Material 2:** | | **Geologic Group:** | |
| **Material 3:** | | **Geologic Period:** | |
| **Material 4:** | | **Depositional Gen:** | |
| **Gsc Material Description:** | | | |
| **Stratum Description:** | GRAVEL. | | |

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218387334 | **Mat Consistency:** | Dense |
| **Top Depth:** | 11.6 | **Material Moisture:** | |
| **Bottom Depth:** | 29 | **Material Texture:** | Fine |
| **Material Color:** | Grey | **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. 00085AVEL. VERY DENSE. BEDROCK,SANDSTONEFINE,SCHIST. GREY. 00010033FIED,TILL. | | |

| | | | |
|---|---|---|---|
| **Geology Stratum ID:** | 218387332 | **Mat Consistency:** | |
| **Top Depth:** | 0 | **Material Moisture:** | |
| **Bottom Depth:** | 3 | **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. | | |

***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: 03555 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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**42** ***1 of 2*** ***E/249.0*** ***61.9 / -0.25*** ***ON*** ***WWIS***

| | | | |
|---|---|---|---|
| **Well ID:** | 1508585 | **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:** | 05/08/1950 |
| **Water Type:** | | **Selected Flag:** | TRUE |
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | | **Contractor:** | 3566 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508585.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 01/21/1950 |
| **Year Completed:** | 1950 |
| **Depth (m):** | 24.0792 |
| **Latitude:** | 45.381972899808 |
| **Longitude:** | -75.769311855111 |
| **Path:** | 150\1508585.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10030619 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439770.70 |
| **Code OB Desc:** | | **North83:** | 5025672.00 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 01/21/1950 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | p9 |
| **Loc Method Desc:** | Original Pre1985 UTM Rel Code 9: unknown UTM | | |

***Elevrc Desc:***
***Location Source Date:***
***Improvement Location Source:***
***Improvement Location Method:***
***Source Revision Comment:***
***Supplier Comment:***

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010051
***Layer:*** 1
***Color:***
***General Color:***
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 09
***Mat2 Desc:*** MEDIUM SAND
***Mat3:*** 12
***Mat3 Desc:*** STONES
***Formation Top Depth:*** 0.0
***Formation End Depth:*** 77.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931010052
***Layer:*** 2
***Color:***
***General Color:***
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 77.0
***Formation End Depth:*** 79.0
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 961508585
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10579189
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930053872
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL

| | |
|---|---|
| ***Depth From:*** | |
| ***Depth To:*** | 79.0 |
| ***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:*** | 991508585 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 42.0 |
| ***Final Level After Pumping:*** | 64.0 |
| ***Recommended Pump Depth:*** | |
| ***Pumping Rate:*** | 8.0 |
| ***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:*** | 1 |
| ***Pumping Duration MIN:*** | 0 |
| ***Flowing:*** | No |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933463152 |
| ***Layer:*** | 1 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 65.0 |
| ***Water Found Depth UOM:*** | ft |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 933463153 |
| ***Layer:*** | 2 |
| ***Kind Code:*** | 1 |
| ***Kind:*** | FRESH |
| ***Water Found Depth:*** | 79.0 |
| ***Water Found Depth UOM:*** | ft |

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10030619 | ***Tag No:*** | |
| ***Depth M:*** | 24.0792 | ***Contractor:*** | 3566 |
| ***Year Completed:*** | 1950 | ***Latitude:*** | 45.381972899808 |
| ***Well Completed Dt:*** | 01/21/1950 | ***Longitude:*** | -75.769311855111 |
| ***Audit No:*** | | ***Y:*** | 45.38197289311231 |
| ***Path:*** | 150\1508585.pdf | ***X:*** | -75.76931169312826 |

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**42** ***2 of 2*** ***E/249.0*** ***61.9 / -0.25*** ***ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1508586 | ***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:*** | 05/08/1950 |
| ***Water Type:*** | | ***Selected Flag:*** | TRUE |

| | | | |
|---|---|---|---|
| **Casing Material:** | | **Abandonment Rec:** | |
| **Audit No:** | | **Contractor:** | 3566 |
| **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:** | OTTAWA CITY | | |
| **Site Info:** | | | |

**PDF URL (Map):** https://d2khazk8e83rdv.cloudfront.net/moe_mapping/downloads/2Water/Wells_pdfs/150\1508586.pdf

***Additional Detail(s) (Map)***

| | |
|---|---|
| **Well Completed Date:** | 04/27/1950 |
| **Year Completed:** | 1950 |
| **Depth (m):** | 55.1688 |
| **Latitude:** | 45.381972899808 |
| **Longitude:** | -75.769311855111 |
| **Path:** | 150\1508586.pdf |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 10030620 | **Elevation:** | |
| **DP2BR:** | | **Elevrc:** | |
| **Spatial Status:** | | **Zone:** | 18 |
| **Code OB:** | | **East83:** | 439770.70 |
| **Code OB Desc:** | | **North83:** | 5025672.00 |
| **Open Hole:** | | **Org CS:** | |
| **Cluster Kind:** | | **UTMRC:** | 9 |
| **Date Completed:** | 04/27/1950 | **UTMRC Desc:** | unknown UTM |
| **Remarks:** | | **Location Method:** | p9 |
| **Loc Method Desc:** | Original Pre1985 UTM Rel Code 9: unknown UTM | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 931010053 |
| **Layer:** | 1 |
| **Color:** | |
| **General Color:** | |
| **Mat1:** | 13 |
| **Most Common Material:** | BOULDERS |
| **Mat2:** | 09 |
| **Mat2 Desc:** | MEDIUM SAND |
| **Mat3:** | |
| **Mat3 Desc:** | |
| **Formation Top Depth:** | 0.0 |
| **Formation End Depth:** | 40.0 |
| **Formation End Depth UOM:** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931010055 |
| ***Layer:*** | 3 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 26 |
| ***Most Common Material:*** | ROCK |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 81.0 |
| ***Formation End Depth:*** | 181.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931010054 |
| ***Layer:*** | 2 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 14 |
| ***Most Common Material:*** | HARDPAN |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 40.0 |
| ***Formation End Depth:*** | 81.0 |
| ***Formation End Depth UOM:*** | ft |

***Method of Construction & Well Use***

| | |
|---|---|
| ***Method Construction ID:*** | 961508586 |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10579190 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930053874 |
| ***Layer:*** | 2 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 98.0 |
| ***Casing Diameter:*** | 4.0 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Construction Record - Casing***

***Casing ID:*** 930053873
***Layer:*** 1
***Material:*** 1
***Open Hole or Material:*** STEEL
***Depth From:***
***Depth To:*** 78.0
***Casing Diameter:*** 5.0
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Construction Record - Casing***

***Casing ID:*** 930053875
***Layer:*** 3
***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 181.0
***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:*** 991508586
***Pump Set At:***
***Static Level:*** 48.0
***Final Level After Pumping:*** 78.0
***Recommended Pump Depth:***
***Pumping Rate:*** 5.0
***Flowing Rate:***
***Recommended Pump Rate:***
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:*** 2
***Water State After Test:*** CLOUDY
***Pumping Test Method:*** 1
***Pumping Duration HR:*** 0
***Pumping Duration MIN:*** 30
***Flowing:*** No

***Water Details***

***Water ID:*** 933463154
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 70.0
***Water Found Depth UOM:*** ft

***Water Details***

***Water ID:*** 933463155
***Layer:*** 2
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 181.0
***Water Found Depth UOM:*** ft

***Links***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10030620 | ***Tag No:*** | |
| ***Depth M:*** | 55.1688 | ***Contractor:*** | 3566 |
| ***Year Completed:*** | 1950 | ***Latitude:*** | 45.381972899808 |
| ***Well Completed Dt:*** | 04/27/1950 | ***Longitude:*** | -75.769311855111 |
| ***Audit No:*** | | ***Y:*** | 45.38197289311231 |
| ***Path:*** | 150\1508586.pdf | ***X:*** | -75.76931169312826 |

# Unplottable Summary

**Total: 23 Unplottable sites**

| DB | Company Name/Site Name | Address | City | Postal |
|---|---|---|---|---|
| CA | CITY | BYRON AVE. | OTTAWA ON | |
| CA | Bourke Family Development Inc. | Byron Ave Reginstered Plan No. 204 | Ottawa ON | |
| CA | City of Ottawa | Richmond Road | Ottawa ON | |
| CA | | Richmond Pumping Station Forcemain | Ottawa ON | |
| CA | | Parts of lots 23, 24, and 25, Concession 1 | Ottawa ON | |
| CA | | Lot 25 & 26, Concession 1 | Ottawa ON | |
| CA | | Lot 25 & 26, Concession 1 | Ottawa ON | |
| CA | | Richmond Road | Ottawa ON | |
| CA | OTTAWA CITY | RICHMOND ROAD | OTTAWA CITY ON | |
| CA | OTTAWA CITY | BYRON AVENUE | OTTAWA CITY ON | |
| CA | NON PROFIT HOUSING CORPORATION | PRIVATE (ON SITE) RICHMOND ST. | OTTAWA CITY ON | |
| CA | City of Ottawa | Richmond Road | Ottawa ON | |
| CA | OTTAWA CITY | RICHMOND ROAD | OTTAWA CITY ON | |
| CA | City of Ottawa | Richmond Road | Ottawa ON | |
| CA | NON-PROFIT HOUSING CORPORATION | RICHMOND RD.NON-PROFIT HOUSING | OTTAWA CITY ON | |
| GEN | Kiewit Eurovia Vinci | Cleary Station Richmond Road | Ottawa ON | K2A 0G6 |
| GEN | Kiewit Eurovia Vinci | Cleary Station Richmond Road | Ottawa ON | K2A 0G6 |
| RSC | | Pt. Lots 25, 26, 27, Conc 1, Ottawa Front, Former CPR R/W, (Near Richmond R.), | Ottawa ON | |

| | | | |
|---|---|---|---|
| SPL | | Richmond | Ottawa ON |
| SPL | Hydro-Ottawa | Richmond | Ottawa ON |
| SPL | Kiewit Eurovia Vinci | Cleary St and Sr John a Macdonald Parkway | Ottawa ON |
| SPL | TEXACO | RICHMOND RD. SERVICE STATION | OTTAWA CITY ON |
| WWIS | | lot 27 | ON |

# Unplottable Report

**Site:** ***CITY***
***BYRON AVE. OTTAWA ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 3-0302-85-006 |
| ***Application Year:*** | 85 |
| ***Issue Date:*** | 4/22/85 |
| ***Approval Type:*** | Municipal sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name:*** | |
| ***Client Address:*** | |
| ***Client City:*** | |
| ***Client Postal Code:*** | |
| ***Project Description:*** | |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

**Site:** ***Bourke Family Development Inc.***
***Byron Ave Reginstered Plan No. 204 Ottawa ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 3911-7BKMY9 |
| ***Application Year:*** | 2008 |
| ***Issue Date:*** | 2/7/2008 |
| ***Approval Type:*** | Municipal and Private Sewage Works |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name:*** | |
| ***Client Address:*** | |
| ***Client City:*** | |
| ***Client Postal Code:*** | |
| ***Project Description:*** | |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

**Site:** ***City of Ottawa***
***Richmond Road Ottawa ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 6859-5X8K46 |
| ***Application Year:*** | 2004 |
| ***Issue Date:*** | 3/23/2004 |
| ***Approval Type:*** | Municipal and Private Sewage Works |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name:*** | |
| ***Client Address:*** | |
| ***Client City:*** | |
| ***Client Postal Code:*** | |
| ***Project Description:*** | |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

**Site:**
***Richmond Pumping Station Forcemain Ottawa ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 3-0843-83-006 |
| ***Application Year:*** | 01 |

***Issue Date:*** 8/24/01
***Approval Type:*** Municipal & Private sewage
***Status:*** Approved
***Application Type:*** Notice
***Client Name:*** Corporation of the City of Ottawa
***Client Address:*** 110 Laurier Avenue West, Fourth Floor
***Client City:*** Ottawa
***Client Postal Code:*** K2P 2L7
***Project Description:*** This application is for upgrades to the sanitary forcemain for the Richmond Pumping Station as follows: 1) Construction of an extension of the 200 mm forcemain from the pumping station to the lagoons in accordance with Certificate of Approval 3-0843-83-006. 2) Construction of a 300 mm forcemain off of the existing 500 mm forcemain for by-pass to lagoon cell C during periods of forcemain shutdown. 3) Construction of second 500 mm diameter forcemain under the Jock River.
***Contaminants:***
***Emission Control:***

---

***Site:*** ***Database:*** ***CA***
***Parts of lots 23, 24, and 25, Concession 1 Ottawa ON***

***Certificate #:*** 3338-4QES6W
***Application Year:*** 00
***Issue Date:*** 10/25/00
***Approval Type:*** Municipal & Private water
***Status:*** Approved
***Application Type:*** New Certificate of Approval
***Client Name:*** Claridge Homes (Rockcliffe Mews) Inc.
***Client Address:*** 2001-210 Gladstone Ave.
***Client City:*** Ottawa
***Client Postal Code:*** K2P 0Y6
***Project Description:*** watermains construction on Merganser Circle, Den Haag Drive, the Easement on block 101, and Streets 3 and 4
***Contaminants:***
***Emission Control:***

---

***Site:*** ***Database:*** ***CA***
***Lot 25 & 26, Concession 1 Ottawa ON***

***Certificate #:*** 3510-4QHTRG
***Application Year:*** 00
***Issue Date:*** 10/30/00
***Approval Type:*** Municipal & Private water
***Status:*** Approved
***Application Type:*** New Certificate of Approval
***Client Name:*** 1270449 Ontario Inc.
***Client Address:*** 1187 Bank Street
***Client City:*** Ottawa
***Client Postal Code:*** K1S 3X7
***Project Description:*** watermain construction on pooler ave, orvigale road, porter st.
***Contaminants:***
***Emission Control:***

---

***Site:*** ***Database:*** ***CA***
***Lot 25 & 26, Concession 1 Ottawa ON***

***Certificate #:*** 6524-4QHTM6
***Application Year:*** 00
***Issue Date:*** 10/30/00
***Approval Type:*** Municipal & Private sewage
***Status:*** Approved
***Application Type:*** New Certificate of Approval
***Client Name:*** 1270449 Ontario Inc.
***Client Address:*** 1187 Bank Street
***Client City:*** Ottawa
***Client Postal Code:*** K1S 3X7
***Project Description:*** storm sewers construction on Saundres Ave; sanitary sewers construction on Pooler Ave, Orvigale Road, Porter St.

***Contaminants:***
***Emission Control:***

---

***Site:*** ***Database:*** ***CA***
***Richmond Road Ottawa ON***

***Certificate #:*** 7965-5ERRRZ
***Application Year:*** 02
***Issue Date:*** 10/11/02
***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:*** This application is for the construction of storm and sanitary sewers and appurtenances on Richmond Road
***Contaminants:***
***Emission Control:***

---

***Site:*** ***OTTAWA CITY*** ***Database:*** ***CA***
***RICHMOND ROAD OTTAWA CITY ON***

***Certificate #:*** 3-1088-90-
***Application Year:*** 90
***Issue Date:*** 6/26/1990
***Approval Type:*** Municipal sewage
***Status:*** Approved
***Application Type:***
***Client Name:***
***Client Address:***
***Client City:***
***Client Postal Code:***
***Project Description:***
***Contaminants:***
***Emission Control:***

---

***Site:*** ***OTTAWA CITY*** ***Database:*** ***CA***
***BYRON AVENUE OTTAWA CITY ON***

***Certificate #:*** 3-1320-88-
***Application Year:*** 88
***Issue Date:*** 8/5/1988
***Approval Type:*** Municipal sewage
***Status:*** Approved
***Application Type:***
***Client Name:***
***Client Address:***
***Client City:***
***Client Postal Code:***
***Project Description:***
***Contaminants:***
***Emission Control:***

---

***Site:*** ***NON PROFIT HOUSING CORPORATION*** ***Database:*** ***CA***
***PRIVATE (ON SITE) RICHMOND ST. OTTAWA CITY ON***

***Certificate #:*** 3-1118-87-
***Application Year:*** 87
***Issue Date:*** 7/7/1987
***Approval Type:*** Municipal sewage
***Status:*** Approved
***Application Type:***

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

---

***Site:*** ***City of Ottawa***
***Richmond Road Ottawa ON***

***Database:*** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 7893-5NLQJH |
| ***Application Year:*** | 2003 |
| ***Issue Date:*** | 6/18/2003 |
| ***Approval Type:*** | Municipal and Private Sewage Works |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name:*** | |
| ***Client Address:*** | |
| ***Client City:*** | |
| ***Client Postal Code:*** | |
| ***Project Description:*** | |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

***Site:*** ***OTTAWA CITY***
***RICHMOND ROAD OTTAWA CITY ON***

***Database:*** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 3-0159-96- |
| ***Application Year:*** | 96 |
| ***Issue Date:*** | 4/1/1996 |
| ***Approval Type:*** | Municipal sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name:*** | |
| ***Client Address:*** | |
| ***Client City:*** | |
| ***Client Postal Code:*** | |
| ***Project Description:*** | |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

***Site:*** ***City of Ottawa***
***Richmond Road Ottawa ON***

***Database:*** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 1424-6CXJGA |
| ***Application Year:*** | 2005 |
| ***Issue Date:*** | 6/3/2005 |
| ***Approval Type:*** | Municipal and Private Sewage Works |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name:*** | |
| ***Client Address:*** | |
| ***Client City:*** | |
| ***Client Postal Code:*** | |
| ***Project Description:*** | |
| ***Contaminants:*** | |
| ***Emission Control:*** | |

---

***Site:*** ***NON-PROFIT HOUSING CORPORATION***
***RICHMOND RD.NON-PROFIT HOUSING OTTAWA CITY ON***

***Database:*** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 7-0925-87- |

***Application Year:*** 87
***Issue Date:*** 7/7/1987
***Approval Type:*** Municipal water
***Status:*** Approved
***Application Type:***
***Client Name:***
***Client Address:***
***Client City:***
***Client Postal Code:***
***Project Description:***
***Contaminants:***
***Emission Control:***

---

***Site:*** ***Kiewit Eurovia Vinci***
***Cleary Station Richmond Road Ottawa ON K2A 0G6***

***Database:*** ***GEN***

***Generator No:*** ON6388739
***SIC Code:***
***SIC Description:***
***Approval Years:*** As of Nov 2021
***PO Box No:***
***Country:*** Canada
***Status:*** Registered
***Co Admin:***
***Choice of Contact:***
***Phone No Admin:***
***Contaminated Facility:***
***MHSW Facility:***

***Detail(s)***

***Waste Class:*** 146 L
***Waste Class Name:*** Other specified inorganic sludges, slurries or solids

***Waste Class:*** 221 L
***Waste Class Name:*** Light fuels

***Waste Class:*** 251 L
***Waste Class Name:*** Waste oils/sludges (petroleum based)

---

***Site:*** ***Kiewit Eurovia Vinci***
***Cleary Station Richmond Road Ottawa ON K2A 0G6***

***Database:*** ***GEN***

***Generator No:*** ON6388739
***SIC Code:***
***SIC Description:***
***Approval Years:*** As of Oct 2022
***PO Box No:***
***Country:*** Canada
***Status:*** Registered
***Co Admin:***
***Choice of Contact:***
***Phone No Admin:***
***Contaminated Facility:***
***MHSW Facility:***

***Detail(s)***

***Waste Class:*** 146 L
***Waste Class Name:*** OTHER SPECIFIED INORGANICS

***Waste Class:*** 251 L
***Waste Class Name:*** OIL SKIMMINGS & SLUDGES

***Waste Class:*** 221 L
***Waste Class Name:*** LIGHT FUELS

***Site:***

***Pt. Lots 25, 26, 27, Conc 1, Ottawa Front, Former CPR R/W, (Near Richmond R.), Ottawa ON***

***Database:*** ***RSC***

| | | | |
|---|---|---|---|
| ***RSC ID:*** | | ***Cert Date:*** | |
| ***RA No:*** | | ***Cert Prop Use No:*** | |
| ***RSC Type:*** | | ***Intended Prop Use:*** | |
| ***Curr Property Use:*** | | ***Qual Person Name:*** | |
| ***Ministry District:*** | Guelph | ***Stratified (Y/N):*** | N |
| ***Filing Date:*** | 06/02/99 | ***Audit (Y/N):*** | N |
| ***Date Ack:*** | 06/02/99 | ***Entire Leg Prop. (Y/N):*** | |
| ***Date Returned:*** | | ***Accuracy Estimate:*** | |
| ***Restoration Type:*** | Generic | ***Telephone:*** | |
| ***Soil Type:*** | Fine | ***Fax:*** | |
| ***Criteria:*** | Ind/comm, potable | ***Email:*** | |
| ***CPU Issued Sect 1686:*** | | | |
| ***Asmt Roll No:*** | | | |
| ***Prop ID No (PIN):*** | | | |
| ***Property Municipal Address:*** | | | |
| ***Mailing Address:*** | | | |
| ***Latitude & Latitude:*** | | | |
| ***UTM Coordinates:*** | | | |
| ***Consultant:*** | Trow Consulting | | |
| ***Legal Desc:*** | | | |
| ***Measurement Method:*** | | | |
| ***Applicable Standards:*** | | | |
| ***RSC PDF:*** | | | |

***Site:***

***Richmond Ottawa ON***

***Database:*** ***SPL***

| | | | |
|---|---|---|---|
| ***Ref No:*** | 6637-67GQEZ | ***Contaminant Qty:*** | |
| ***Site No:*** | | ***Nature of Damage:*** | |
| ***Incident Dt:*** | 8/6/2004 | ***Discharger Report:*** | |
| ***Year:*** | | ***Material Group:*** | Oil |
| ***Incident Cause:*** | | ***Health/Env Conseq:*** | |
| ***Incident Event:*** | | ***Agency Involved:*** | |
| ***Environment Impact:*** | Not Anticipated | ***Site Lot:*** | |
| ***Nature of Impact:*** | Soil Contamination | ***Site Conc:*** | |
| ***MOE Response:*** | | ***Site Geo Ref Accu:*** | |
| ***Dt MOE Arvl on Scn:*** | | ***Site Map Datum:*** | |
| ***MOE Reported Dt:*** | 12/8/2004 | ***Northing:*** | |
| ***Dt Document Closed:*** | | ***Easting:*** | |
| ***Municipality No:*** | | | |
| ***System Facility Address:*** | | | |
| ***Client Type:*** | | | |
| ***Call Report Location Geodata:*** | | | |
| ***Contaminant Code:*** | 13 | | |
| ***Contaminant Name:*** | FURNACE OIL | | |
| ***Contaminant Limit 1:*** | | | |
| ***Contam Limit Freq 1:*** | | | |
| ***Contaminant UN No 1:*** | | | |
| ***Receiving Medium:*** | Land | | |
| ***Receiving Environment:*** | | | |
| ***Incident Reason:*** | | | |
| ***Incident Summary:*** | 6570 Franktown Rd - furnace oil spill | | |
| ***Site Region:*** | Eastern | | |
| ***Site Municipality:*** | Ottawa | | |
| ***Activity Preceding Spill:*** | | | |
| ***Property 2nd Watershed:*** | | | |
| ***Property Tertiary Watershed:*** | | | |
| ***Sector Type:*** | | | |
| ***SAC Action Class:*** | Notification | | |
| ***Source Type:*** | | | |
| ***Site County/District:*** | | | |
| ***Site Geo Ref Meth:*** | | | |
| ***Site District Office:*** | Ottawa | | |
| ***Nearest Watercourse:*** | | | |

***Site Name:*** 6570 FRANKTOWN RD<UNOFFICIAL>
***Site Address:***
***Client Name:***

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***Site:*** ***Hydro-Ottawa***
***Richmond Ottawa ON***

***Database:*** ***SPL***

***Ref No:*** 3852-5V7S7N
***Site No:***
***Incident Dt:*** 11/6/2003
***Year:***
***Incident Cause:*** Cooling System Leak
***Incident Event:***
***Environment Impact:*** Confirmed
***Nature of Impact:*** Soil Contamination
***MOE Response:***
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 1/14/2004
***Dt Document Closed:***
***Municipality No:***
***System Facility Address:***
***Client Type:***
***Call Report Location Geodata:***
***Contaminant Code:*** 13
***Contaminant Name:*** MINERAL OIL
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Receiving Medium:*** Land
***Receiving Environment:***
***Incident Reason:*** Unknown - Reason not determined
***Incident Summary:*** Hydro Ottawa - non PCB- 100 L Xformer oil
***Site Region:*** Eastern
***Site Municipality:*** Ottawa
***Activity Preceding Spill:***
***Property 2nd Watershed:***
***Property Tertiary Watershed:***
***Sector Type:*** Transformer
***SAC Action Class:*** Spill to Land
***Source Type:***
***Site County/District:***
***Site Geo Ref Meth:***
***Site District Office:*** Ottawa
***Nearest Watercourse:***
***Site Name:*** CORNER OF CHANNONHOUSE RD AND DALLAIRE RD<UNOFFICIAL>
***Site Address:***
***Client Name:*** Hydro-Ottawa

***Contaminant Qty:*** 100 L
***Nature of Damage:***
***Discharger Report:***
***Material Group:*** Oil
***Health/Env Conseq:***
***Agency Involved:***
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:***
***Easting:***

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***Site:*** ***Kiewit Eurovia Vinci***
***Cleary St and Sr John a Macdonald Parkway Ottawa ON***

***Database:*** ***SPL***

***Ref No:*** 4388-BWDSSV
***Site No:*** NA
***Incident Dt:*** 12/17/2020
***Year:***
***Incident Cause:***
***Incident Event:*** Leak/Break
***Environment Impact:***
***Nature of Impact:***
***MOE Response:*** No
***Dt MOE Arvl on Scn:***
***MOE Reported Dt:*** 12/17/2020
***Dt Document Closed:*** 3/28/2021
***Municipality No:***
***System Facility Address:***
***Client Type:*** Corporation
***Call Report Location Geodata:***

***Contaminant Qty:*** 5 L
***Nature of Damage:***
***Discharger Report:***
***Material Group:***
***Health/Env Conseq:*** 2 - Minor Environment
***Agency Involved:***
***Site Lot:***
***Site Conc:***
***Site Geo Ref Accu:***
***Site Map Datum:***
***Northing:*** 5025841
***Easting:*** 439722

| | |
|---|---|
| ***Contaminant Code:*** | 15 |
| ***Contaminant Name:*** | HYDRAULIC OIL |
| ***Contaminant Limit 1:*** | |
| ***Contam Limit Freq 1:*** | |
| ***Contaminant UN No 1:*** | n/a |
| ***Receiving Medium:*** | |
| ***Receiving Environment:*** | Land |
| ***Incident Reason:*** | Equipment Failure |
| ***Incident Summary:*** | KEV: <5L hydraulic oil to soil, cntnd |
| ***Site Region:*** | Eastern |
| ***Site Municipality:*** | Ottawa |
| ***Activity Preceding Spill:*** | |
| ***Property 2nd Watershed:*** | |
| ***Property Tertiary Watershed:*** | |
| ***Sector Type:*** | Miscellaneous Industrial |
| ***SAC Action Class:*** | |
| ***Source Type:*** | Valve/Fitting/Piping |
| ***Site County/District:*** | |
| ***Site Geo Ref Meth:*** | |
| ***Site District Office:*** | Ottawa |
| ***Nearest Watercourse:*** | |
| ***Site Name:*** | Site<UNOFFICIAL> |
| ***Site Address:*** | Cleary St and Sr John a Macdonald Parkway |
| ***Client Name:*** | Kiewit Eurovia Vinci |

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***Site:*** ***TEXACO RICHMOND RD. SERVICE STATION OTTAWA CITY ON***

***Database:*** ***SPL***

| | | | |
|---|---|---|---|
| ***Ref No:*** | 14431 | ***Contaminant Qty:*** | |
| ***Site No:*** | | ***Nature of Damage:*** | |
| ***Incident Dt:*** | 2/2/1989 | ***Discharger Report:*** | |
| ***Year:*** | | ***Material Group:*** | |
| ***Incident Cause:*** | OTHER CAUSE (N.O.S.) | ***Health/Env Conseq:*** | |
| ***Incident Event:*** | | ***Agency Involved:*** | |
| ***Environment Impact:*** | NOT ANTICIPATED | ***Site Lot:*** | |
| ***Nature of Impact:*** | | ***Site Conc:*** | |
| ***MOE Response:*** | | ***Site Geo Ref Accu:*** | |
| ***Dt MOE Arvl on Scn:*** | | ***Site Map Datum:*** | |
| ***MOE Reported Dt:*** | 2/2/1989 | ***Northing:*** | |
| ***Dt Document Closed:*** | | ***Easting:*** | |
| ***Municipality No:*** | 20101 | | |
| ***System Facility Address:*** | | | |
| ***Client Type:*** | | | |
| ***Call Report Location Geodata:*** | | | |
| ***Contaminant Code:*** | | | |
| ***Contaminant Name:*** | | | |
| ***Contaminant Limit 1:*** | | | |
| ***Contam Limit Freq 1:*** | | | |
| ***Contaminant UN No 1:*** | | | |
| ***Receiving Medium:*** | LAND | | |
| ***Receiving Environment:*** | | | |
| ***Incident Reason:*** | ERROR | | |
| ***Incident Summary:*** | | | |
| ***Site Region:*** | | | |
| ***Site Municipality:*** | OTTAWA CITY | | |
| ***Activity Preceding Spill:*** | | | |
| ***Property 2nd Watershed:*** | | | |
| ***Property Tertiary Watershed:*** | | | |
| ***Sector Type:*** | | | |
| ***SAC Action Class:*** | | | |
| ***Source Type:*** | | | |
| ***Site County/District:*** | | | |
| ***Site Geo Ref Meth:*** | | | |
| ***Site District Office:*** | | | |
| ***Nearest Watercourse:*** | | | |
| ***Site Name:*** | | | |
| ***Site Address:*** | | | |
| ***Client Name:*** | | | |

***Site:***
***lot 27 ON***

***Database:***
***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1518033 | ***Flowing (Y/N):*** | |
| ***Construction Date:*** | | ***Flow Rate:*** | |
| ***Use 1st:*** | Cooling And A/C | ***Data Entry Status:*** | |
| ***Use 2nd:*** | | ***Data Src:*** | 1 |
| ***Final Well Status:*** | Water Supply | ***Date Received:*** | 12/13/1982 |
| ***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:*** | 027 |
| ***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:*** | OTTAWA CITY | | |
| ***Site Info:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10039904 | ***Elevation:*** | |
| ***DP2BR:*** | | ***Elevrc:*** | |
| ***Spatial Status:*** | | ***Zone:*** | 18 |
| ***Code OB:*** | | ***East83:*** | |
| ***Code OB Desc:*** | | ***North83:*** | |
| ***Open Hole:*** | | ***Org CS:*** | |
| ***Cluster Kind:*** | | ***UTMRC:*** | 9 |
| ***Date Completed:*** | 01/29/1982 | ***UTMRC Desc:*** | unknown UTM |
| ***Remarks:*** | | ***Location Method:*** | na |
| ***Loc 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:*** | 931037128 |
| ***Layer:*** | 1 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Mat2 Desc:*** | |
| ***Mat3:*** | |
| ***Mat3 Desc:*** | |
| ***Formation Top Depth:*** | 0.0 |
| ***Formation End Depth:*** | 10.0 |
| ***Formation End Depth UOM:*** | ft |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931037129 |
| ***Layer:*** | 2 |

***Color:*** 2
***General Color:*** GREY
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 10.0
***Formation End Depth:*** 15.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931037130
***Layer:*** 3
***Color:*** 8
***General Color:*** BLACK
***Mat1:*** 17
***Most Common Material:*** SHALE
***Mat2:*** 85
***Mat2 Desc:*** SOFT
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 15.0
***Formation End Depth:*** 27.0
***Formation End Depth UOM:*** ft

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 931037131
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Mat2 Desc:***
***Mat3:***
***Mat3 Desc:***
***Formation Top Depth:*** 27.0
***Formation End Depth:*** 100.0
***Formation End Depth UOM:*** ft

***Method of Construction & Well Use***

***Method Construction ID:*** 961518033
***Method Construction Code:*** 5
***Method Construction:*** Air Percussion
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10588474
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930069713
***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

***Construction Record - Casing***

***Casing ID:*** 930069712
***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

***Results of Well Yield Testing***

***Pumping Test Method Desc:*** PUMP
***Pump Test ID:*** 991518033
***Pump Set At:***
***Static Level:*** 15.0
***Final Level After Pumping:*** 50.0
***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:*** 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:*** 934896797
***Test Type:*** Draw Down
***Test Duration:*** 60
***Test Level:*** 50.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934647523
***Test Type:*** Draw Down
***Test Duration:*** 45
***Test Level:*** 50.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934377689
***Test Type:*** Draw Down
***Test Duration:*** 30
***Test Level:*** 50.0
***Test Level UOM:*** ft

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934103360
***Test Type:*** Draw Down
***Test Duration:*** 15
***Test Level:*** 50.0
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933474659
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 97.0
***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

The Ontario Ministry of Northern Development, Mines, Natural Resources and Forestry (ONDMNRF) maintains this database of pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

***Government Publication Date: Up to Oct 2022***

***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-Mar 2022***

***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-Feb 28, 2022***

***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 2021***

***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: Feb 28, 2022***

***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-Feb 28, 2023***

***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 2023***

***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-Apr 2023***

***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 - Jun 30, 2023***

***Drill Hole Database:*** Provincial DRL

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

***Government Publication Date: 1886 - Oct 2022***

***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: Feb 28, 2022***

***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- Jun 30, 2023***

***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 - Jun 30, 2023***

***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- Jun 30, 2023***

***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-Jun 30, 2023***

***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, 2022***

***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: Feb 28, 2022***

***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-Jun 2023***

***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: May 31, 2018***

***Fuel Storage Tank:*** Provincial FST

List of registered private and retail fuel storage tanks. This is not a comprehensive or complete inventory of private and retail fuel storage tanks in the province; this listing is a copy of registered private and retail fuel storage tanks, obtained under Access to Public Information.
Notes: registration was not required for private fuel underground/aboveground storage tanks prior to January 1990, nor for furnace oil tanks prior to May 1, 2002; registration is not required for waste oil tanks in apartments, office buildings, residences, etc., or aboveground gas or diesel tanks. Records are not verified for accuracy or completeness.

***Government Publication Date: Feb 28, 2022***

***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-Oct 31, 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 2019***

***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: Feb 28, 2022***

***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 21, 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 2023***

***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, 2021***

***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-Oct 2022***

***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 1993-2020:*** 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: Sep 2020***

***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, 2023***

***Ontario Oil and Gas Wells:*** Provincial OOGW

In 1998, the MNR handed over to the Ontario Oil, Gas and Salt Resources Corporation, the responsibility of maintaining a database of oil and gas wells drilled in Ontario. The OGSR Library has over 20,000+ wells in their database. Information available for all wells in the ERIS database include well owner/operator, location, permit issue date, and well cap date, license No., status, depth and the primary target (rock unit) of the well being drilled. All geology/stratigraphy table information, plus all water table information is also provide for each well record.

***Government Publication Date: 1800-Aug 2021***

***Inventory of PCB Storage Sites:*** Provincial OPCB

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

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

***Orders:*** Provincial ORD

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include 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 - Jun 30, 2023***

***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- Jun 30, 2023***

***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***

***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 - Jun 30, 2023***

***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).

***Government Publication Date: 1997-Sept 2001, Oct 2004-Jun 2023***

***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-Feb 28, 2023***

***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 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. The Ministry of the Environment, Conservation and Parks cites the coronavirus pandemic as an explanation for delays in releasing data pursuant to requests.

***Government Publication Date: 1988-Oct 2021***

***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, 2020***

***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 2023***

***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- Jun 30, 2023***

***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: Mar 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 B**

# HLUI Report

# HISTORIC LAND USE INVENTORY (HLUI) - REPORT REFERENCE MAP

| OBJECTID | ACTIVITY_NAME | FACILITY_TYPE | SOURCE_UPDATE_SORTED | QAQC | YEAR | YEAR_1 | ST_NUM | ST_NAME | ST_SUFFIX | ST_DIR | MUNICIPALITY | ST_NUM2017 | ST_NAME2017 | ST_SUFFIX2017 | ST_DIR2017 | POSTAL_CODE2017 | PIN2017 | MUNICIPALITY2017 | NAICS | SIC | COMMENTS | STORAGE_TANK | Shape_Length | Shape_Area |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 6982 | SUNLIGHT OIL CO | Petroleum Products, Wholesale | 1940-M; 1948-FIP-340-2221; 1949-M; 1950-BEP; 1950-M; 1956-FIP-340-2221; 1956-M | 1 | 1948-1957 | c. 1939-1956 | 855 | RICHMOND | RD | | OTTAWA | 851 | RICHMOND | RD | | K2A3X2 | 47510112 | OLD OTTAWA | 412110; 419120; 454310 | 511 | M. 1956, M. 1957 - listed @ 841 Richmond M. 1950 - listed | 3 above ground storage tanks | 384.327499 | 6056.189295 |
| 6983 | UNNAMED GASOLINE SERVICE STATI | Gasoline Service Stations | 1948-FIP-340-2221; 1949-M; 1956-FIP-340-2221; 1956-M; 1957-M; 1960-M; 1970-M; 1980-M | 1 | 1949-1980 | c. 1948-1956; c. 1960; c. 1970 | 865 | RICHMOND | RD | | OTTAWA | 851 | RICHMOND | RD | | K2A3X2 | 47510112 | OLD OTTAWA | 447110; 447190; 811199 | 633 | | Two USTs located on north east section of property | 384.327499 | 6056.189295 |
| 6984 | ACOM | Other Machinery and Equipment Industries | 1998-SC | 1 | 1998 | c. 1998 | 851 | RICHMOND | RD | | OTTAWA | 851 | RICHMOND | RD | | K2A3X2 | 47510112 | OLD OTTAWA | 332510; 332991; 333110; 333120; 333130; 333210; 333220; 333291; 333299; | 306; 319 | | | 384.327499 | 6056.189295 |
| 6985 | DENTECH INC | Medical and Other Health Laboratories | 2001-ES; 2006-ES; 2012-ES | 1 | 2001 | c. 2001 | 797 | RICHMOND | RD | | OTTAWA | 797 | RICHMOND | RD | | K2A0G7 | 47510116 | OLD OTTAWA | 541380; 621510 | | | | 136.548818 | 1164.712172 |
| 6986 | SIGNS IN 23 HOURS | Sign and Display Industry | 2001-ES; 2005-SelectPhone; 2006-ES | 1 | 2005 | c. 2001; c. 2005 | 747 | RICHMOND | RD | | | 747 | RICHMOND | RD | | K2A0G6 | 47510121 | OLD OTTAWA | 339950 | | | | 217.543365 | 2443.941216 |
| 6987 | SUNLIGHT OIL SERVICE STATION | Gasoline Service Stations | 1950-M; 1965-AirPhoto | 1 | 1900-1965 | c. 1950 | 721 | RICHMOND | RD | | OTTAWA | 747 | RICHMOND | RD | | K2A0G6 | 47510121 | OLD OTTAWA | 447110; 447190; 811199 | 633 | | | 217.543365 | 2443.941216 |
| 6988 | DRY CLEANING DEPOT | Laundries and Cleaners | 2006-ES | 1 | 2006 | c. 2006 | 747 | RICHMOND | RD | | OTTAWA | 747 | RICHMOND | RD | | K2A0G6 | 47510121 | OLD OTTAWA | 812320 | | | | 217.543365 | 2443.941216 |
| 6989 | BURNS SHELL SERVICE STATION | Motor Vehicle Repair Shops | 1956-FIP-335-2222; 1956-M; 1960-M; 1970-M | 1 | 1956-1970 | c. 1956; c. 1960; c. 1970 | 747 | RICHMOND | RD | | OTTAWA | 747 | RICHMOND | RD | | K2A0G6 | 47510121 | OLD OTTAWA | 447110; 447190; 811112; 811119; 811121; 811199 | 633; 635 | FIP1948 - vacant lot - greasing noted in garage | 2 UST - gasoline | 217.543365 | 2443.941216 |
| 6990 | LEAFLOOR BROTHERS CO LIMITED | Lumber and Building Materials, Wholesale | 1920-M; 1948-FIP-340-2221; 1950-BEP; 1956-FIP-340-2221; 1956-M | 1 | 1917 | c. 1917 | 0 | RICHMOND | RD | | OTTAWA | 747 | RICHMOND | RD | | K2A0G6 | 47510121 | OLD OTTAWA | 412110; 416310; 416320; 416340; 419120; 444110; | 511; 563 | Located on the north east corner of Cleary. | | 217.543365 | 2443.941216 |
| 6991 | A 1 FAX OFFICE EQUIPMENT | Other Machinery and Equipment Industries | 2005-SelectPhone | 1 | 2005 | c. 2005 | 747 | RICHMOND | RD | | | 747 | RICHMOND | RD | | K2A0G6 | 47510121 | OLD OTTAWA | 333291 | | | | 217.543365 | 2443.941216 |
| 7637 | 793 RICHMOND-OFF-SITE MANAGEMENT-CHARLESFORT LTD | Environmental Risk Assessment | 2017-CityofOttawa-RemediationUnit | 1 | 2017 | | | | | | | | | | | | | | | | | | 236.557884 | 3321.775351 |
| 7841 | LOCKHART GULF SERVICE STATION | Gasoline Service Stations | 1970-M | 1 | 1970 | | 881 | RICHMOND | RD | | OTTAWA | 881 | RICHMOND | RD | | | 47510111 | OTTAWA | | | | | 169.059309 | 1784.494034 |
| 8056 | RAY O'DONNELL BP SERVICE STATIO | Gasoline Service Stations | 1970-M | 1 | 1970 | | 865 | RICHMOND | RD | | OTTAWA | 865 | RICHMOND | RD | | | 47510112 | OTTAWA | | | | | 384.327499 | 6056.189295 |
| 8057 | TIERNEY BP SERVICE STATION | Gasoline Service Stations | 1960-M | 1 | 1960 | | 865 | RICHMOND | RD | | OTTAWA | 865 | RICHMOND | RD | | | 47510112 | OTTAWA | | | | | 384.327499 | 6056.189295 |
| 8058 | LATREMOUILLE D LTD | Other Machinery and Equipment Industries | 1998-SC | 1 | 1998 | | 851 | RICHMOND | RD | | OTTAWA | 851 | RICHMOND | RD | | | 47510112 | OTTAWA | | | | | 384.327499 | 6056.189295 |
| 8059 | PETER'S SHELL SERVICE STATION | Motor Vehicle Repair Shops | 1970-M | 1 | 1970 | | 747 | RICHMOND | RD | | OTTAWA | 747 | RICHMOND | RD | | | 47510121 | OTTAWA | | | | | 217.543365 | 2443.941216 |
| 8060 | ARDLEY SHELL GAS STATION | Motor Vehicle Repair Shops | 1956-M | 1 | 1956 | | 747 | RICHMOND | RD | | OTTAWA | 747 | RICHMOND | RD | | | 47510121 | OTTAWA | | | | | 217.543365 | 2443.941216 |
| 8204 | EGAN SUNOCO SERVICE STATION | Motor Vehicle Repair Shops | 1956-M | 1 | 1956 | | 793 | RICHMOND | RD | | OTTAWA | 75 | CLEARY | AVE | | K2A1R8 | 1.59E+08 | Old Ottawa | | | | | 210.367157 | 2392.534154 |
| 8205 | MARCHINGTON BRO SERVICE | Motor Vehicle Repair Shops | 1960-M | 1 | 1960 | | 793 | RICHMOND | RD | | OTTAWA | 75 | CLEARY | AVE | | K2A1R8 | 1.59E+08 | Old Ottawa | | | | | 210.367157 | 2392.534154 |
| 8206 | STAN TROWBRIDGE SUNOCO | Motor Vehicle Repair Shops | 1970-M | 1 | 1970 | | 793 | RICHMOND | RD | | OTTAWA | 75 | CLEARY | AVE | | K2A1R8 | 1.59E+08 | Old Ottawa | | | | | 210.367157 | 2392.534154 |
| 10101 | DAVE RENNIE'S AUTOCARE | Other Motor Vehicle Services | 2005-SelectPhone; 2006-ES; 2012-ES; 2017-SalesGenie | 1 | 2005 | c. 2005 | 801 | RICHMOND | RD | | | 801 | RICHMOND | RD | | K2A0G7 | 47510115 | OLD OTTAWA | 488410; 811199 | | | | 144.729495 | 1301.71851 |
| 10102 | 464354 ONTARIO LIMITED | Motor Vehicle Repair Shops | 2005-PropertyAssessment | 1 | 2005 | c. 2005 | 801 | RICHMOND | RD | | OTTAWA | 801 | RICHMOND | RD | | K2A0G7 | 47510115 | OLD OTTAWA | 811111; 811112; 811119; 811121; 811199 | | | | 144.729495 | 1301.71851 |
| 10103 | POOLARAMA | Other Trade Work | 2005-SelectPhone | 1 | 2005 | c. 2005 | 881 | RICHMOND | RD | | | 881 | RICHMOND | RD | | K2A0G8 | 47510111 | OLD OTTAWA | 238990; 562910 | | | | 169.059309 | 1784.494034 |
| 10104 | BRADING'S BA SERVICE STATION | Gasoline Service Stations | 1956-FIP-339-2207; 1957-M; 1960-M; 1970-M | 1 | 1948-1980 | c. 1956; c. 1960; c. 1970 | 881 | RICHMOND | RD | | OTTAWA | 881 | RICHMOND | RD | | K2A0G8 | 47510111 | OLD OTTAWA | 447110; 447190; 811199 | 633 | 881-883 | TWO USTs located to the east side of property | 169.059309 | 1784.494034 |
| 10123 | SAVEWAY GAS | Gas Bar | 1990-CD | 1 | 1990 | CD 1990 | 875 | RICHMOND | RD | | | 875 | RICHMOND | RD | | K2A0G7 | 47510113 | OLD OTTAWA | | | | | 144.947745 | 1279.888434 |
| 10124 | LITTLE OIL COMPANY LIMITED | Gasoline Service Stations | 1980-M | 1 | 1980 | c. 1980+ | 875 | RICHMOND | RD | | OTTAWA | 875 | RICHMOND | RD | | K2A0G7 | 47510113 | OLD OTTAWA | 447110; 447190; 811199 | 633 | Automobile Dealership in 1970 | | 144.947745 | 1279.888434 |
| 10126 | WESTBORO SUNOCO | Motor Vehicle Repair Shops | 1948-FIP-335-2221; 1948-M; 1956-FIP-335-2221; 1956-M; 1960-M; 1970-M; 1980-M | 1 | 1948-1980 | c. 1956; c. 1960; c. 1970; c. 1980+ | 793 | RICHMOND | RD | | OTTAWA | 75 | CLEARY | AVE | | K2A1R8 | 1.59E+08 | OLD OTTAWA | 447110; 447190; 811112; 811119; 811121; 811199 | 633; 635 | FIP1948 - lists as residence - greasing noted in garage | | 210.367157 | 2392.534154 |
| 10127 | A + S COIN WASH AND DRY CLEANING | Laundries and Cleaners | 1970-M | 1 | 1970 | c. 1970 | 739 | RICHMOND | RD | | OTTAWA | 727 | RICHMOND | RD | | K2A0G6 | 1.53E+08 | OLD OTTAWA | 561740; 812310; 812320; 812330 | 972 | | | 330.636738 | 4985.332664 |

| OBJECTID | ACTIVITY_NAME | FACILITY_TYPE | TANK_LOCATION | TANK_CONTENT | TANK_SIZE | TANK_TYPE | TANK_STATUS | SOURCE | INSTALLED_ST_NUM | INSTALLED_ST_NAME | INSTALLED_ST_ABR | INSTALLED_ST_DIR | COMMENT | MTM_X | MTM_Y | IMAGE_MAP | IMAGE_CERTAINTY | IMAGE_MAP_2 | TANK_MATERIAL | TANK_ID | TANK_LEAKING | TANK_REMOVED | REMOVED_DATE | DATE_INSTALLED | NATURE_OF_BUSINESS | SCANNED_DRAWING | TEMPRecordID | CAPACITY_UOM | MUNICIPALITY | POSTCODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 570 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1956 | 771 | RICHMOND | RD | | historical address - around 771 Richmond Rd | 361902.4071 | 5027152.11 | Volume3_335.jpg | 1 | | | | | | | | | | | | | |
| 571 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1956 | 771 | RICHMOND | RD | | historical address - around 771 Richmond Rd | 361905.3176 | 5027149.73 | Volume3_335.jpg | 1 | | | | | | | | | | | | | |
| 572 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1956 | 739 | RICHMOND | RD | | historical address - around 739 Richmond Rd | 361959.0281 | 5027234.13 | Volume3_335.jpg | 1 | | | | | | | | | | | | | |
| 573 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1956 | 739 | RICHMOND | RD | | historical address - around 739 Richmond Rd | 361962.2031 | 5027231.75 | Volume3_335.jpg | 1 | | | | | | | | | | | | | |
| 584 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1956 | 883 | RICHMOND | RD | | historical address - 883 Richmond Rd | 361662.9224 | 5026817.64 | Volume3_339.jpg | 1 | | | | | | | | | | | | | |
| 585 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1956 | 883 | RICHMOND | RD | | historical address - 883 Richmond Rd | 361666.6265 | 5026823.99 | Volume3_339.jpg | 1 | | | | | | | | | | | | | |
| 586 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1948; FIP1956 | 865 | RICHMOND | RD | | historical address - 865 Richmond Rd, 761 Richmond Rd | 361734.8892 | 5026931.94 | Volume3_340.jpg | 1 | 339.jpg | | | | | | | | | | | | |
| 587 | GASOLINE SERVICE STATION | Gasoline Service Station | UST | | | | | FIP1948; FIP1956 | 865 | RICHMOND | RD | | historical address - 865 Richmond Rd, 761 Richmond Rd | 361731.7142 | 5026934.59 | Volume3_340.jpg | 1 | 339.jpg | | | | | | | | | | | | |
| 588 | SUNLIGHT OIL CO | Gasoline Service Station | AST | diesel fuel | | | | FIP1948; FIP1956 | 855 | RICHMOND | RD | | historical address - 855 Richmond Rd, 753 Richmond Rd | 361769.2851 | 5026967.4 | Volume3_340.jpg | 1 | 339.jpg | | | | | | | | | | | | |
| 589 | SUNLIGHT OIL CO | Gasoline Service Station | AST | diesel fuel | | | | FIP1948; FIP1956 | 855 | RICHMOND | RD | | historical address - 855 Richmond Rd, 753 Richmond Rd | 361770.3434 | 5026970.57 | Volume3_340.jpg | 1 | 339.jpg | | | | | | | | | | | | |
| 590 | SUNLIGHT OIL CO | Gasoline Service Station | AST | diesel fuel | | | | FIP1948; FIP1956 | 855 | RICHMOND | RD | | historical address - 855 Richmond Rd, 753 Richmond Rd | 361772.9892 | 5026973.75 | Volume3_340.jpg | 1 | 339.jpg | | | | | | | | | | | | |
| 2035 | | | UST | fuel oil | | | | ROW | 75 | CLEARY | AVE | | | 361911.3503 | 5027155.65 | | | | | ST7570 | | | | | 2 tanks | | | | | |
| 2085 | | | UST | fuel oil | | | | ROW | 747 | RICHMOND | RD | | | 361965.4707 | 5027226.94 | | | | | ST7621 | | | | | 2 tanks | | | | | |
| 2090 | | | UST | fuel oil | | | | ROW | 881 | RICHMOND | RD | | | 361657.2318 | 5026814.97 | | | | | ST7626 | | | | | 2 tanks | | | | | |
| 2156 | | | UST | fuel oil | | | | ROW | 75 | CLEARY | AVE | | | 361911.3503 | 5027155.65 | | | | | ST7693 | | | | | 2 tanks | | | | | |
| 2206 | | | UST | fuel oil | | | | ROW | 747 | RICHMOND | RD | | | 361965.4707 | 5027226.94 | | | | | ST7744 | | | | | 2 tanks | | | | | |
| 2211 | | | UST | fuel oil | | | | ROW | 881 | RICHMOND | RD | | | 361657.2318 | 5026814.97 | | | | | ST7749 | | | | | 2 tanks | | | | | |
| 4356 | LEAFLOOR BROS LTD | | UST | gasoline | 4540 | Permit | | Bylaw No. 304-60 VAH6001; INNE 01178 - P1763 | 801 | RICHMOND | RD | | and pump address verified from dwg & geoottawa, 805 Richmond Rd, Plan 2000 Lot 26 W PT Lot 27 NL of 2000 3/4 Richmond Ottawa | 361858.0479 | 5027084.63 | FR300-VAH6001-INNE 01178_002.jpg | 2 | | | ST4539 | | | 21/12/1960 | | Yes | | | | | |
| 4357 | UNITARIAN CHURCH OF OTTAWA | | UST | fuel oil | 9080 | Permit | | Bylaw No. 304-60 VAH6100; 0396 - P2258 | 30 | CLEARY | AVE | | address verified from map, Algonquin Ave | 361792.9958 | 5027160.03 | FR300-VAH6100-0396_002.jpg | 2 | | | ST3964 | | | 23/06/1966 | | Yes | | | | | |
| 7862 | BRITISH AMERICAN OIL - C A JOHANNSEN & SONS - BRADING'S BA SERVICE STATION | | not specified | gasoline | 13620 | Permit | | Bylaw No. 8022 - P1017 | 881 | RICHMOND | RD | | address verified from 1960 city directory, Serv Stat Richmond & Lockhart | 361657.2318 | 5026814.97 | | | | | ST2309 | | | 16/07/1956 | 2 - 3000 gal gasoline | | | | | | |
| 7863 | BRITISH AMERICAN OIL LTD | | UST | gasoline | 13620 | Existing | Active | Bylaw No. 304-60 VAH6100; 0144 - P2231 | 881 | RICHMOND | RD | | new pumps address verified from dwg & geoottawa, Richmond Rd at Lockhart St, NW cor | 361657.2318 | 5026814.97 | FR300-VAH6100-0144_Page_2.jpg | 1 | | | ST1616 | N | N | | 16/07/1956 | | Yes | | | | | |
| 7864 | BRITISH AMERICAN OIL LTD | | UST | gasoline | 9080 | Existing | Active | Bylaw No. 304-60 VAH6100; 0144 - P2231 | 881 | RICHMOND | RD | | new pumps address verified from dwg & geoottawa, Richmond Rd at Lockhart St, NW cor | 361657.2318 | 5026814.97 | FR300-VAH6100-0144_Page_2.jpg | 1 | | | ST6545 | N | N | | | | Yes | | | | | |
| 7865 | BRITISH AMERICAN OIL LTD | | UST | fuel oil | 2270 | Existing | Active | Bylaw No. 304-60 VAH6100; 0144 - P2231 | 881 | RICHMOND | RD | | new pumps address verified from dwg & geoottawa, Richmond Rd at Lockhart St, NW cor | 361657.2318 | 5026814.97 | FR300-VAH6100-0144_Page_2.jpg | 1 | | | ST6647 | N | N | | | | Yes | | | | | |
| 7866 | BRITISH AMERICAN OIL LTD | | UST | waste oil | 2270 | Existing | Active | Bylaw No. 304-60 VAH6100; 0144 - P2231 | 881 | RICHMOND | RD | | new pumps address verified from dwg & geoottawa, Richmond Rd at Lockhart St, NW cor | 361657.2318 | 5026814.97 | FR300-VAH6100-0144_Page_2.jpg | 1 | | | ST7105 | N | N | | | | Yes | | | | | |
| 7867 | BP CANADA | | UST | gasoline | 13620 | Permit | | Bylaw No. 8022 - P1399, 1400, 1401 | 851 | RICHMOND | RD | | | 361742.6836 | 5026928.64 | | | | | ST1617 | | | | 06/10/1958 | 3 - 3000 gasoline UST | | | | | |
| 7868 | BP CANADA | | UST | gasoline | 13620 | Permit | | Bylaw No. 8022 - P1399, 1400, 1401 | 851 | RICHMOND | RD | | | 361742.6836 | 5026928.64 | | | | | ST2310 | | | | 06/10/1958 | 3 - 3000 gasoline UST | | | | | |

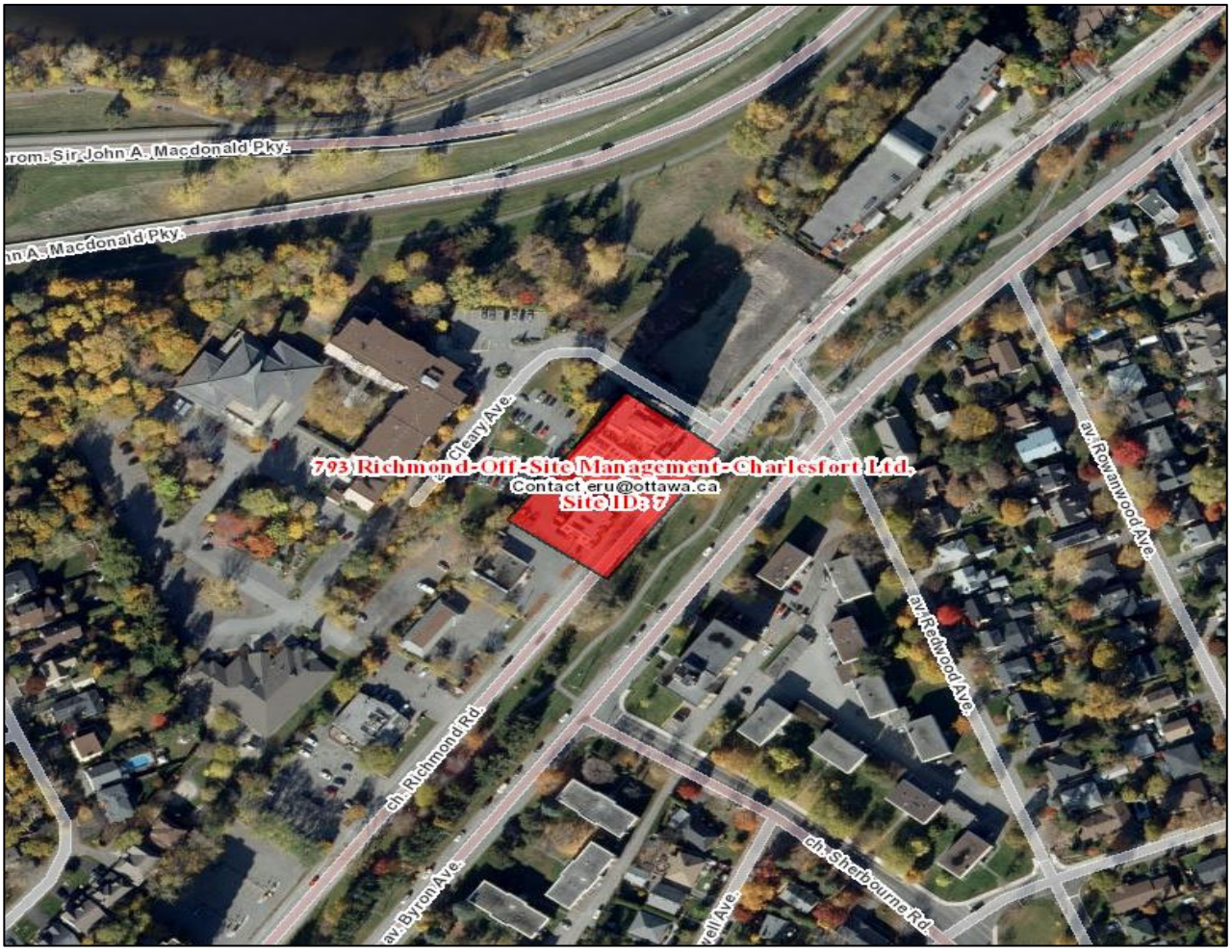
| OBJECTID | ACTIVITY_NAME | FACILITY_TYPE | TANK_LOCATION | TANK_CONTENT | TANK_SIZE | TANK_TYPE | TANK_STATUS | SOURCE | INSTALLED_ST_NUM | INSTALLED_ST_NAME | INSTALLED_ST_ABR | INSTALLED_ST_DIR | COMMENT | MTM_X | MTM_Y | IMAGE_MAP | IMAGE_CERTAINTY | IMAGE_MAP_2 | TANK_MATERIAL | TANK_ID | TANK_LEAKING | TANK_REMOVED | REMOVED_DATE | DATE_INSTALLED | NATURE_OF_BUSINESS | SCANNED_DRAWING | TEMPRECordID | CAPACITY_UOM | MUNICIPALITY | POSTCODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 7869 | BP CANADA | | UST | gasoline | 13620 | Permit | | Bylaw No. 8022 - P1399, 1400, 1401 | 851 | RICHMOND | RD | | | 361742.6836 | 5026928.64 | | | | | ST2642 | | | | 06/10/1958 | 3 - 3000 gasoline UST | | | | | |
| 7870 | CAPITAL CITY GAS | | UST | gasoline | 22700 | Permit | | Bylaw No. 304-60 VAH6100; 0144 - P2674 | 875 | RICHMOND | RD | | and pumps pt lot 26 at nw corner of richmond & lockhart ave; address verified from dwg & geoottawa, Pt Lot 26, at NW cor Richmond & Lockhart | 361688.807 | 5026856.33 | FR300-VAH6100-0144_Page_2.jpg | 1 | | | ST4538 | | | | 23/08/1972 | | Yes | | | | |
| 7871 | CAPITAL CITY GAS | | UST | gasoline | 22700 | Permit | | Bylaw No. 304-60 VAH6100; 0144 - P2674 | 875 | RICHMOND | RD | | and pumps pt lot 26 at nw corner of richmond & lockhart ave; address verified from dwg & geoottawa, Pt Lot 26, at NW cor Richmond & Lockhart | 361688.807 | 5026856.33 | FR300-VAH6100-0144_Page_2.jpg | 1 | | | ST5088 | | | | 23/08/1972 | | Yes | | | | |
| 7872 | CAPITAL CITY GAS | | UST | gasoline | 13620 | Permit | | Bylaw No. 304-60 VAH6100; 0144 - P2674 | 875 | RICHMOND | RD | | and pumps pt lot 26 at nw corner of richmond & lockhart ave; address verified from dwg & geoottawa, Pt Lot 26, at NW cor Richmond & Lockhart | 361688.807 | 5026856.33 | FR300-VAH6100-0144_Page_2.jpg | 1 | | | ST5352 | | | | 23/08/1972 | | Yes | | | | |
| 7873 | SHELL | | not specified | gasoline | 22700 | Permit | | Bylaw No. 8022 - P758 | 747 | RICHMOND | RD | | | 361965.4706 | 5027226.94 | | | | | ST1619 | | | | 07/09/1954 | 2 - 5000 gal gasoline tanks | | | | | |
| 7874 | SHELL | | not specified | gasoline | 22700 | Permit | | Bylaw No. 8022 - P758 | 747 | RICHMOND | RD | | | 361965.4706 | 5027226.94 | | | | | ST2311 | | | | 07/09/1954 | 2 - 5000 gal gasoline tanks | | | | | |
| 7875 | SHELL | | UST | gasoline | 45400 | Permit | | Bylaw No. 304-60 VAH6000; RICM 00747 - P2813 | 747 | RICHMOND | RD | | | 361965.4706 | 5027226.94 | FR300-VAH6000-RICM 00747_Page_2.jpg | 3 | | | ST4541 | | | | 18/09/1974 | | Yes | | | | |
| 7876 | SHELL | | UST | gasoline | 22700 | Existing | Active | Bylaw No. 304-60 VAH6000; RICM 00747 - P2813 | 747 | RICHMOND | RD | | | 361965.4706 | 5027226.94 | FR300-VAH6000-RICM 00747_Page_2.jpg | 3 | | | ST4540 | N | N | | 14/04/1964 | | Yes | | | | |
| 7877 | SHELL | | UST | gasoline | 22700 | Existing | Active | Bylaw No. 304-60 VAH6000; RICM 00747 - P2813 | 747 | RICHMOND | RD | | | 361965.4706 | 5027226.94 | FR300-VAH6000-RICM 00747_Page_2.jpg | 3 | | | ST5089 | N | N | | 14/04/1964 | | Yes | | | | |
| 7878 | SHELL | | UST | fuel oil | 2270 | Existing | Active | Bylaw No. 304-60 VAH6000; RICM 00747 - P2813 | 747 | RICHMOND | RD | | | 361965.4706 | 5027226.94 | FR300-VAH6000-RICM 00747_Page_2.jpg | 3 | | | ST6637 | N | N | | | | Yes | | | | |
| 7879 | SHELL | | UST | waste oil | 2270 | Existing | Active | Bylaw No. 304-60 VAH6000; RICM 00747 - P2813 | 747 | RICHMOND | RD | | | 361965.4706 | 5027226.94 | FR300-VAH6000-RICM 00747_Page_2.jpg | 3 | | | ST7098 | N | N | | | | Yes | | | | |
| 7880 | SHELL | | not specified | gasoline | 4540 | Permit | | Bylaw No. 8022 - P773, 774 | 747 | RICHMOND | RD | | near cleary st address verified from 1960 city directory, Richmond Rd & Cleary | 361965.4706 | 5027226.94 | | | | | ST1618 | | | | 07/09/1954 | 1 - 1000 gasoline tank & 1 - 1000 fuel oil | | | | | |
| 7881 | SHELL | | not specified | fuel oil | 4540 | Permit | | Bylaw No. 8022 - P773, 774 | 747 | RICHMOND | RD | | near cleary st address verified from 1960 city directory, Richmond Rd & Cleary | 361965.4706 | 5027226.94 | | | | | ST1835 | | | | 07/09/1954 | 1 - 1000 gasoline tank & 1 - 1000 fuel oil | | | | | |
| 8074 | SUN OIL | | not specified | gasoline | 18160 | Permit | | Bylaw No. 8022 - P1111 | 75 | CLEARY | AVE | | 793 richmond rd historic address, Serv Stn - 793 Richmond Rd | 361911.3503 | 5027155.65 | | | | | ST1681 | | | | 18/02/1957 | 1 - 4000 gal gasoline | | | | | |
| 8075 | SUN OIL | | not specified | gasoline | 13620 | Permit | | Bylaw No. 8022 - P823, 824, 825 | 75 | CLEARY | AVE | | | 361911.3503 | 5027155.65 | | | | | ST1680 | | | | 07/02/1955 | 3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 waste oil tank | | | | | |

| OBJECTID | ACTIVITY_NAME | FACILITY_TYPE | TANK_LOCATION | TANK_CONTENT | TANK_SIZE | TANK_TYPE | TANK_STATUS | SOURCE | INSTALLED_ST_NUM | INSTALLED_ST_NAME | INSTALLED_ST_ABR | INSTALLED_ST_DIR | COMMENT | MTM_X | MTM_Y | IMAGE_MAP | IMAGE_CERTAINTY | IMAGE_MAP_2 | TANK_MATERIAL | TANK_ID | TANK_LEAKING | TANK_REMOVED | REMOVED_DATE | DATE_INSTALLED | NATURE_OF_BUSINESS | SCANNED_DRAWING | TEMPRecordID | CAPACITY_UOM | MUNICIPALITY | POSTCODE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 8076 | SUN OIL | | not specified | gasoline | 13620 | Permit | | Bylaw No. 8022 - P823, 824, 825 | 75 | CLEARY | AVE | | | 361911.3503 | 5027155.65 | | | | | ST2334 | | | | 07/02/1955 | 3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 waste oil tank | | | | | |
| 8077 | SUN OIL | | not specified | gasoline | 13620 | Permit | | Bylaw No. 8022 - P823, 824, 825 | 75 | CLEARY | AVE | | | 361911.3503 | 5027155.65 | | | | | ST2649 | | | | 07/02/1955 | 3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 waste oil tank | | | | | |
| 8078 | SUN OIL | | not specified | fuel oil | 4540 | Permit | | Bylaw No. 8022 - P823, 824, 825 | 75 | CLEARY | AVE | | | 361911.3503 | 5027155.65 | | | | | ST2708 | | | | 07/02/1955 | 3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 waste oil tank | | | | | |
| 8079 | SUN OIL | | not specified | waste oil | 4540 | Permit | | Bylaw No. 8022 - P823, 824, 825 | 75 | CLEARY | AVE | | | 361911.3503 | 5027155.65 | | | | | ST2927 | | | | 07/02/1955 | 3 - 3000 gal gasoline 1 - 1000 gal fuel oil tank; & 1 - 1000 waste oil tank | | | | | |

Prepared By: *D.Kiar*
*City of Ottawa*
Environmental Remediation Unit
2023-11-08

| OBJECTID | SOURCE | FEATURE | YEAR | COMMENT | NAME | Shape_Length |
|---|---|---|---|---|---|---|
| 23 | 1979-Topographic Map | Abandoned Railway | | | | 6782.246565 |
| 125 | 1906-Topographic Map | Electric Railway | 1929, 1950, 1954 | Ottawa Electric Railway | | 6396.951311 |

**Environmental Risk Management Area (ERMA)**
**Site ID: 7**
**793 RICHMOND ROAD (75 CLEARY) – ROW CONTAMINATION**




The City has information indicating that soil and/or groundwater in the right-of-way (ROW) in this area may be contaminated with petroleum hydrocarbons (PHCs) from the operation of a former retail gas station and garage at 75 Cleary Avenue. Special consideration should be given for projects involving excavation of soil and/or groundwater management (i.e. contact w/ groundwater, pumping and/or dewatering).

For more information please contact the City's Environmental Remediation Unit (ERU) at ERU-UAE@ottawa.ca

**APPENDIX C**

# Regulatory Responses

From: Public Information Services <publicinformationservices@tssa.org>
Sent: September 7, 2023 1:29 PM
To: Lloyd-Ellis, Owen
Subject: RE: TSSA Confirmation Request for Properties Surrounding 30 Cleary Ave

Follow Up Flag: Follow up
Flag Status: Flagged

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).

Accessing the applications

1. Click Release of Public Information - TSSA and click "need a copy of a document"
2. Select the appropriate application, download it, complete it in full and save it (Note: you will have to upload the application)
3. Proceed to page 3 of the application and click the "TSSA Service Prepayment Portal" link under payment options (the link will take you the secure site where you can pay for the request via credit card)

Accessing the Service Prepayment Portal

1. Select new or existing customer (*if you are an existing customer, you will need your account number & postal code to access your account)
2. Under "Program Area" select Public Information and click continue
3. Enter application form number (found on the bottom left corner of the application form) and click continue
4. Complete the primary contact information section
5. Complete the fee section
6. Upload your completed application
7. Upload supporting documents (if required) and click continue

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.

Warm regards,

**Kimberly Gage | Public Information Agent**
Legal
345 Carlingview Drive
Toronto, Ontario M9W 6N9
Tel: +1 416-734-3348 | Fax: +1 416-734-3568 | E-Mail: kgage@tssa.org
www.tssa.org

***Winner of 2022 5-Star Safety Cultures Award***

From: Lloyd-Ellis, Owen <Owen.Lloyd-Ellis@wsp.com>
Sent: Thursday, September 7, 2023 1:00 PM
To: Public Information Services <publicinformationservices@tssa.org>
Subject: TSSA Confirmation Request for Properties Surrounding 30 Cleary Ave

Please perform a TSSA database search for any underground storage tanks, registered fuel tanks, outstanding instructions, incident reports, fuel oil spills, or contaminations records for the following properties located at:

20 Cleary Ave, Ottawa, ON, K2A4A1
30 Cleary Ave, Ottawa, ON, K2A4A1
40 Cleary Ave, Ottawa, ON, K2A4A1
75 Cleary Ave, Ottawa, ON, K2A1R8
773 Richmond Rd, Ottawa, ON, K2A1R8
775 Richmond Rd, Ottawa, ON, K2A1R8
777 Richmond Rd, Ottawa, ON, K2A1R8
797 Richmond Rd, Ottawa, ON, K2A0G7
801 Richmond Rd, Ottawa, ON, K2A0G7
803 Richmond Rd, Ottawa, ON, K2A0G7
809 Richmond Rd, Ottawa, ON, K2A0G7

Kindly let me know if you have any queries.

**Owen Lloyd-Ellis, BSc**
Environmental Scientist – Contaminated Sites Team
*He/him*

+1 613 698 3985

WSP Canada Inc. 1931 Robertson Road, Ottawa, Ontario, Canada, K2H 5B7

**wsp.com**



-LAEmHhHzdJzBITWfa4Hgs7pbKI

**APPENDIX D**

# Site Photographs

Photo 1 - Paved and gravel parking area, facing western Site boundary.

Photo 2 - Paved parking area, facing north.

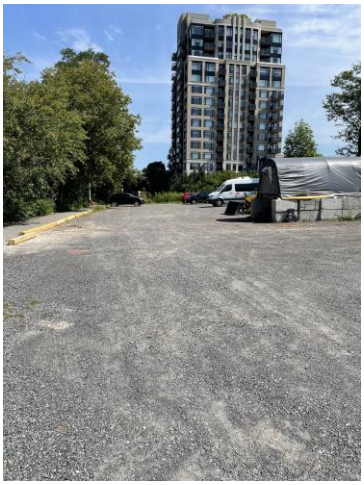


Photo 3 - Gravel parking area at southern portion of Site. Former railway corridor, facing east.

Photo 4 - Structure storing landscaping equipment. Dave Rennie's auto-repair behind, facing south.

Photo 5 - Compost bin storage, forested patch in centre of Site.

Photo 6 - Unitarian Church, part of 30 Cleary Ave property, but not included in study Property. Facing east.

Photo 7 - Unitarian house, adjacent (east) of Phase One Property. Facing east.

Photo 8 - High rise condominium east of Property. Location of former gas station.

Photo 9 - Dave Rennie's Auto-repair, taken from Richmond Road, facing north.

Photo 10 - River Parkway Children's Centre. Taken from Phase One Property, facing southwest

Photo 11 - Western Site boundary, forested area followed by residential neighourhood. Facing west.

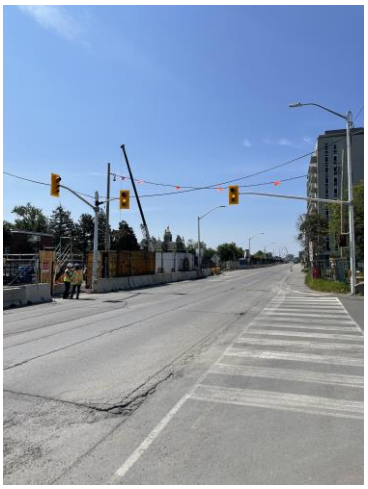


Photo 12 - Light Rail Transit construction south of Richmond Rd. Facing southwest.

wsp.com