# Phase One Environmental Site Assessment

## 3025 Albion Road North, Ottawa, ON

**Client**
Ahlul-Bayt Center Ottawa
200 Baribeau Street
Ottawa, ON K1L 7R6

**Project Number**
OTT-00246047-B0

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# Executive Summary

EXP Services Inc. (EXP) was retained by Ahlul-Bayt Center Ottawa to complete a Phase One Environmental Site Assessment (ESA) of the property at 3025 Albion Road North in Ottawa, Ontario (hereinafter referred to as the "Phase One Property" ).

The objective of the investigation was to support the filing of a Record of Site Condition (RSC) in accordance with Ontario Regulation 153/04, as amended (O.Reg.153/04).

The Phase One Property is located on the east side of Albion Road North at 3025 Albion Road in Ottawa, Ontario. The municipal address for the Phase One Property consists of three (3) parcels; however, this Phase One ESA included only Parcel 1, which is located along Albion Road North. The Phase One Property is situated within a mixed industrial and residential area of Ottawa; and, is located on the northeast corner of the intersection of Albion Road and Kitchener Avenue. At the time of the investigation, the Phase One Property was used as offices, parking areas and equipment storage warehouse for Hydro Ottawa. Refer to Figure 1 for the Site Location Plan, and Figure 2 for the Surrounding Land Use Plan.

The SPhase One Property is rectangular in shape, comprises an area of approximately 3.4 hectares (8.4 acres), and is occupied by a large office and warehouse building that was initially constructed in 1956 as an office and works yard. The Phase One Property building has two (2) stories for the office portion, and one storey in the transformer workshop, storage warehouse, former service garage, and large interior parking area. The areas surrounding the Phase One Property building consist of asphalt parking areas, gravel covered storage areas, and landscaped areas.

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by O.Reg.153/04, and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Appendix A.

Please note that general environmental management and housekeeping practices were reviewed as part of this assessment insofar as they could impact the environmental condition of the property. However, a detailed review of regulatory compliance issues was beyond the scope of our investigation. This Phase One ESA does not constitute an audit of environmental management practices, indicate geotechnical conditions or identify geologic hazards.

Based on the Phase One ESA findings, the following information is provided in Table 1-1 in support of the Phase One Qualified Person's (QP's) conclusion:

**Table EX-1: Areas of Potential Environmental Concern**

| Area of Potential Environmental Concern (APEC)[1] | Location of APEC on Phase One Property | Potentially Contaminating Activity (PCA)[2] | Location of PCA (on-Site or off-Site) | Contaminants of Potential Concern | Media Potentially Impacted (Groundwater, soil and/or sediment) |
|---|---|---|---|---|---|
| **APEC 1:** A former on-Site vehicle service garage | Northwest part of the Site building | #10 –Commercial Auto Body Shops | On-Site | Petroleum Hydrocarbon (PHC), volatile organic compounds (VOC), and metals | Soil and Groundwater |
| **APEC 2**: Potential oil spraying of the former baseball diamonds and gravel access road | Eastern and north-central portions of the Phase One Property | PCA#18- Electricity Generation, Transformation and Power Stations | On-Site | PHC and polychlorinated biphenyls (PCB) | Soil and Groundwater |
| **APEC 3:** A former underground storage tank (UST) and dispensing pumps that were removed | North of the garage area | PCA#28- Gasoline and Associated Products Storage in Fixed Tanks | On-Site | PHC and benzene, toluene, ethylbenzene, xylenes (BTEX) | Soil and Groundwater |
| **APEC 4:** Three (3) interior above ground waste oil and new oil storage tanks | South part of the Site building | PCA#28- Gasoline and Associated Products Storage in Fixed Tanks | On-Site | PHC, BTEX, and PCBs | Soil and Groundwater |
| **APEC 5:** Fill of unknown quality at the Phase One Property | Entire Phase One Property | PCA#30- Importation of Fill Material of Unknown Quality | On-Site | PHC, metals and PAHs | Soil and Groundwater |
| **APEC 6:** Storage of poles and electrical equipment along with a former PCB storage area and diesel fuel AST | Eastern property boundary of Phase One Property | PCA#18- Electricity Generation, Transformation and Power Stations | Off-Site | PHC, BTEX, metals, pentachlorophenol, PCB | Groundwater |
| **APEC 7:** Former works yard that had a PCB storage facility and underground fuel storage tanks. | Southern property boundary of Phase One Property | PCA#28- Gasoline and Associated Products Storage in Fixed Tanks | Off-Site (90 m south) | PCBs, PHCs, BTEX and metals | Groundwater |

(1) Area of Potential Environmental Concern means the area on, in or under a phase one study area where one or more contaminants are potentially present, as determined through the PI ESA, including through (a) identification of post or present uses on, in or under the phase one property, and (b) identification of potentially contaminating activities.
(2) Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D (O.Reg.153/04, as amended) that is occurring or has occurred in a phase one Study area.

Based on the findings of the Phase One ESA and conclusions, a Phase Two ESA is required to assess the soil and groundwater conditions at the Phase One Property prior to submitting a RSC.

*This executive summary is a brief synopsis of the report and should not be read in lieu of reading the report in its entirety.*

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# 1. Introduction

EXP Services Inc. (EXP) was retained by Ahlul-Bayt Center Ottawa to complete a Phase One Environmental Site Assessment (ESA) of the property at 3025 Albion Road North in Ottawa, Ontario (hereinafter referred to as the 'Phase One Property').

The objective of the investigation was to support the filing of a Record of Site Condition (RSC) in accordance with Ontario Regulation 153/04, as amended (O.Reg.153/04).

A Phase One ESA is a systematic qualitative process to assess the environmental condition of a site based on its historical and current uses. This Phase One ESA was conducted in accordance with the Phase One ESA standard as defined by O.Reg.153/04, and in accordance with generally accepted professional practices. Subject to this standard of care, EXP makes no express or implied warranties regarding its services and no third party beneficiaries are intended. Limitation of liability, scope of report and third party reliance are outlined in Appendix A.

It should be noted that the objective of this review was to identify any environmental concerns associated with the Phase One Property.

## 1.1 Phase One Property Information

The Phase One Property is a rectangular shaped parcel of land with the municipal address of 3025 Albion Road North, in Ottawa, Ontario. The Phase One Property is located on the northeast corner of the intersection of Albion Road and Kitchener Avenue. At the time of the investigation, the Phase One Property was used as offices, parking areas, and an equipment storage warehouse for Hydro Ottawa. The municipal address of the Phase One Property consists of three (3) parcels however, this Phase One ESA only included Parcel 1 which is along Albion Road North..

Details of the Phase One Property are as follows:

| | |
|---|---|
| **Municipal Address** | 3025 Albion Road North, Ottawa, Ontario |
| **Current Land Use** | Commercial |
| **Proposed Land Use** | Institutional |
| **Legal Description** | CON 4 RF W PT LOT 1 LESS RP;5R-8913 PART 3 |
| **Property Identification Number (PIN)** | 047410017 |
| **Approximate Universal Transverse Mercator (UTM) coordinates** | NAD83 18T 449081.34 m E 5024327.56 m N |
| **Accuracy Estimate of UTM** | 10-15 m |
| **Measurement Method** | Google Earth |
| **Phase One Property Area** | 3.5 hectares |
| **Property Owners, Owner Contact and Address** | Hydro Ottawa Limited<br>3025 Albion Road North., Box 8700<br>Ottawa, ON K1G 3S4 |

# 2. Scope of Investigation

The scope of work for the Phase One ESA consisted of the following activities:

- Reviewing the historical occupancy of the Phase One Property through the use of available archived and relevant municipal and business directories, fire insurance plans (FIPs), topographical maps, and aerial photographs;
- Contacting municipal and provincial agencies to determine the existence of records of environmental regulatory non-compliance, if any, and reviewing such records where available;
- Obtaining an Environmental Risk Information Services Ltd. (ERIS) report for the Phase One Property and surrounding properties within a 250 metre buffer of the Phase One Property;
- Reviewing available geological maps, well records and utility maps for the vicinity of the Phase One Property;
- Obtaining and reviewing a chain of title and assessment rolls for the Phase One Property;
- Reviewing available reports previously completed at the Phase One Property;
- Conducting interviews with designated Site representative(s) as a resource for current and historical Phase One Property information, as well as to provide EXP staff with unrestricted access to all areas of the Phase One Property and Phase One Property buildings (as required by O.Reg. 153/04, as amended);
- Conducting a site reconnaissance in order to identify any land use practices that may have impacted the environmental condition of the Phase One Property;
- Conducting a reconnaissance of the surrounding properties from the Phase One Property and publicly accessible areas in order to identify any land use practices that may have impacted the environmental condition of the Phase One Property; and,
- Preparing a report to document the findings.

The following sections summarize the information gathered by EXP during the Phase One ESA, and identifies Potentially Contaminating Activities (PCAs) on the Phase One property and in the Phase One study area, and Areas of Potential Environmental Concern (APECs) associated with the Phase One Property. APECs and PCAs are defined in Table 2 of Schedule D of O. Reg 153/04, as amended.

In completing the scope of work, EXP did not conduct any intrusive investigations, including sampling, analyses or monitoring.

EXP has confirmed neither the completeness nor the accuracy of any of the records that were obtained or any of the statements made by others.

EXP personnel who conducted assessment work for this project included Mark McCalla, B.Sc., P. Geo. ($QP_{ESA}$) and Robert Renaud M.Sc., P. Geo. ($QP_{ESA}$). An outline of their qualifications is provided in Appendix C.

# 3. Records Review

## 3.1 General

### 3.1.1 Phase One Study Area Determination

The Phase One Property is located on the east side of Albion Road North at 3025 Albion Road, Ottawa (Figure 1). The Phase One Study Area consists of neighboring properties within a distance of 250 metres from the Phase One Property boundaries (Figure 2). The Phase One Study Area is bound by residential properties to the north and west, the remainder of the Hydro Ottawa works yard and open space to the east, and a railroad line to the south.

The Phase One Study Area and a Surrounding Land Use Plan are shown on Figure 2.

### 3.1.2 First Developed Use Determination

Based on a review of historical aerial photographs, chain of title information, historical maps, and other records, the Phase One Property was first developed for commercial use in 1956 with the development of the current Phase One Property building in the west half of the Phase One Property.

### 3.1.3 Fire Insurance Plans

A request for file search was submitted to CGI (formerly Insurers' Advisory Organisation) for fire insurance plans (FIPs) covering the Phase One Property and/or lands located within the Phase One Study Area. After a search of their files, fire insurance plans (FIPs) were not found available for the Phase One Property. However, a site report was available for the western part of the property and is described below.

- A former 4,550 litre UST used to store gasoline was connected to a pump used for re-fuelling of vehicles, located near the northwest corner of the Site building. It had protection from vehicle impact. The former presence of this tank and dispensing equipment is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks.
- An exterior propane storage tank (4550 L). This is not an environmental concern.
- An off-site (30 m east) 743 $m^2$ detached PCB storage building built in 1989 is used for storing PCB filled transformers and containers of PCB oils.
- An AST (910 L) used to store diesel fuel for a back-up generator was located just west of the loading dock in the south-central part of the building. The presence of this tank is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks.

### 3.1.4 Chain of Title

The chain of titles for Phase One Property were completed by Read Abstracts, an independent title searcher.

The legal description for the Phase One Property is Part of Lot 1, Concession 4 RF Gloucester, and the PIN is 04741-0017.

Below is a list of the previous owners and lessors:

- The Phase One Property was Crown land until 1878.
- Owned by John Goyle 1878-1886.

- Owned by John O'Leary 1886-1899.
- Owned by Thomas Blair 1899 -1903.
- Owned by George Blair 1903-1905.
- Owned by William Crawford 1905-1910.
- Owned by Thomas Crawford 1910-1948.
- Owned by the King 1948-1953.
- Part of the site was sold to Aero Sales Engineering Ltd. in 1953 -1954.
- Owned by the City of Ottawa (The Hydro Electric Commission) 1954 - Present.

No PCAs were evident based on the Phase One Property ownership history.

### 3.1.5 Environmental Reports

The following environmental reports were available for review with respect to the Phase One Property. The previous environmental investigations are summarized below.

- *Phase I Environmental Site Assessment, 3025 Albion Road, Ottawa, Ontario,* September 2008, prepared for Hydro Ottawa Limited, by Trow Associates Inc., (former identity of EXP Services Inc.).

The building was constructed in 1956 and had been used by Hydro Ottawa since that time. A former underground storage tank (UST) and pump island were identified near the northwest corner of the building. The following reports were also summarized in this report, and may correspond to areas both on-site (Parcel 1), and on adjacent properties to the east (Parcel 2 and Parcel 3), or other neighbouring properties.

In 2001, Oliver, Mangione, McCalla & Associates, a division of Trow Consulting Engineers Limited (now EXP) assessed the potential for PCB impact from the PCB storage facility located 50 m east of the Phase One Property. The report was entitled, "*Delisting of PCB Storage Facility 3025 Albion Road, Ottawa, Ontario",* dated February 23, 2001 and was intended for the use of delisting the neighbouring site from the Ontario Ministry of Environment (MOE) inventory of PCB storage facilities. Soil sampling was conducted in the interior of the structure where PCB materials were kept in a containment area consisting of a series of six (6) containment bunker partitions. A large steel bin was also used for PCB storage. The initial sampling event found that PCB concentrations exceeded the provincial criteria in the containment area. Sanexen Environmental Services Inc. was commissioned to clean up the containment area and the area around the steel bin. A Certificate of Destruction/Removal manifest was attained by Trow confirming that Bovar Waste Management dismantled the PCB storage site.

A Limited Phase II ESA was completed 50 m east of the Phase One Property by Trow, dated January 1999, which consisted of drilling four (4) boreholes, installing three (3) monitoring wells and excavating thirteen (13) test pits in the off-Site PCB storage area, the former and current pole storage areas, the transformer substation, the personnel training area, and the transformer storage area. Borehole BH1 was located east of the PCB storage building to verify if there was any soil and groundwater impact. Borehole BH2 was located in the former pole storage area to verify if there was impact from the past practice of pole storage and dust suppression. Borehole BH3 was located in the vicinity of the transformer substation, and borehole BH4 was located in the current pole storage area. Monitoring wells were installed in boreholes BH 1, BH2 and BH4. The pole storage area showed signs of soil contamination so further investigation was recommended.

A Phase II ESA was conducted 50 m east of the Phase One Property by Trow entitled *Ottawa Hydro/Training Yard Subsurface Investigation* dated July 22, 1999. The purpose of the investigation was to further assess odours and previously identified ground contamination from a treated lumber pile (hydro poles), identified during the Limited Phase II ESA completed January 1999. The report concluded that the air quality at the property boundary was acceptable in comparison with recommended provincial criteria. The report also concluded that the soil and groundwater regimes underlying the site were found to be acceptable, with the exception of the training area. The training area was used as a waste container disposal area in the 1970s in accordance with the accepted practice of the day. Pentachlorophenol-impacted soil was found there and believed to be the result of waste containers of pentachlorophenol which were discovered to be buried in the area. Impacted soil was estimated to be in the range of 100 to 200 $m^3$ and was removed as recommended. Impacted groundwater in excess of the provincial criteria was not migrating beyond the property boundaries at the time.

The building on the Phase One Property has a history of asbestos. Trow was involved in asbestos abatement programs in 1999, 2000 and 2002. Trow completed a Designated Substance Survey (DSS) at the Phase One Property in 2002. The report concluded that Hydro Ottawa had an Asbestos Abatement Program to deal with asbestos containing materials (ACM) that remained in the building. Some amounts of lead paint were found in areas of the penthouse fans and Garage A. Caution was given if renovation or demolition occurred in those areas.

- *Phase II ESA, Ellwood MTS, 3025 Albion Road North, Ottawa, Ontario,* May, 2008 by Trow Associates Inc., (former identity of EXP).

The Phase II ESA was conducted 50 m east of the Phase One Property in the materials storage area to identify any potential adverse environmental impacts prior to a construction of a hydro substation which was to augment the existing substation. Based on use of the site, there was a strong possibility that transformer oil, possibly containing PCB's, would be present on the eastern portion of that site. There was also a possibility that wood preservatives had been released to the ground during historic storage of hydro poles. The contaminants of concern (COC) related to pole storage at the site were creosote, pentachlorophenol, copper, chromium and arsenic. The COC related to transformer storage at that site were polychlorinated biphenyls (PCB), petroleum hydrocarbons (PHC), polycyclic aromatic hydrocarbons (PAH), volatile organic compounds (VOC) and metals. The COC related to fill quality at that site were PAH, metals and PHC. Due to the historical storage practices in the eastern part of that site, the used transformers and hydro poles were stored in an organized fashion but in random locations on that site. It was recommended that a Phase II ESA be completed on the east half of that site to determine the quality of the fill and determine if the subsurface had been impacted from minor spills due to transformer and pole storage. The Phase II ESA consisted of drilling nine (9) boreholes and completing three (3) boreholes as monitoring wells. Up to 1.5 m of silty sand and gravel fill was identified in the boreholes (PCA#30-Importation of Fill Material of Unknown Quality). Soil and groundwater samples were collected and submitted for laboratory analysis of the above-noted COCs. The results indicated that the soil and groundwater quality at that site satisfied the provincial criteria and no further environmental work was recommended for that site.

- *Phase II ESA 3025 Albion Road North, Ottawa, Ontario,* December, 2015 by EXP Services Inc.

The Phase II ESA was completed for due diligence purposes and consisted of drilling eleven (11) exterior boreholes across the Phase One Property and completing six (6) of them (MW15-5, MW15-6, and MW15-8 to MW15-11) as monitoring wells. Soil and groundwater samples were collected and submitted for laboratory analysis of metals, pentachlorophenol (PCP), PHC, PCB, and/or VOC.

A layer of grey gravel (crushed stone) fill was encountered in each of the boreholes below the asphalt and concrete. Below the fill was a brown silty sand with a thickness that ranged from 0.9 m to 2.8 m in BH311.

Below the silty sand was grey silty clay to the maximum depth drilled of 6.1 m. A slight petroleum odour was observed in the silty sand in MW306 and black staining was observed in the silty sand in MW311. No other indications of impact to soil were observed. Bedrock was not observed during drilling.

Groundwater was encountered at depths ranging from 1.19 m in MW307 to 3.19 m in MW308. No petroleum sheens were observed in the monitoring wells during the sampling event. Based on the water levels measured on November 4, 2015, the principal direction of groundwater flow in the overburden materials was to the west. No petroleum sheens were observed in the monitoring wells during the sampling event.

The concentrations of PHC, BTEX, and PCB measured in the analyzed soil samples were generally less than the MECP 2011 Table 3 site condition standards (SCS), with the exception of the soil sample from MW306 that was collected from a depth of 0.3 m to 1.5 m. This sample had concentrations of benzene, ethylbenzene, xylenes and PHC F1 that exceeded the MECP 2011 Table 3 SCS. This borehole is located at the former location of the pump island and UST at the northwest corner of the building. The concentrations of the analyzed metals were less than the MECP 2011 Table 3 SCS, with the exception of cyanide (0.06 ug/g) in the soil sample collected from a depth of 0.3 m to 1.5 m in MW307 which slightly exceeded the MECP Table 3 criteria of 0.051 ug/g. This borehole is located near the north part of the garage in the northwest part of the building and it is assumed that the cyanide impact is limited in extent.

The concentrations of PHC, VOC, metals, and PCB measured in the analyzed groundwater samples were generally less than the laboratory detection limits and were less than the MECP 2011 Table 3 SCS.

The only location where impacted soil was found was at MW306, which had PHC impacted soil. This borehole is located at the former location of the pump island and gasoline UST at the northwest corner of the building. The gasoline impact to soil was not identified in MW307, located within the building to the south but was undelineated to the east, west, and north. It was recommended that the impacted soil in this area be delineated.

- *Phase III ESA 3025 Albion Road, Ottawa, Ontario,* February 21, 2018 by Enviro-Experts.

The Phase III ESA consisted of drilling twelve (12) boreholes on the Phase One Property and completing three (3) of them (MW1, MW2, and MW3) as monitoring wells. This was done to delineate the previously identified petroleum impacted soil in the northwest part of the Phase One Property. Soil and groundwater samples were submitted for laboratory analysis of metals, PHC, PCBs, and VOC. The soil results showed that the only exceedance was the soil sample from the former UST and pump island location which had concentrations of PHC and BTEX that exceeded the provincial standards. The groundwater at this location was not impacted. The concentrations of two (2) PAH parameters (benzo(g,h,i)perylene and indeno(1,2,3-sd)pyrene) had detection limits that exceeded the provincial standards in MW1 and MW2.

Additional groundwater samples were collected from MW1 and MW2 by EXP in April 2018 and were found to have non-detectable concentrations of PAHs that were less than the provincial standards.

Previous reports by Trow (now EXP) completed on the NCC property 90 m to the south were also reviewed. Soil and groundwater contamination were identified and remediation activities had been completed on that site. In each case, contamination was localized and off-site migration of contaminants was not occurring.

The review of previous reports identified the following issues of potential environmental concern that are associated with PCAs as per Table 2, Schedule D of O.Reg.153/04;

- A former on-site vehicle service garage in the north part of the building is associated with PCA#10-Commercial Autobody Shops.

- A former underground storage tank (UST) and pump island were identified near the northwest corner of the is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks.
- Fill is likely to have been brought on to the Phase One Property during site construction in 1956. This aspect is associated with PCA#30-Importation of Fill Material of Unknown Quality.
- The off-site property to the east is an operating hydro station and is associated with PCA#18-Electricity Generation, Transformation and Power Stations.
- Former off-site works yard (90 m south) that had a PCB storage facility and underground fuel storage tanks. This aspect is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks.

## 3.2 Environmental Source Information

### 3.2.1 Federal and Provincial Database Search

A search of provincial, federal and private environmental databases for records pertaining to the Phase One Property and properties within the Phase One Study Area was conducted by Environmental Risk Information Services (ERIS). EXP has confirmed neither the completeness nor the accuracy of the records that were provided. A copy of the ERIS database report is provided in Appendix E. A summary of the significant findings is provided below.

| Address | Description | Database | Associated PCA(s) |
|---|---|---|---|
| **Site** | | | |
| Northwest portion of Phase One Property, adjacent to Phase One Property boundary | A former gasoline UST is located at a private fuel outlet with a total capacity of 22,730 L registered in 1989. This has reportedly been removed, though no supporting documentation was made available to confirm this. | FSTH/FST | PCA#28-Gasoline and Associated Products Storage in Fixed Tanks |
| Phase One Property | Certificate of Approval (air) 2006 to 2010. Based on the review of these records no other information of environmental significance was identified. | CA | |
| | | | |
| Phase One Property | Ontario Regulation 347 waste generator approvals from 1986 to 2017 for waste oils and lubricants, aromatic solvents, petroleum distillates, oil skimming and sludges, inorganic laboratory chemicals, halogenated pesticides, PCB's, paint/pigment/coating residues, aliphatic solvents, light fuels, alkaline wastes – other metals, other specified organics, and waste compressed gasses. These registries show that housekeeping practices were being exercised on the Phase One Property and what potential contamination may or may not be present on the Phase One Property. | GEN | PCA#27-Garages, and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles |

| Address | Description | Database | Associated PCA(s) |
|---|---|---|---|
| **Surrounding Properties** | | | |
| 2035 Albion Road North (50 m east) | PCB storage inventory had the neighbouring site to the east registered as a PCB storage area by the MOE from 1990 to 2008. | NPCB/OPCB /REC | PCA#55-Transformer Manufacturing, Processing and Use |
| 1455 Heatherington Road (50 m northeast) | Registered as a generator of pathological wastes. | GEN | None |
| 3091 Albion Road North (90 m south) | Registered in Environmental Activity and Sector Registry of the MOECC as an automotive refinishing facility. Also listed as having an Environmental Compliance Approval for a sewage works.<br>Listed as having USTs at a private fuel outlet with a total capacity of 68,100 L registered in 1991.<br>Registered from 1986 to 2017 as a generator of paint/pigment/coating residues, waste oils and lubricants, aromatic solvents, light fuels, acid wastes – heavy metals and other metals.<br>PCB storage inventory had a registered PCB storage facility from 1989 to 2008. | EASR/ECA /FST/FSTH /PRT/NPCB /REC/SCT | PCA#27-Garages, and Maintenance and Repair of Railcars, Marine Vehicles and Aviation Vehicles<br>PCA#28- Gasoline and Associated Products Storage in Fixed Tanks<br>PCA#55-Transformer Manufacturing, Processing and Use |

**Databases:**

GEN – Ontario Regulation 347 Waste Generators Summary
PRT – Private and Retail Fuel Storage Tanks
FST – Fuel Storage Tank
FSTH – Fuel Storage Tank – Historic
EASR – Environmental Activity and Sector Registry
ECA- Environmental Compliance Approval
REC- Ontario Regulation 347 Waste Receivers Summary
NPCB – National PCB Inventory
OPCB – Inventory of PCB Storage Sites
SCT – Scott's Manufacturing Directory

### 3.2.2 Municipal Records

#### 3.2.2.1 Municipal Directories

EXP reviewed city directories dating from 1961 to 2011 from an ERIS search of Vernon's Ottawa directories in order to identify the occupancy history of the Phase One Property and neighbouring properties for potential environmental concerns. A copy of the directory search is included in Appendix D.

A summary of the city directory review completed by EXP is as follows.

- The Phase One Property was first listed in the reviewed city directories in 1970. It was not listed in 1965.
- Most of the Phase One Study Area was developed for residential use. Commercial developments were located on thesite to the east and to the south, across 90 m of vacant land.

| Address | Tenant | Years of occupancy | Associated PCA |
|---|---|---|---|
| 3025 Albion Road North<br>(Phase One Property) | Hydro Ottawa Limited | 1956 to present | PCA#28-Gasoline and Associated Products Storage in Fixed Tanks;<br>PCA#10 Commercial Autobody Shop; PCA#18- Electricity Generation, Transformation and Power Stations. |
| 3091 Albion Road North<br>(90 m south) | National Capital Commission, former USTs, PCB storage facility<br>Multi-tenant commercial (Raymond Roofing, Twin Equipment, etc. | Pre-1970 to 1984<br>1992 to present | PCA#28-Gasoline and Associated Products Storage in Fixed Tanks;<br>PCA#55-Transformer Manufacturing, Processing and Use. |

### 3.2.3 Ontario Ministry of the Environment Records

#### 3.2.3.1 Ministry of the Environment, Conservation, and Parks (MECP)

The MECP was contacted through the Freedom of Information and Protection of Privacy Act (FOI) for copies of any records they had pertaining to the Phase One Property on May 10, 2018.

A written response from the MECP typically requires several months. If upon receipt of the response from the MECP, any significant environmental issues are identified, EXP will forward their response to the Client as an addendum to this report.

A copy of the request is included in Appendix G.

#### 3.2.3.2 Ministry of the Environment (MOE) Databases

The ERIS report database summarized in the Federal and Provincial Database Search section of the report included a summary of MOE databases (see section 3.2.1). The databases include the following: MOE Environmental Bill of Rights (EBR), MOE Brownfields Environmental Site Registry, MOE Hazardous Waste Information Network (HWIN), MOE Waste Disposal Sites).

### 3.2.4 Technical Standards and Safety Authority

A request was made to the TSSA by email on September 25, 2018 for information regarding fuel storage at the Phase One Property and adjacent properties. A copy of the TSSA request and response is provided in Appendix G. In the email response, dated September 26, 2018, the TSSA indicated that there were three records of fuel storage at the Phase One Property. According to the TSSA, the Phase One Property, had record of one (1) gasoline UST and a self serve private fuel outlet. These are associated with PCA#28 – Gasoline and Associated Products Storage in Fixed Tanks.

## 3.3 Physical Setting Sources

### 3.3.1 Aerial Photographs

Aerial photographs were obtained in order to review the development and land use history of the Phase One Property, as well as to the land in the immediate vicinity of the Phase One Property. Aerial photographs

dated 1950, 1954, 1958, 1970, 1979, and 1989 were obtained from the national air photo library, and 1965, 1976, 1991, 1999, 2002, 2005, and 2017 were obtained from geoOttawa.

The development and land use history of the Phase One Property and adjacent properties as depicted on the reviewed aerial photography is summarized in Table 3-1. Copies of the aerial photographs are included in Appendix H.

**Table 3-1: Aerial Photograph Observations**

| Aerial Photograph Year | Observations |
|---|---|
| 1950 | • The Phase One Property and surrounding area were used as agricultural lands.<br>• There are two (2) farm houses to the north and south of the Phase One Property.<br>• The railway lines to the south have not yet been constructed. |
| 1954 | • The on-site building is under construction.<br>• Kitchener Avenue and Albion Road are present with vacant lands mostly surrounding the Phase One Property, with the exception of a farm north of the Phase One Property.<br>• The railway lines to the south are being constructed.<br>• No other significant changes were observed at the Phase One Property, or within the Phase One Study Area. |
| 1958 | • Hydro Ottawa, along with the NCC property and railway lines are seen on the photo.<br>• Storage of utility poles can be seen on the property to the east.<br>• The neighbouring properties to the north and west are vacant.<br>• No other significant changes were observed. |
| 1965 | • A baseball diamond is seen in the northeast corner of the Phase One Property.<br>• The hydro works yard is visible to the east of the baseball diamond.<br>• No significant changes were observed in the Phase One Study Area. |
| 1976 | • The baseball diamond has been replaced by a paved parking lot.<br>• There is a highrise apartment building and associated parking just north of the west part of the Phase One Property and townhomes constructed north of the east parking lot area.<br>• No other significant changes were observed in the Phase One Study Area. |
| 1991 | • A new off-site building has been constructed near the east property line.<br>• No other significant changes were observed in the Phase One Study Area. |
| 2002 | • No significant changes were observed in the Phase One Study Area. |
| 2005 | • Residential townhomes along with a storm water management pond constructed across Albion Road North.<br>• No other significant changes were observed between the 2002 and 2008 aerial photographs. |
| 2017 | • No significant changes were observed in the Phase One Study Area. |

Based on the review of the aerial photography, the following PCAs were identified;

- The Phase One Property and neighbouring site to the east are used as a hydro station and equipment storage yard. This aspect is associated with PCA#18-Electricity Generation, Transformation and Power Stations.

### 3.3.2 Topography, Hydrology and Geology

The following information sources were reviewed to determine the nature of the subsurface materials at the Phase One Property:

- *Bedrock Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.
- *Surficial Geology of Southern Ontario* – Ontario Geological Survey. Scale 1:50,000. Electronic resource Issued 2003.

Based on local mapping, beneath any fill, the surficial geology of the Phase One Property is characterised by silt and clay. The bedrock geology underlying the subject Phase One Property consists of shale and limestone of the Carlsbad Formation. Local borehole data identify a layer of clay over glacial till over limestone bedrock.

The Phase One Property and surrounding topography is relatively flat. The local groundwater flow direction is likely to the west towards the Rideau River located approximately 3 km west.

### 3.3.3 Fill Materials

Fill material is typically brought to a property as a base for buildings and pavement areas. Fill can also be used to re-grade a property and to backfill excavations.

Based on a review of historical information, the Phase One Property has been occupied by a building and associated parking lot since 1956. During this time, fill material was likely imported to the Phase One Property to construct the parking lot and access roads. The importation of fill material is associated with PCA#30-Importation of Fill Material of Unknown Quality.

### 3.3.4 Water Bodies and Areas of Natural Significance

The closest body of water is Sawmill Creek located approximately 0.75 km west of the Phase One Property. No other areas of natural significance are present in the Phase One Study Area.

### 3.3.5 Well Records

#### 3.3.5.1 Water Wells

A search of the water well database was conducted by ERIS to identify water wells within the Phase One Study Area.

Based on the records provided by ERIS, five (5) wells were located on the Phase One Property. Information from the records review are summarized in Section 3.2.1.

Seven (7) additional monitoring wells were located in the Phase One Study Area. The review of these records did not provide any information of environmental significance as it would relate to the Phase One Property. The depth to bedrock was found at 11.2 m.

#### 3.3.5.2 Oil, Gas, and Salt Wells

A search of the Oil, Gas & Salt Resources Library (2014) website was completed to identify oil, gas and salt wells within the vicinity of the Phase One Property on May 11, 2018. The search of the website indicated there was no oil, gas or salt wells at the Phase One Property or within the Phase One Study Area.

## 3.4 Site Operating Records

In general, a request is usually made to the property representative for copies of any operating records pertaining to the environmental conditions at the Phase One Property. Records would include: regulatory permits; Material Safety Data Sheets (MSDS) for all chemicals that were handled on the Phase One Property; underground utility drawings; inventories of chemicals, chemical usage, and chemical storage areas; inventory of aboveground storage tanks (ASTs) and underground storage tanks (USTs); environmental monitoring data; correspondence pertaining to an order or request by the MOE or TSSA; waste management records; process, production, and maintenance documents; records of spills and records of discharges of chemicals; emergency response and contingency plans, including spill prevention and contingency plans; environmental audit reports; and site plans of the facility showing areas of production and manufacturing.

EXP reviewed the available information listed above, which included several MECP Certificates of Approval (CofA) for discharge to air from 2006 to 2008.

Based on the review, five (5) fumehoods were identified within the building, a warming box, a 2,000 litre above ground diesel storage tank (off-site to west), a 25,000 L gasoline UST (removed in 2008), a 400 L diesel storage tank for an emergency generator near the loading dock, and gas fired heating appliances. Approximately 4,400 tonnes of petroleum waste were disposed of by licensed contractors. Approximately 158 tonnes of solid PCBs and 18 tonnes of liquid PCBs were disposed of by licensed contractors. The petroleum and PCB waste is generated when the transformers are processed near the loading dock (PCA#28- Gasoline and Associated Products Storage in Fixed Tanks).

An Asbestos Management Program Update by EXP from March 2012 was reviewed. Asbestos was identified in some plaster ceilings on the first and second floors, air cell pipe wrap in the warehouse and a fan coupling on the third floor. Asbestos wall board was also confirmed on the exterior of extended height elevator hallway. The Phase One Property operating records are found in Appendix G.

# 4. Interviews

Interviews were conducted by EXP staff with the individuals identified to be the most knowledgeable with respect to both the current and historical Phase One Property uses. The interviews were conducted during the Phase One Property reconnaissance in order to obtain information to assist in identifying details of potentially contaminating activities, potential contaminant pathways in, on, or below the Phase One Property, and areas of potential environmental concern. Any information provided during the interviews is presented alongside information from the Phase One Property reconnaissance in Section 5.

During the completion of this Phase One ESA, the following individual was interviewed:

- Mr. Paul Labrosse, a facilities manager with Hydro Ottawa Limited provided information during the site visit on June 6, 2018 including information regarding historic and current operations, and adjacent property users.

Mr. Labrosse confirmed that there were no orders charged to the Phase One Property by municipal or provincial agencies. He was aware of environmental concerns at the Phase One Property such as the former UST located in the northwest part of the Phase One Property. To his knowledge, there have not been significant spills or releases of chemicals at the Phase One Property. He was not aware of any environmental compliance approvals for air or sewage.

# 5. Site Reconnaissance

## 5.1 General Requirements

The Phase One ESA Site reconnaissance was conducted on May 23 and June 6, 2018 by Mr. Mark McCalla, a Qualified Person as defined by O.Reg. 153/04, as amended. On the day of the Site reconnaissance, the weather was cloudy and approximately 15 $^{o}$C.

The Phase One Property and the adjoining properties were observed from the Phase One Property and/or publicly accessible areas. Photographs documenting the Site visit are included in Appendix I.

## 5.2 Specific Observations at Phase One ESA Property

### 5.2.1 Site Description and Buildings

At the time of the site visit, there was a main building on the west side of the subject Phase One Property with offices as well as a vehicle storage garage and equipment storage and workshop facility. The east portion of the Phase One Property is a parking lot. To the east of the parking lot, is an off-site fenced in transformer storage area, hydro substation with storage sheds and exterior storage of materials.

### 5.2.2 Heating and Cooling Systems

The building is presently serviced by some natural gas fired radiant heaters in the garage, and roof mounted HVAC systems for the remainder of the building.

### 5.2.3 Site Utilities and Services

The Phase One Property was fully serviced with water and sewer, hydro, Bell, and natural gas at the time of the site visit.

### 5.2.4 Sewage and Wastewater Disposal

The Phase One Property and surrounding area is serviced by municipal sanitary and storm sewer systems.

### 5.2.5 Potable Water Sources

The Phase One Study Area is provided with a municipal water source.

### 5.2.6 Abandoned and Existing Wells

Observations wells from former environmental investigations (see Section 3.1.5) were observed on the Phase One Property. The wells were observed to be in good condition, and were not identified as an issue of environmental concern to the Phase One Property. The wells observed at the time of the site visit are shown on Figure 3.

### 5.2.7 Site Production and Manufacturing

There are no on-site production or manufacturing activities.

### 5.2.8 Drains, Pits and Sumps

There were no pits or lagoons observed on the site at the time of the site visit. In 2005, a contractor oversaw the removal of two in-ground hydraulic hoists and their associated piston pits within the old garage bay in the western section of what is now the vehicle storage area. These former pits were reportedly remediated to meet environmental guidelines, though no supporting documentation was made available. Monitoring wells (MW307 and MW308) were installed at these locations in 2015 to assess the soil and groundwater conditions.

Grit chambers were present in the southeast part of the Phase One Property building. These are pumped out on a monthly basis by a licensed waste contractor.

No other drains, pits or sumps were observed at the Phase One Property at the time of the site visit.

### 5.2.9 Storage Tanks

During the site inspection and interviews, the presence/absence and condition (if present) of USTs and ASTs at the Phase One Property was assessed. There was no evidence observed at the Phase One Property that suggested that there was a UST presently on the subject Phase One Property. It was however reported that a former UST and surrounding soil, located outside the northwest corner of the building, had been previously removed. A report documenting the removal and subsequent confirmatory soil sampling was not available for review. Therefore, it is unknown if residual subsurface petroleum contamination is present at this location. This is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks. As mentioned in Section 3.1.5, boreholes and monitoring wells have been installed in this area to assess the soil and groundwater conditions.

Within the building, the back-up generator has an associated 2,460 L double-walled diesel AST which was installed in 2010. No staining was observed in its vicinity and it was in good condition. This aspect is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks.

Two (2) large plastic holding tanks were observed in the transformer workshop area, north of the loading dock. These are within the workshops spill retaining wall and are used for the collection of waste transformer oil. The oil is tested and if it contains PCBs, then it is transferred to the PCB storage area located approximately 20 m east of the Phase One Property. If the oil is not PCB containing, the waste transformer oil is collected by a contractor on a regular basis. This aspect is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks.

A large grease trap “tank” associated with the building’s kitchen was observed to be in good condition, and is regularly emptied by a licensed contractor.

A double-walled diesel aboveground storage tank was observed at the neighbouring site to the east, approximately 60 m east of the property line. This is a leased 1,345 L tank equipped with a hand pump which contains coloured diesel used for refueling equipment. This aspect is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks.

### 5.2.10 Water Wells

No abandoned or existing potable water wells were observed on the Phase One Property during the site visit. Several monitoring wells were observed on the Phase One Property and are shown on Figure 3.

### 5.2.11 Site Housekeeping

Site housekeeping was very good with no visible debris or waste observed on the Phase One Property

### 5.2.12 Chemical Storage and Handling and Floor Condition

Small quantities of chemicals were observed within the Phase One Property building. These were all stored in appropriate chemical storage cabinets.

### 5.2.13 Areas of Stained Soil, Pavement or Stressed Vegetation

No areas of staining or stressed vegetation were observed at the time of the site visit.

### 5.2.14 Fill and Debris

At the time of the site visit, no signs of fill or debris were observed. Based on previous environmental work conducted at the Phase One Property, there is up to 1.5 m of silty sand and gravel fill present on the Phase One Property. This is associated with PCA#30-Importation of Fill Material of Unknown Quality.

### 5.2.15 Air Emissions

Air emissions in Ontario are regulated under the Environmental Protection Act (EPA) and its Regulations (O.Reg. 419/05, O.Reg. 245/11). Owners and operators of activities that may discharge a contaminant into the natural environment must seek approval from the Ministry of the Environment (ministry) to carry out these activities. As of October 31, 2011 amendments to the EPA resulted in a two path environmental approval process, the Environmental Compliance Approval (ECA) and Environmental Activity and Sector Registry (EASR). The EASR allows businesses to register certain activities with the ministry, rather than apply for approvals. The EASR is for common systems and processes, currently for heating systems, standby power systems and automotive refinishing, to which preset rules of operation can be applied. Unless explicitly exempted, most industrial processes or modification to industrial processes and equipment require an ECA, formerly a Certificate of Approval (Air and Noise). Retroactive approval should be sought for equipment installed and unchanged between 1972 and June 29th, 1988 when the requirement for a Certificate of Approval was added to the EPA. The EPA provides a list of specific equipment and conditions, which are exempt from approval requirements (i.e. fuel burning equipment for comfort heating in a building using natural gas or number 2 fuel oil at a rate of less than 1.5 million British Thermal Units per hour [BTU/hour]).

No active air emissions were observed.

### 5.2.16 Special Attention Items, Hazardous Building Materials and Designated Substances

#### 5.2.16.1 Asbestos

Asbestos-containing materials (ACMs) are fibrous hydrated silicates, and can be found in building materials as either "unbound" or "bound" asbestos. Friable asbestos refers to materials where the asbestos fibres can be separated from the material with which it is associated. Non-Friable asbestos refers to asbestos, which is associated with a binding agent (such as tar or cement). Friable asbestos is commonly found in boiler and pipe insulation. Non-Friable asbestos is typically found in roofing tars, floor and ceiling tiles, and asbestos-containing cement.

ACMs in the workplace are defined as a Designated Substance under the Ontario Occupational Health and Safety Act (OHSA). Under OHSA, persons in the workplace are required to be notified of the presence of ACMs once they are suspected to be present, and if there is a potential for workers to be exposed. The use of ACMs was discontinued in Canada in the late 1970s/early 1980s, although non-friable asbestos can still be found in recently constructed buildings.

In April 2016, EXP completed a Designated Substances Survey (DSS) of the Phase One Property building. Friable asbestos was identified in ceiling materials, plaster, and pipe insulation. Non- friable asbestos was identified in transite boards on the walls in the crane bay and floor tiles on the second and third floors. It was recommended that the ACMs be removed if they are to be disturbed.

#### 5.2.16.2 Lead

Lead has frequently been used in oil-based paints, roofing materials, cornices, tank linings, electrical conduits and soft solders for tinplate and plumbing. The use of lead based paints (LBPs) was phased out circa 1976. Paint that was produced or used between 1976 and 1980 may contain small amounts of lead. Paint that was produced or used prior to 1950 may contain high levels of lead. The main concern regarding lead paint is its potential to become lead dust or chips either through deterioration and/or mechanical means (i.e., sanding, abrasion, etc.). Exposure to lead dust or chips occurs by ingestion or inhalation.

In 2016, EXP completed a DSS of the Phase One Property building. Based on lead testing, six paints were determined to be lead-based. Recommendations were given regarding the lead-based paints.

#### 5.2.16.3 Mercury

Mercury could be found in some batteries, light bulbs, old paints, thermostats, old mirrors, etc. Based on an investigation by Consumer and Corporate Affairs Canada, and an assessment of potential health risks by Health and Welfare Canada, in 1991 the decision was made to eliminate the use of mercury compounds in indoor latex paints. The Canadian Paint and Coatings Association (CPCA) supported the withdrawal and all Canadian light tubes and several mercury thermostats were observed within the office building.

#### 5.2.16.4 Polychlorinated Biphenyls (PCBs)

The manufacture of PCBs in North America was prohibited under the Toxic Substances Control Act (1977). Their use as a constituent of new products manufactured in or imported into Canada was prohibited by regulations in 1977 and 1980. As such, sites developed or significantly renovated after 1980 are unlikely to have PCBs-containing equipment on the Phase One Property. Potential equipment, which could contain PCBs include fluorescent mercury and sodium vapour light ballasts, oil filled capacitors and transformers. Any electrical equipment containing PCBs must be disposed in accordance with Ontario Regulation 362 when it is removed from service. Ongoing operation of equipment containing PCBs is permissible.

A review of the Phase One Property was conducted to evaluate the potential presence of PCBs-containing equipment in use or stored at the Phase One Property.

Given that the neighbouring site to the east is used to store electrical transformers, it is a likely that PCB contamination has occurred on the that site. The PCB storage facility located on the western portion of the neighbouring site was decommissioned in 2001. Waste oil from the transformers is now collected in drums just south of the former PCB storage facility on that site.

Generally, a transformer will be brought to the neighbouring site to the east and tested for leaks using a pump. If there are any leaks or visible cracks, the transformer will be emptied. The process of removing oil from transformers is done by allowing two days for the oil to drain and be collected. The inside of the transformer is then wiped down prior to placing it in the storage yard.

Based on the age of the building, the potential for PCB containing light ballasts exists. It was estimated that there are approximately 500 light ballasts within the building.

#### 5.2.16.5 Urea Formaldehyde Foam Insulation

Formaldehyde is a pungent, colourless gas commonly used in water solution as a preservative and disinfectant. It is also a basis for major plastics, including durable adhesives. It occurs naturally in the human body and in the outdoor environment. Formaldehyde is used to bond plywood, particleboard, carpets and fabrics, and it contributes to "that new house smell."

Formaldehyde is also a by-product of combustion; it is found in tobacco smoke, vehicle exhaust and the fumes from furnaces, fireplaces and wood stoves. While small amounts of formaldehyde are harmless, it is an irritating and toxic gas in significant concentrations. Symptoms of overexposure to formaldehyde include irritation to eyes, nose and throat; persistent cough and respiratory distress; skin irritation; nausea; headache; and dizziness.

Urea-formaldehyde foam insulation (UFFI) was developed in Europe in the 1950s as an improved means of insulating difficult-to-reach cavities in the walls. It is typically made at a construction site from a mixture of urea-formaldehyde resin, a foaming agent and compressed air. When the mixture is injected into the wall, urea and formaldehyde unite and "cure" into an insulating foam plastic.

During the 1970s, when concerns about energy efficiency led to efforts to improve building insulation in Canada, UFFI became an important insulation product for existing buildings. Most installations occurred between 1977 and the further use of UFFI was banned in Canada in 1980.

No evidence of UFFI was observed during the site visit.

#### 5.2.16.6 Radon

Radon is a colourless, odourless, radioactive gas that occurs naturally in the environment. It comes from the natural breakdown of uranium in soils and rocks. Exposure to high levels of radon increases the risk of developing lung cancer. This relationship has prompted concern that radon levels in some Canadian buildings may pose a health risk. Radon gas can move through small spaces in the soil and rock and seep into a building through cracks in concrete, sumps, joints and basement drains. Concrete-block walls are particularly porous to radon and radon trapped in water from wells can be released into the air when the water is used.

Due to the potential health concerns associated with radon, Health Canada released a guideline in June 2007 for a maximum acceptable level of radon gas of 200 Becquerel's per cubic metre ($Bq/m^3$). Where radon gas is present and the annual radon concentration exceeds 200 $Bq/m^3$ in the normal occupancy area, Health Canada recommends taking the necessary actions to reduce radon levels.

Based on local well records, the bedrock underlying the Phase One Property is shale at a depth of 11.6 m. Based on the rock type, the generation of radon gas is possible, however the likelihood of it accumulating in an enclosed place on the Phase One Property, while possible, is less likely since there is 11.6 m of soil confining the potential radon gas.

#### 5.2.16.7 Mould

Mould is found in the natural environment and is required for the breakdown of plant debris such as leaves and wood. Mould spores are found in the air in both the indoor and outdoor environments. In order for mould to grow it requires a food source (i.e. gypsum wallboard, wallpaper, wood, etc.) combined with moist conditions. Mould can have an impact on human health depending on the species and concentration of the airborne mould spores. Health effects can include allergies and mucous membrane irritation.

Currently there are no regulations governing mould; however, there are several guidelines addressing mould assessments and abatement. At the moment, the industry standards include the Canadian

Construction Association (CCA) document 82-2004 titled “mould guidelines for the Canadian construction industry” and the Environmental Abatement Council of Ontario (EACO) guidelines titled “EACO Mould Abatement Guidelines, Edition 2 (2010).”

It is important to note that the Ministry of Labour (MOL) has governed protecting workers under the Occupational Health and Safety Act, which states that employers are required to take every precaution reasonable to protect their workers. This includes protecting workers from mould within workplace buildings.

No suspect mould was observed during the site visit.

#### 5.2.16.8 Other Substances

No other special attention substances (such as acrylonitrile or isocyanates) were suspected to be present at the Phase One Property at the time of this Phase One ESA.

## 5.3 Enhanced Investigation Property Observations

An Enhanced Investigation Property is “(i) a property used, or has ever been used, in whole or part, for an industrial purpose, or (ii) a commercial property used as a garage, a bulk liquid dispensing facility, including a gasoline outlet or for the operation of dry cleaning equipment” (O.Reg. 153/04).

The Phase One Property was occupied by a service garage associated with the neighbouring hydro substation and works yard. As a result, the Phase One Property is classified as an Enhanced Investigation Property.

### 5.3.1 Processing and Manufacturing Operations

No processing or manufacturing operations were observed or reported to have been conducted at the Phase One Property.

### 5.3.2 Hazardous Materials Use and Storage

Diesel and PCB oil were stored at the Phase One Property. The diesel was stored in a 400 litre tank near the emergency generator and two plastic storage containers used to temporarily store oil from the transformers that are being serviced which may contain PCBs. Both of these hazardous materials are located in the south part of the building, near the loading dock.

### 5.3.3 Vehicle and Equipment Maintenance Areas

There was a former vehicle service garage in the northwest corner of the property. This area is now used for dry storage. This area of the building is APEC1.

### 5.3.4 Oil/Water Separators

A former oil/water separator was reported by the site representative however it was not visible during the site visit, nor was documentation provided regarding its removal.

### 5.3.5 Sewage and Wastewater Disposal

Sewage generated at the Phase One Property is directed to the City of Ottawa sanitary sewer system. No other wastewater is generated at the Phase One Property.

#### 5.3.6 Solid Waste Generation, Storage & Disposal

Solid wastes generated at the Phase One Property are picked up by a general contractor on a regular basis.

#### 5.3.7 Liquid Waste Generation, Storage & Disposal

Currently, some waste oil is generated at the Phase One Property from old transformers which is removed by a licenced contractor on a regular basis. Generally, a transformer will be brought to the neighbouring site to the east and tested for leaks using a pump. If there are any leaks or visible cracks, the transformer will be emptied. The process of removing oil from transformers is done by allowing two days for the oil to drain and be collected. The inside of the transformer is then wiped down prior to placing it in the storage yard.

#### 5.3.8 Unidentified Substances

No unidentified substances were observed on the Phase One Property at the time of the site visit. No dumping or any other deleterious materials were identified.

#### 5.3.9 Hydraulic Lift Equipment

A hydraulic lift was observed in the loading dock in the south part of the building. It was in good condition with no evidence of leakage.

#### 5.3.10 Mechanical Equipment

No PCAs were identified with the mechanical equipment.

#### 5.3.11 Abandoned and Existing Wells

Several monitoring wells were from previous environmental investigations were observed on the Phase One Property. No water wells were located on the Phase One Property.

#### 5.3.12 Roads, Parking Facilities and Right of Ways

Access to the Phase One Property is via Albion Road North to the west.

### 5.4 Adjacent and Surrounding Properties

A visual reconnaissance of the adjacent properties and properties within the Phase One ESA study area was conducted from publicly accessible areas to identify the occupants; and document any PCAs that may be contributing to an APEC at the Phase One Property.

The results of the visual inspection are documented in Figure 2 of Appendix B.

**North:** Residential, both high-rise and townhomes with associated parking

**South:** Vacant lands (Hydro Corridor) followed by Commercial (APEC 7)

**East:** Hydro Ottawa substation with fuel storage and PCB storage facility (APEC 6)

**West**: Albion Road North followed by residential

No other properties of concern were identified as PCA as per Table 2, Schedule D of O.Reg.153/04, as amended.

## 5.5 Written Description of Investigation

A reconnaissance of the Phase One Property was conducted by EXP to examine the exterior and interior of all on-site buildings and structures, and to examine the exterior portions of the Site. Access was provided to the interiors of the Phase One Property building. Mechanical equipment (including heating and cooling systems) was documented and characterized, as was any evidence of USTs and ASTs. The exterior portions of the Phase One Property were examined for evidence of utilities and related infrastructure; water wells; Site drainage and related infrastructure; stained areas; stressed vegetation; and, evidence of fill material.

The reconnaissance of the Phase One Property included an examination of all properties within the Phase One study area from public access ways to document and characterize PCAs, water bodies and areas of natural significance.

# 6. Conceptual Site Model

## 6.1 Current and Past Uses

Based on a review chain of title information, aerial photographs, and other records, it is evident that the Phase One Property was first developed as an office building and a vehicle storage and servicing facility circa 1956.

## 6.2 Summary of Potentially Contaminating Activities

As per Ontario Regulation (O.Reg.) 153/04, a Potential Contaminating Activity (PCA) is defined as one (1) of fifty-nine (59) industrial operations set out in Table 2 of Schedule D that occurs or has occurred in a Phase One study area. The following PCAs were identified for the Phase One Property:

Former off-site works yard (90 m south) that had a PCB storage facility and underground fuel storage tanks. This aspect is associated with PCA#28-Gasoline and Associated Products Storage in Fixed Tanks

- PCA1 – A former on-site vehicle service garage in the north part of the building. (PCA#10-Commercial Autobody Shops).
- PCA2 – Former oil-sprayed baseball field and former road
- PCA3 – A former underground storage tank (UST) and pump island were identified near the northwest corner (PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks).
- PCA4 – Waste oil ASTs, new oil storage, hydraulic lift at loading dock, and emergency generator diesel storage tank (PCA#28 – Gasoline and Associated Products Stored in Fixed Tanks).
- PCA5 – Fill is likely to have been brought on to the Phase One Property during site construction in 1956 (PCA#30-Importation of Fill Material of Unknown Quality).

Potentially contaminating activities that took place within the vicinity of the Phase One Property (approximately 250 m radius) include:

- PCA6 – The off-site property to the east is an operating hydro station with PCB storage facilities, a diesel AST and transformer storage (PCA#18-Electricity Generation, Transformation and Power Stations)
- PCA7 - Former off-site works yard (90 m south) that had a PCB storage facility and underground fuel storage tanks (PCA#28-Gasoline and Associated Products Storage in Fixed Tanks).

## 6.3 Areas of Potential Environmental Concern

As a result of the PCAs, the report identified the following APECs at the Phase One Property:

- APEC 1 – (northwest part of Phase One Property) Contaminated soil and groundwater. This APEC is associated with PCA1. The PCOCs include metals, PHC and VOC.
- APEC 2 – (north edge of Phase One Property and northeast part of Phase One Property) Contaminated soil and groundwater. This APEC is associated with PCA2. The PCOCs include PCBs, BTEX and PHC.
- APEC 3 – (northwest part of Phase One Property) Contaminated soil and groundwater. This APEC is associated with PCA3. The PCOCs include BTEX and PHC.

- APEC 4 – (south central part of Phase One Property) Contaminated soil and groundwater. This APEC is associated with PCA4. The PCOCs include PCBs, BTEX and PHC.
- APEC 5 – (entire Phase One Property) Contaminated soil and groundwater. This APEC is associated with PCA5. The PCOCs include PAH, metals, BTEX and PHC.
- APEC 6 – (south western part of Phase One Property) Contaminated soil and groundwater. This APEC is associated with PCA4. The PCOCs include metals, pentachlorophenol, PCBs, BTEX and PHC.
- APEC 7 – (south western part of Phase One Property) Contaminated soil and groundwater. This APEC is associated with PCA4. The PCOCs include PCBs, metals, BTEX and PHC.

It is noted that any significant uncertainty or absence of information has the ability to affect the Phase One Conceptual Site Model (CSM). However, based on the information and findings presented within the Phase One ESA, it is EXP's opinion that any uncertainty would be minimal, and it would not alter the validity of the model presented above. The APECs identified at the Phase One Property are summarized in the CSM and on Figure 4.

## 6.4 Site Characteristics

In order to develop a CSM for the Phase One Property and Phase One Study Area, the following physical characteristics and pathways were considered. A CSM showing the inferred groundwater flow direction and general Phase One Property features is shown in Figure 3 in Appendix B.

### 6.4.1 Subsurface Stratigraphy

With respect to surficial geology, beneath any fill, was a brown silty sand with a thickness that ranged from 0.9 m to 2.8 m (BH311). No silty sand was observed in BH305. Below the silty sand was grey silty clay to the maximum depth drilled of 6.1 m. A slight petroleum odour was observed in the silty sand in MW306 and black staining was observed in the silty sand in MW311. No other indications of impact to the native soil were observed. Bedrock was not observed during drilling, however it is expected to be limestone of the Ottawa Formation.

### 6.4.2 Estimated Groundwater Flow Direction

Topographically, the Phase One Property relatively flat with a slight downwards slope towards the south west. Based on previous work conducted on the Phase One Property, the groundwater flow direction at the Phase One Property is to the northwest, towards the Rideau River.

### 6.4.3 Underground Utilities

The Phase One Property is fully serviced with water and sewers, electricity and telephone services. Hydro enters the building from the south. Water and sewers enter from the west.

# 7. Conclusions

## 7.1 Whether Phase Two ESA Required Before RSC Submitted

Based on the results and findings of the Phase One ESA, a Phase Two ESA is required before a RSC may be submitted to investigate the following APECs identified on the Phase One Property:

| Area of Potential Environmental Concern (APEC)[1] | Location of APEC on Phase One Property | Potentially Contaminating Activity (PCA)[2] | Location of PCA (on-Site or off-Site) | Contaminants of Potential Concern[3] | Media Potentially Impacted (Groundwater, soil and/or sediment) |
|---|---|---|---|---|---|
| **APEC 1:** A former on-Site vehicle service garage | Northwest part of the Site building | #10 –Commercial Auto Body Shops | On-Site | Petroleum Hydrocarbon (PHC), volatile organic compounds (VOC), and metals | Soil and Groundwater |
| **APEC 2**: Potential oil spraying of the former baseball diamonds and gravel access road | Eastern and north-central portions of the Phase One Property | PCA#18-Electricity Generation, Transformation and Power Stations | On-Site | PHC and polychlorinated biphenyls (PCB) | Soil and Groundwater |
| **APEC 3:** A former underground storage tank (UST) and dispensing pumps that were removed | North of the garage area | PCA#28-Gasoline and Associated Products Storage in Fixed Tanks | On-Site | PHC and benzene, toluene, ethylbenzene, xylenes (BTEX) | Soil and Groundwater |
| **APEC 4:** Three (3) interior above ground waste oil and new oil storage tanks | South part of the Site building | PCA#28-Gasoline and Associated Products Storage in Fixed Tanks | On-Site | PHC, BTEX, and PCBs | Soil and Groundwater |
| **APEC 5:** Fill of unknown quality at the Phase One Property | Entire Phase One Property | PCA#30-Importation of Fill Material of Unknown Quality | On-Site | PHC, metals and PAHs | Soil and Groundwater |

| Area of Potential Environmental Concern (APEC)[1] | Location of APEC on Phase One Property | Potentially Contaminating Activity (PCA)[2] | Location of PCA (on-Site or off-Site) | Contaminants of Potential Concern[3] | Media Potentially Impacted (Groundwater, soil and/or sediment) |
|---|---|---|---|---|---|
| **APEC 6:** Storage of poles and electrical equipment along with a former PCB storage area and diesel fuel AST | Eastern property boundary of Phase One Property | PCA#18-Electricity Generation, Transformation and Power Stations | Off-Site | PHC, BTEX, metals, pentachlorophenol, PCB | Groundwater |
| **APEC 7:** Former works yard that had a PCB storage facility and underground fuel storage tanks. | Southern property boundary of Phase One Property | PCA#28-Gasoline and Associated Products Storage in Fixed Tanks | Off-Site (90 m south) | PCBs, PHCs, BTEX and metals | Groundwater |

(1) Potentially contaminating activity means a use or activity set out in Column A of Table 2 of Schedule D (O.Reg.153/04, as amended) that is occurring or has occurred in a phase one Study area.

## 7.2 RSC Based on Phase One ESA Alone

As such, an RSC cannot be filed based on the Phase One ESA alone.

A Phase Two ESA is required to investigate the APECs identified in this Phase One ESA, prior to filing a RSC.

# 8. Closure

We trust this report is satisfactory for your purposes. Should you have any questions, please do not hesitate to contact this office.

Yours truly,

EXP Services Inc.

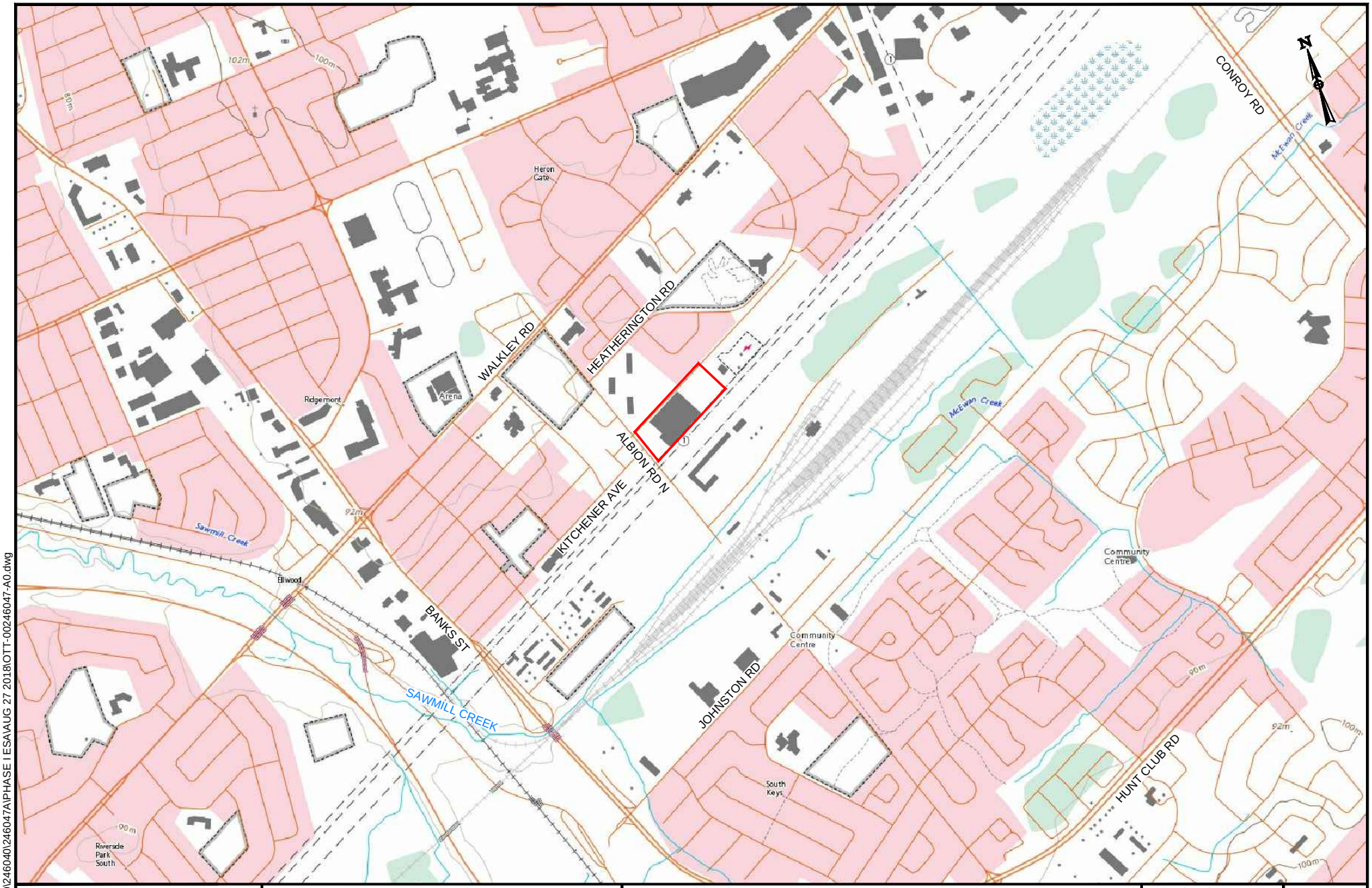

Mark McCalla, P. Geo. QPESA
Senior Geoscientist
Environmental Services

Robert Renaud, M.Sc., P. Geo.
Senior Geoscientist
Environmental Services

# 9. References

1. Canadian Standards Association. November 2001. Z768-0 *Phase I Environmental Site Assessment*.
2. *Occupational Health and Safety Act* - Ministry of Labour (MOL)
3. Toporama; Natural Resources Canada. Map 30M05. Scale 1:15,000. 2008.
4. Quaternary Geology of Ontario - geology_ll.shp [computer file],Ontario: Ontario Geological Survey, 2000.
5. Bedrock Geology of Ontario - geology_ll.shp [computer file],Ontario: Ontario Geological Survey, 2000.
6. Inventory of Coal Gasification Plant Waste Sites in Ontario. Ontario Ministry of the Environment, April 1987.
7. Inventory of Industrial Sites Producing or Using Coal Tar and Related Tars in Ontario. Ontario Ministry of the Environment, November 1988.
8. Waste Disposal Site Inventory. Waste Management Branch Ontario Ministry of the Environment, June 1991.
9. Ontario Inventory of PCB Storage Sites. Ontario Ministry of the Environment, 1993- 2003-2004.
10. Catalogue of Canadian Fire Insurance Plans 1875 – 1975
11. Ontario Ministry of the Environment, Brownfields Registry website (www.ene.gov.on.ca/environet/BESR/index.htm)
12. Ontario Ministry of the Environment, Environmental Registry website (www.ene.gov.on.ca/envision/env_reg/ebr/english/index.htm)
13. Ontario Ministry of Natural Resources, Natural Heritage website (www.mnr.gov.on.ca/MNR/nhic/areas.cfm)
14. Oil, Gas & Salt Resources Library website (www.ogsrlibrary.com)
15. Technical Standards and Safety Authority, *Environmental Management Protocol for Fuel Handling Sites in Ontario,* May 2007.
16. *Phase I Environmental Site Assessment, 3025 Albion Road, Ottawa, Ontario*, September 2008, prepared for Hydro Ottawa Limited, by Trow Associates Inc.
17. *Phase II Environmental Site Assessment, 3025 Albion Road North, Ottawa, Ontario*, June 2008, prepared for Hydro Ottawa Limited, by Trow Associates Inc.
18. *Phase II Environmental Site Assessment, 3025 Albion Road North, Ottawa, Ontario*, December 8, 2015, prepared for Cresa Toronto Inc., by EXP Services Inc.
19. *Phase III ESA 3025 Albion Road, Ottawa, Ontario,* February 21, 2018 by Enviro-Experts.

# Figures

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t: +1.905.793.9800 | f: +1.905.793.0641
1595 Clark Boulevard
Brampton, ON L6T 4V1
Canada

www.exp.com

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LEGEND:

APPROXIMATE SITE BOUNDARY

SCALE

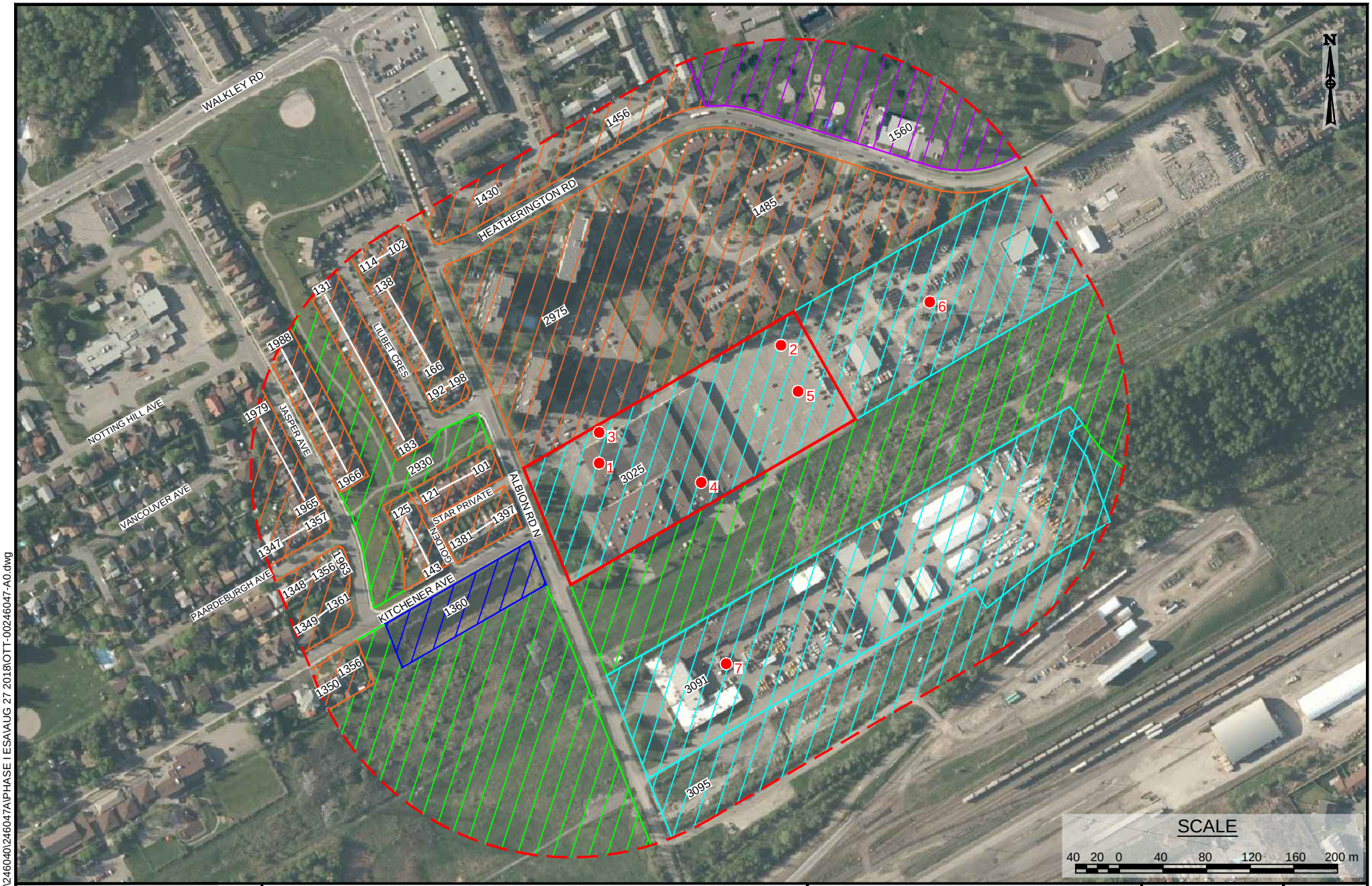
150 0 150 300 450 600 750m

TITLE AND LOCATION:

# SITE LOCATION PLAN

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: 1 |

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LEGEND:

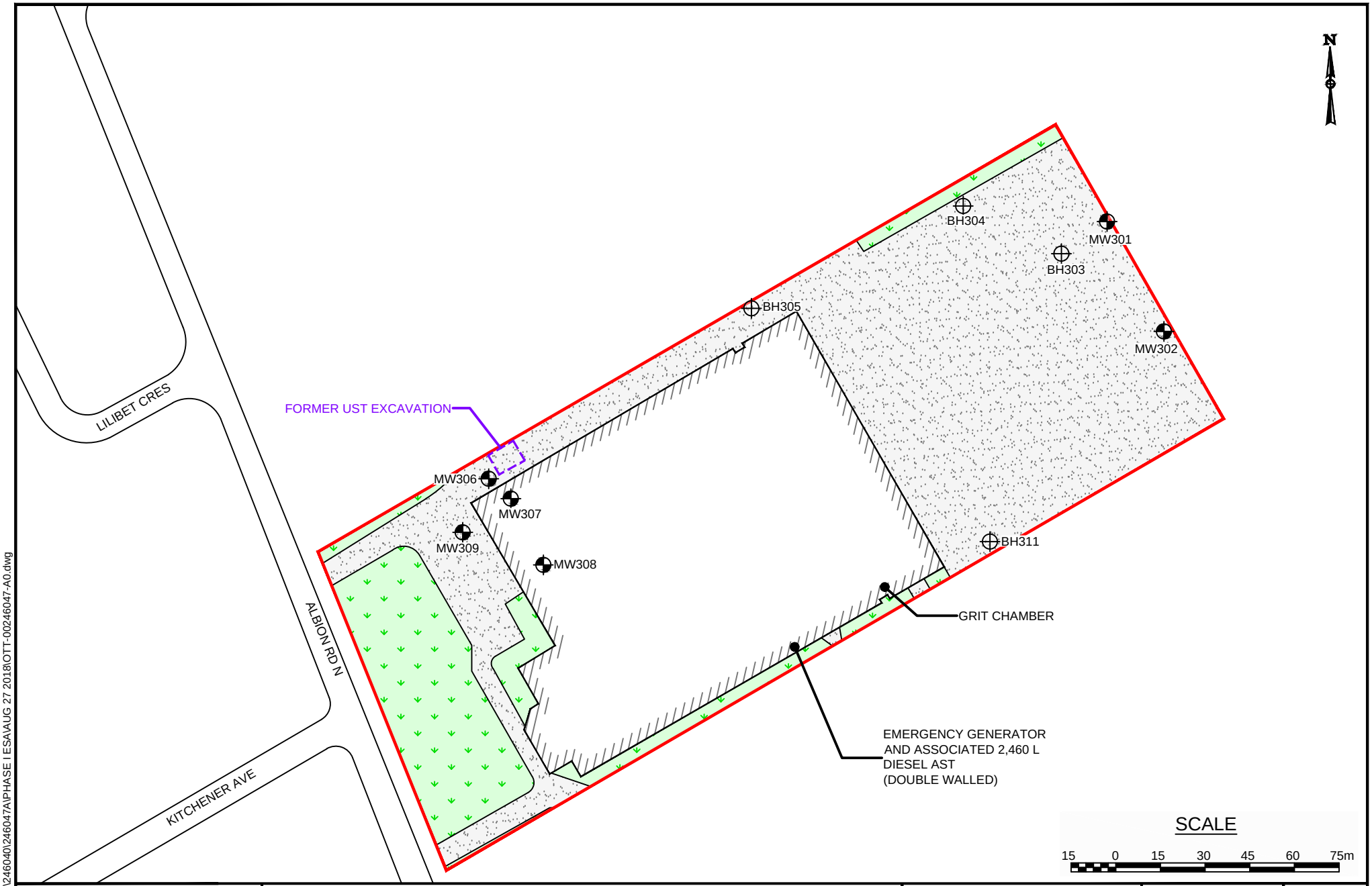
- APPROXIMATE SITE BOUNDARY
- PHASE ONE STUDY AREA
- 1 PCA IDENTIFIER
- STORMWATER MANAGEMENT POND
- RESIDENTIAL
- INDUSTRIAL
- COMMUNITY
- OPEN SPACE / VACANT

TITLE AND LOCATION:

# SURROUNDING LAND USE PLAN, PHASE ONE STUDY AREA AND PCAs

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: 2 |

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Canada
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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

LEGEND:

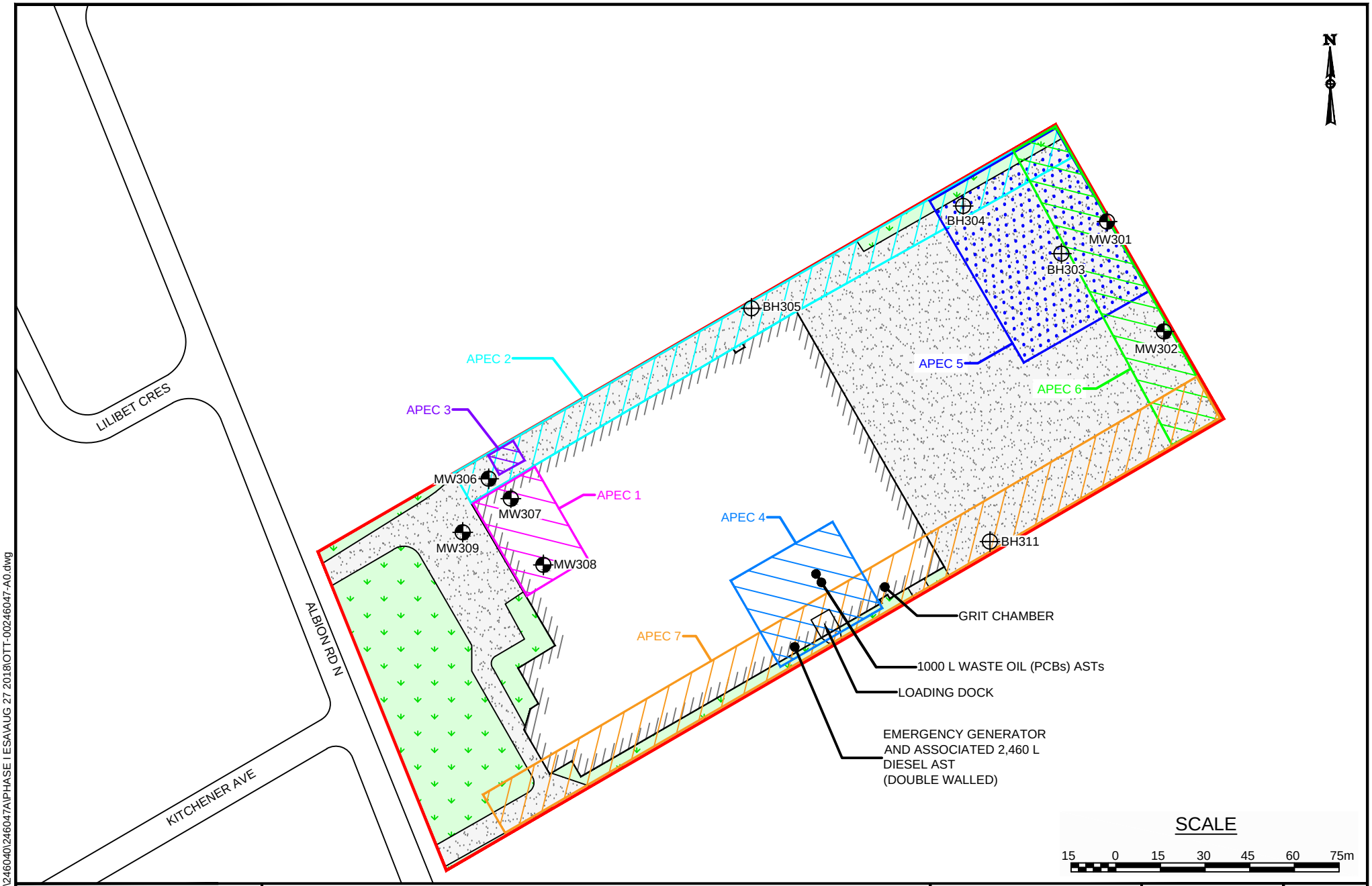
- APPROXIMATE SITE BOUNDARY
- BUILDING FOOTPRINT
- LANDSCAPED AREA
- ASPHALT / CONCRETE
- EXTENT OF FORMER UST EXCAVATION
- BOREHOLE LOCATION (EXP, 2016)
- BOREHOLE / MONITORING WELL LOCATION (EXP, 2016)

TITLE AND LOCATION:

# SITE PLAN

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: 3 |

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• INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

LEGEND:

- APPROXIMATE SITE BOUNDARY
- BUILDING FOOTPRINT
- LANDSCAPED AREA
- ASPHALT / CONCRETE
- BOREHOLE LOCATION (EXP, 2016)
- BOREHOLE / MONITORING WELL LOCATION (EXP, 2016)

TITLE AND LOCATION:

# SITE PLAN AND APECs
PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: 4 |

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# Tables

Table 1

## SITE CONDITIONS

3025 Albion Road North, Ottawa, Ontario

| | |
|---|---|
| **NATIVE SOIL AND BEDROCK** | |
| Type: | Silty sand/sandy silt and gravel or Silty sand/silty clay/clay |
| Hydraulic Conductivity: | Based on the grain size of the shallow water-bearing unit (silty clay) was estimated to range between 10-7 to 10-9 m/s |
| Percent Sand: | Unknown |
| Depth to Bedrock: | 11.8 mbgs |
| Bedrock Type: | Weathered shale and limestone |
| **GROUNDWATER** | |
| Depth to Water Table: | Groundwater level in overburden ranged from 0.8 m to 2.4 mbgs, as measured on June 14, 2018. |
| Estimated or Measured: | Measured by EXP |
| Direction of Flow: | West in overburden |
| Estimated or Measured: | Measured by EXP |
| **POTABLE WATER AND SEWERS** | |
| Potable Water Source: | Municipal |
| Municipal Water Source: | Ottawa River |
| Distance to Nearest Municipal Water Well: | Unknown |
| Distance to Nearest Private Water Well: | Unknown |
| Sanitary Sewage System: | Municipal |
| Storm Water System: | Municipal |
| **UTILITIES PRESENT ON SITE** | |
| Power: | Ottawa Hydro |
| Natural Gas: | Enbridge Gas |
| Telephone: | Bell Canada |
| Other: | NA |
| **SURFACE WATER** | |
| Name of Nearest Water Body: | Sawmill Creek |
| Distance from Site: | 750 m west |
| Elevation Drop from Site: | Unknown |
| Direct Drainage from Site: | Run-off towards catch basins and manholes located along the perimeter of the Site. |

EXP Services Inc. OTT-00246047-B0

Table 2

## CURRENT AND PAST USES

(Refer to clause 16(2)(b), Schedule D, O.Reg. 153/04)
3025 Albion Road, North, Ottawa, Mississauga, Ontario

| Year | Name of Owner | Description of Property Use | Property Use[(1)] | Other Observations from Aerial Photographs, Fire Insurance Plans, etc. |
|---|---|---|---|---|
| prior to 1878 | Crown Lands | Agricultural or Pastoral Land | Agricultural or other use | None |
| 1878 - 1886 | John Goyle | Agricultural or Pastoral Land | Agricultural or other use | None |
| 1886 - 1899 | John O'Leary | Agricultural or Pastoral Land | Agricultural or other use | None |
| 1899 -1903 | Thomas Blair | Agricultural or Pastoral Land | Agricultural or other use | None |
| 1903 - 1905 | George Blair | Agricultural or Pastoral Land | Agricultural or other use | None |
| 1905 - 1910 | William Crawford | Agricultural or Pastoral Land | Agricultural or other use | None |
| 1910 - 1948 | Thomas Crawford | Agricultural or Pastoral Land | Agricultural or other use | None |
| 1948 - 1953 | Crown Lands | Agricultural or Pastoral Land | Agricultural or other use | Air photos |
| 1953 - 1954 | Aero Sales Engineering Ltd. | Agricultural or Pastoral Land | Agricultural or other use | Air photos |
| 1954 - Present | City of Ottawa (The Hydro-Electric Commission) | Offices and Work Centre for Hydro-Ottawa | Commercial | Air photos, city directories, site visit |



**Notes:**
1. For each owner, specify one of the following types of property use (as defined in O.Reg. 153/04) that applies:
Agricultural or other use, Commercial use, Community use, Industrial use, Institutional use, Parkland use, Residential use
2. When submitting a record of site condition for filing, a copy of this table must be attached

**Cette publication hautement spécialisée n'est disponible qu'en anglais en vertu du règlement 671/92, qui en exempte l'application de la Loi sur les services en français. Pour obtenir de l'aide en francais, veuillez communiquer avec le ministère de l'Environnement au 1-800-461-6290

# Appendix A: Limitation of Liability, Scope of Report, and Third Party Reliance

# LIMITATIONS AND USE OF REPORT

**BASIS OF REPORT**

The Report is based on site conditions known or inferred by the investigation undertaken as of the date of the Report. Should changes occur which potentially impact the condition of the site the recommendations of exp may require re-evaluation. Where special concerns exist, or the Client has special considerations or requirements, these should be disclosed to exp to allow for additional or special investigations to be undertaken not otherwise within the scope of investigation conducted for the purpose of the Report.

Where applicable, recommended field services are the minimum necessary to ascertain that construction is being carried out in general conformity with building code guidelines, generally accepted practices and exp's recommendations. Any reduction in the level of services recommended will result in exp providing qualified opinions regarding the adequacy of the work. exp can assist design professionals or contractors retained by the Client to review applicable plans, drawings, and specifications as they relate to the Report or to conduct field reviews during construction.

**RELIANCE ON INFORMATION PROVIDED**

The evaluation and conclusions contained in the Report are based on conditions in evidence at the time of site inspections and information provided to exp by the Client and others. The Report has been prepared for the specific site, development, building, design or building assessment objectives and purpose as communicated by the Client. exp has relied in good faith upon such representations, information and instructions and accepts no responsibility for any deficiency, misstatement or inaccuracy contained in the Report as a result of any misstatements, omissions, misrepresentation or fraudulent acts of persons providing information. Unless specifically stated otherwise, the applicability and reliability of the findings, recommendations, suggestions or opinions expressed in the Report are only valid to the extent that there has been no material alteration to or variation from any of the information provided to exp.

**STANDARD OF CARE**

This report ("Report") has been prepared in a manner consistent with the degree of care and skill exercised by engineering consultants currently practicing under similar circumstances and locale. No other warranty, expressed or implied, is made. Unless specifically stated otherwise, the Report does not contain environmental consulting advice.

**COMPLETE REPORT**

All documents, records, data and files, whether electronic or otherwise, generated as part of this assignment form part of the Report. This material includes, but is not limited to, the terms of reference given to exp by the Client, communications between exp and the Client, other reports, proposals or documents prepared by exp for the Client in connection with the site described in the Report. In order to properly understand the suggestions, recommendations and opinions expressed in the Report, reference must be made to the Report in its entirety. exp is not responsible for use by any party of portions of the Report.

**USE OF REPORT**

The information and opinions expressed in the Report, or any document forming part of the Report, are for the sole benefit of the Client. No other party may use or rely upon the Report in whole or in part without the written consent of exp. Any use of the Report, or any portion of the Report, by a third party are the sole responsibility of such third party. exp is not responsible for damages suffered by any third party resulting from unauthorised use of the Report.

**REPORT FORMAT**

Where exp has submitted both electronic file and a hard copy of the Report, or any document forming part of the Report, only the signed and sealed hard copy shall be the original documents for record and working purposes. In the event of a dispute or discrepancy, the hard copy shall govern. Electronic files transmitted by exp utilize specific software and hardware systems. exp makes no representation about the compatibility of these files with the Client's current or future software and hardware systems. Regardless of format, the documents described herein are exp's instruments of professional service and shall not be altered without the written consent of exp.

# Appendix B: Survey Plan

Distances shown on this plan are ground distances and can be converted to grid distances by multiplying by the combined scale factor of 0.999941.

Bearings are grid, derived from Can-Net 2016 Real Time Network GPS observations on reference points A and B, shown hereon, having a bearing of N22°27'30"W and are referenced to Specified Control Points 01919680105 and 019198434761, MTM Zone 9 ( 76°30' West Longitude ) NAD-83 (orginal).

Coordinates are derived from Can-Net 2016 Real Time Network GPS observations referenced to Specified Control Points 01919680105 and 0198434761, MTM Zone 9 (76°30' West Longitude) NAD-83 (orginal).

Coordinate values are to urban accuracy in accordance with O. Reg. 216/10.

| | | | | |
|---|---|---|---|---|
| . 01919680105 | Northing | 5024915.16 | Easting | 373971.65 |
| . 019198434761 | Northing | 5036178.12 | Easting | 372436.11 |
| . Point A | Northing | 5025851.77 | Easting | 371254.13 |
| . Point B | Northing | 5025958.55 | Easting | 371209.99 |

Caution: Coordinates cannot, in themselves, be used to re-establish corners or boundaries shown on this plan.

## Surveyor's Certificate

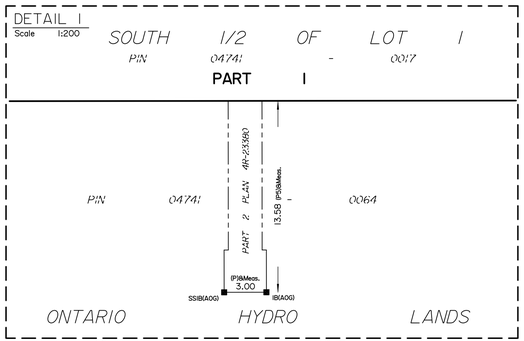
I CERTIFY THAT :

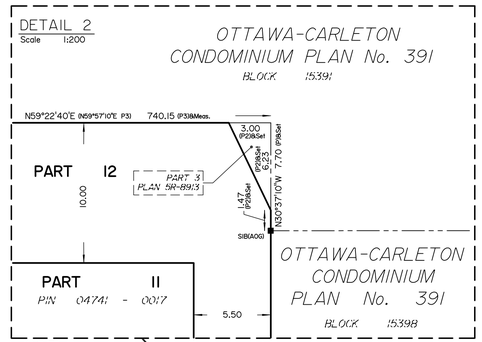
1. This survey and plan are correct and in accordance with the Surveys Act, the Surveyors Act and the Land Titles Act and the regulations made under them.
2. The survey was completed on the 27th day of October, 2017.

Date — Andre Roy, Ontario Land Surveyor

## Notes & Legend

Denotes — Survey Monument Planted
" — Survey Monument Found
SIB — Standard Iron Bar
SSIB — Short Standard Iron Bar
IB — Iron Bar
(WIT) — Witness
(AOG) — Annis, O'Sullivan, Vollebekk Ltd.
Meas. — Measured
(P1) — Ottawa-Carleton Condominium Plan No. 398
(P2) — Plan 4R-5730
(P3) — (857) Plan dated July 8, 1980
(P4) — (647) Plan dated September 5, 1974
(P5) — Plan 4R-23380
(P6) — Plan 5R-1759
(P7) — (AOG) Plan dated February 18, 2000
CLF — Chain link Fence
MH-S — Maintenance Hole (Sanitary)
MH — Maintenance Hole (Unidentified)
CB — Catch Basin
UP — Utility Pole
AN — Anchor
TB-B — Bell Terminal Box
P — Underground Hydro




| Approximate AREA (Sq.m.) | PART | SCHEDULE PART OF LOT | CONCESSION | ALL OF PIN |
|---|---|---|---|---|
| 84 917.8 | 1 | | | |
| 3058.1 | 2 | | | |
| 17.4 | 3 | | | |
| 216.6 | 4 | | | |
| 27919.1 | 5 | | | |
| 1325.5 | 6 | | | |
| 884.2 | 7 | 1 | 4 (Rideau Front) | 04741-0017 |
| 564.1 | 8 | | | |
| 252.9 | 9 | | | |
| 54.8 | 10 | | | |
| 15531.9 | 11 | | | |
| 2171.8 | 12 | | | |
| 323.0 | 13 | | | |

I REQUIRE THIS PLAN TO BE DEPOSITED UNDER THE LAND TITLES ACT.

DATE:_____

_____
ANDRE ROY
ONTARIO LAND SURVEYOR

# PLAN 4R-

RECEIVED AND DEPOSITED
DATE:_____

_____
REPRESENTATIVE FOR LAND REGISTRAR FOR THE LAND TITLES DIVISION OF OTTAWA-CARLETON NO. 4.

*DRAFT PLAN OF SURVEY OF*

## PART OF LOT 1
## CONCESSION 4 (Rideau Front)
## Geographic Township of Gloucester
## CITY OF OTTAWA

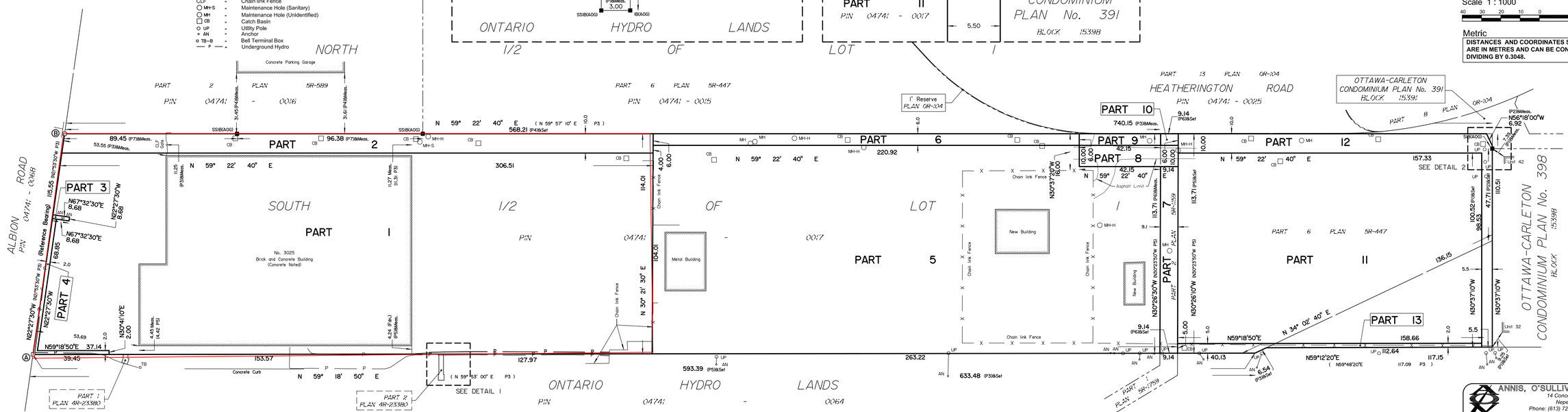
Surveyed by Annis, O'Sullivan, Vollebekk Ltd.

Scale 1 : 1000

40 30 20 10 0 20 40 Metres

Metric

**DISTANCES AND COORDINATES SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048.**





ANNIS, O'SULLIVAN, VOLLEBEKK LTD.
14 Concourse Gate, Suite 500
Nepean, Ont. K2E 7S6
Phone: (613) 727-0850 / Fax: (613) 727-1079
Email: Nepean@aovltd.com
Ontario Land Surveyors


Job No. 18247-17 Hydro PT LT 1 C 4 (RF) Draft R D3 — A.M.

V:\2017\18247\7.0\Drawings\18247-17 Hydro PT LT 1 C 4 (RF) Draft R D3.dwg

# Appendix C: Qualification of Assessors

# Qualifications of Assessors

EXP provides a full range of environmental services through a full-time Environmental Services Group. EXP 's Earth and Environment Group has developed a strong working relationship with clients in both the private and public sectors and has developed a positive relationship with Ontario Ministry of the Environment. Personnel in the numerous branch offices form part of a large network of full-time dedicated environmental professionals in the EXP organization.

**Robert Renaud**, M.Sc., P.Geo. (ON/NU/NT), is a Hydrogeologist and Environmental Geoscientist with over sixteen years' experience in the environmental field. Mr. Renaud is a licensed Professional Geoscientist (P.Geo.) in Ontario, Nunavut and the Northwest Territories. His technical undertakings have included work in the following fields: Phase I, II, and III Environmental Assessments; contaminated site investigations; environmental site characterization; soil and groundwater sampling and data evaluation; data analysis; interpretation and technical report preparation; project coordination; hydrogeological assessments; construction dewatering projects; Class Environmental Assessments; proposal preparation and client liaison.

**Mark McCalla**, P.Geo., is a Senior Project Manager with the Environmental Science and Engineering Services division of EXP, with more than 29 years' experience (15 years with EXP) in environmental investigations, including borehole drilling, monitoring well installation and environmental soil and groundwater sampling, reporting and project management. Mr. McCalla has been involved with many hydrogeological assessments, where pumping tests and analytical testing of wells were carried out. His project experience includes: coordinating, conducting and managing environmental site assessments, remediation programs and landfill monitoring and management programs; technical report preparation and senior review; proposal preparation and client liaison. Mr. McCalla is a Qualified Person for completing Phase I and II Environmental Site Assessments as per Ont. Reg. 153/04.

# Appendix D: Chain of Title Search

READ Abstracts Limited
331 Cooper Street, Suite 300, Ottawa, Ontario K2P 0A4
Email: search@readsearch.com
Tel.: 613-236-0664
Fax: 613-236-3677

# ENVIRONMENTAL SEARCH

EXP
Attn: Kathy

BRIEF DESCRIPTION OF LAND:

3025 Albion Rd., Ottawa
Part of Lot 1, Concession 4 RF Gloucester

PIN: 04741-0017

LAST REGISTERED OWNER: CORPORATION OF THE CITY OF OTTAWA
THE HYDRO ELECTRIC COMMISSION OF THE CITY OF OTTAWA

CHAIN OF TITLE:

Patent dated January 11, 1878
To John Goyle

Deed GL7537 registered April 22, 1886
From estate of John Goyle to John O'Leary

Deed GL14027 registered November 23, 1899
From John O'Leary to Thomas W. Blair

Deed GL17529 registered September 16, 1903
From Thomas W. Blair to George K. A. Blair

Deed GL18246 registered February 28, 1905
From George K. A Blair to William A. Crawford

Deed GL22789 registered July 6, 1910
From William A. Crawford to Thomas H. Crawford

Expropriation GL45349 registered September 27, 1948

To His Majesty the King

Deed OT8538 registered March 19, 1953
From estate of Thomas H. Crawford to Aero Sales Engineering Ltd.

Deed OT8682 registered April 20, 1953
From estate of William A. Crawford to Federal District Commission

Deed OT11087 registered February 16, 1954
From His Majesty the King to Federal District Commission

Deed OT11315 registered May 25, 1954
From Aero Sales Engineering Ltd. to H. K. Bell and R. M. Waldon

Deed OT13001 registered September 20, 1954
From estate of Thomas H. Crawford to Federal District Commission

Deed OT13680 registered November 22, 1954
From H. K. Bell and R. M. Waldon to Corporation of the City of Ottawa

(Federal District Commission changed it's name to National Capital Commission by an act of parliament)

Deed CT124193 registered August 21, 1970
From National Capital Commission to The Hydro Electric Commission of the City of Ottawa

# Appendix E: ERIS Database Report

ENVIRONMENTAL RISK INFORMATION SERVICES

# DATABASE REPORT

| | |
|---|---|
| **Project Property:** | *Phase One ESA*<br>*3025 Albion Road*<br>*Ottawa ON K1V 9V9* |
| **Project No:** | *OTT-00246047-B0* |
| **Report Type:** | *Standard Report* |
| **Order No:** | *20180510039* |
| **Requested by:** | *exp Services Inc.* |
| **Date Completed:** | *May 16, 2018* |

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

**www.erisinfo.com**

# Table of Contents

# Executive Summary

***Property Information:***

| | |
|---|---|
| **Project Property:** | *Phase One ESA*<br>*3025 Albion Road  Ottawa ON K1V 9V9* |
| **Project No:** | *OTT-00246047-B0* |

**Coordinates:**

| | |
|---|---|
| **Latitude:** | *45.371059* |
| **Longitude:** | *-75.649034* |
| **UTM Northing:** | *5,024,376.57* |
| **UTM Easting:** | *449,177.47* |
| **UTM Zone:** | *UTM Zone 18T* |

| | |
|---|---|
| **Elevation:** | *285 FT*<br>*86.88 M* |

***Order Information:***

| | |
|---|---|
| **Order No:** | *20180510039* |
| **Date Requested:** | *May 10, 2018* |
| **Requested by:** | *exp Services Inc.* |
| **Report Type:** | *Standard Report* |

***Historical/Products:***

# Executive Summary: Report Summary

| Database | Name | Searched | Project Property | Within 0.25 km | Total |
|---|---|---|---|---|---|
| AAGR | *Abandoned Aggregate Inventory* | Y | 0 | 0 | 0 |
| AGR | *Aggregate Inventory* | Y | 0 | 0 | 0 |
| AMIS | *Abandoned Mine Information System* | Y | 0 | 0 | 0 |
| ANDR | *Anderson's Waste Disposal Sites* | Y | 0 | 0 | 0 |
| AUWR | *Automobile Wrecking & Supplies* | Y | 0 | 0 | 0 |
| BORE | *Borehole* | Y | 0 | 5 | 5 |
| CA | *Certificates of Approval* | Y | 0 | 5 | 5 |
| CFOT | *Commercial Fuel Oil Tanks* | Y | 0 | 0 | 0 |
| CHEM | *Chemical Register* | Y | 0 | 0 | 0 |
| CNG | *Compressed Natural Gas Stations* | Y | 0 | 0 | 0 |
| COAL | *Inventory of Coal Gasification Plants and Coal Tar 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 |
| DRYCLEANERS | *Dry Cleaning Facilities* | Y | 0 | 0 | 0 |
| EASR | *Environmental Activity and Sector Registry* | Y | 0 | 1 | 1 |
| EBR | *Environmental Registry* | Y | 0 | 5 | 5 |
| ECA | *Environmental Compliance Approval* | Y | 0 | 5 | 5 |
| EEM | *Environmental Effects Monitoring* | Y | 0 | 0 | 0 |
| EHS | *ERIS Historical Searches* | Y | 0 | 3 | 3 |
| EIIS | *Environmental Issues Inventory System* | Y | 0 | 0 | 0 |
| EMHE | *Emergency Management Historical Event* | Y | 0 | 0 | 0 |
| EXP | *List of TSSA Expired Facilities* | Y | 0 | 0 | 0 |
| FCON | *Federal Convictions* | Y | 0 | 0 | 0 |
| FCS | *Contaminated Sites on Federal Land* | Y | 0 | 0 | 0 |
| FOFT | *Fisheries & Oceans Fuel Tanks* | Y | 0 | 0 | 0 |
| FST | *Fuel Storage Tank* | Y | 0 | 3 | 3 |
| FSTH | *Fuel Storage Tank - Historic* | Y | 0 | 4 | 4 |
| GEN | *Ontario Regulation 347 Waste Generators Summary* | Y | 0 | 44 | 44 |
| GHG | *Greenhouse Gas Emissions from Large Facilities* | Y | 0 | 0 | 0 |
| HINC | *TSSA Historic Incidents* | Y | 0 | 0 | 0 |
| IAFT | *Indian & Northern Affairs Fuel Tanks* | Y | 0 | 0 | 0 |
| INC | *TSSA Incidents* | Y | 0 | 0 | 0 |
| LIMO | *Landfill Inventory Management Ontario* | Y | 0 | 0 | 0 |
| MINE | *Canadian Mine Locations* | Y | 0 | 0 | 0 |
| MISA PENALTY | *Environmental Penalty Annual Report* | Y | 0 | 0 | 0 |

| Database | Name | Searched | Project Property | Within 0.25 km | Total |
|---|---|---|---|---|---|
| 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 |
| NEBW | National Energy Board Wells | Y | 0 | 0 | 0 |
| NEES | National Environmental Emergencies System (NEES) | Y | 0 | 0 | 0 |
| NPCB | National PCB Inventory | Y | 0 | 7 | 7 |
| NPRI | National Pollutant Release Inventory | Y | 0 | 0 | 0 |
| OGW | Oil and Gas Wells | Y | 0 | 0 | 0 |
| OOGW | Ontario Oil and Gas Wells | Y | 0 | 0 | 0 |
| OPCB | Inventory of PCB Storage Sites | Y | 0 | 4 | 4 |
| 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 | 1 | 1 |
| PINC | TSSA Pipeline Incidents | Y | 0 | 0 | 0 |
| PRT | Private and Retail Fuel Storage Tanks | Y | 0 | 2 | 2 |
| PTTW | Permit to Take Water | Y | 0 | 0 | 0 |
| REC | Ontario Regulation 347 Waste Receivers Summary | Y | 0 | 4 | 4 |
| RSC | Record of Site Condition | Y | 0 | 0 | 0 |
| RST | Retail Fuel Storage Tanks | Y | 0 | 0 | 0 |
| SCT | Scott's Manufacturing Directory | Y | 0 | 2 | 2 |
| SPL | Ontario Spills | Y | 0 | 5 | 5 |
| SRDS | Wastewater Discharger Registration Database | Y | 0 | 0 | 0 |
| TANK | Anderson's Storage Tanks | Y | 0 | 0 | 0 |
| TCFT | Transport Canada Fuel Storage Tanks | Y | 0 | 0 | 0 |
| VAR | TSSA Variances for Abandonment of Underground Storage Tanks | Y | 0 | 0 | 0 |
| WDS | Waste Disposal Sites - MOE CA Inventory | Y | 0 | 1 | 1 |
| WDSH | Waste Disposal Sites - MOE 1991 Historical Approval Inventory | Y | 0 | 0 | 0 |
| WWIS | Water Well Information System | Y | 2 | 5 | 7 |
| | **Total:** | | 2 | 106 | 108 |

# Executive Summary: Site Report Summary - Project Property

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 1 | WWIS | | Ottawa ON | ENE/36.2 | 0.00 | 23 |
| 2 | WWIS | | Ottawa ON | NNE/42.3 | 0.31 | 26 |

# Executive Summary: Site Report Summary - Surrounding Properties

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 3 | BORE | | ON | SW/72.1 | 0.00 | 28 |
| 4 | EHS | | 3025 Albion Rd N<br>Ottawa ON K1V9V9 | WSW/72.6 | 0.00 | 29 |
| 5 | BORE | | ON | SSW/82.9 | 0.00 | 29 |
| 6 | CA | Hydro Ottawa Limited | 3025 Albion Rd N<br>Ottawa ON K1V 9V9 | NE/84.1 | 0.00 | 30 |
| 6 | CA | Hydro Ottawa Limited | 3025 Albion Road North<br>Ottawa ON K1V 9V9 | NE/84.1 | 0.00 | 30 |
| 6 | CA | Hydro Ottawa Limited | 3025 Albion Rd N<br>Ottawa ON K1V 9V9 | NE/84.1 | 0.00 | 30 |
| 6 | EHS | | 3025 Albion Road<br>Ottawa ON | NE/84.1 | 0.00 | 31 |
| 6 | FSTH | OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD<br>OTTAWA ON | NE/84.1 | 0.00 | 31 |
| 6 | FSTH | OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD<br>OTTAWA ON | NE/84.1 | 0.00 | 31 |
| 6 | GEN | OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 32 |
| 6 | GEN | OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 32 |
| 6 | GEN | OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 32 |
| 6 | GEN | OTTAWA HYDRO<br>29-266 | 3025 ALBION ROAD NORTH<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 32 |
| 6 | GEN | OTTAWA HYDRO<br>29-266 | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 33 |
| 6 | GEN | OTTAWA HYDRO | 3025 ALBION ROAD NORTH<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 33 |
| 6 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | NE/84.1 | 0.00 | 34 |
| 6 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON | NE/84.1 | 0.00 | 35 |
| 6 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON | NE/84.1 | 0.00 | 36 |
| 6 | GEN | Hydro One Networks Inc | 11pv-009 3025 Albion Road<br>Ottawa ON | NE/84.1 | 0.00 | 37 |
| 6 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON | NE/84.1 | 0.00 | 37 |
| 6 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | NE/84.1 | 0.00 | 38 |
| 6 | NPCB | OTTAWA HYDRO ELECTRIC COMMISSION | BOX 8700; 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 39 |
| 6 | NPCB | OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 39 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 6 | NPCB | OTTAWA HYDRO | 3025 ALBION ROAD ALBION ROAD OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 40 |
| 6 | NPCB | HYDRO OTTAWA (WAS OTTAWA HYDRO ELECTRIC COMMI) | BOX 8700 3025 ALBION ROAD N. OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 41 |
| 6 | NPCB | OTTAWA HYDRO | 3025 ALBION ROAD OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 41 |
| 6 | OPCB | OTTAWA HYDRO | 3025 ALBION ROAD OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 41 |
| 6 | OPCB | OTTAWA HYDRO | 3025 ALBION ROAD OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 42 |
| 6 | OPCB | OTTAWA HYDRO | 3025 ALBION ROAD OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 43 |
| 6 | OPCB | OTTAWA HYDRO | 3025 ALBION ROAD OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 44 |
| 6 | PRT | OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD OTTAWA ON K1V 9V9 | NE/84.1 | 0.00 | 45 |
| 6 | REC | OTTAWA HYDRO | 3025 ALBION RD. OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 45 |
| 6 | REC | OTTAWA HYDRO | 3025 ALBION RD. OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 45 |
| 6 | REC | OTTAWA HYDRO | 3025 ALBION ROAD OTTAWA ON K1G 3S4 | NE/84.1 | 0.00 | 46 |
| 6 | SPL | PUC | 3025 ALBION OTTAWA CITY ON | NE/84.1 | 0.00 | 46 |
| 6 | SPL | OTTAWA HYDRO | 3025 ALBION RD TRANSFORMER OTTAWA CITY ON | NE/84.1 | 0.00 | 46 |
| 6 | SPL | OTTAWA HYDRO | 3025 ALBION ROAD, OTTAWA HYDRO STATION. TRANSFORMER OTTAWA CITY ON | NE/84.1 | 0.00 | 47 |
| 6 | WDS | | 3025 ALBION ROAD, OTTAWA ON | NE/84.1 | 0.00 | 47 |
| 7 | BORE | | ON | W/86.9 | -0.09 | 48 |
| 8 | EBR | Hydro Ottawa Limited | 3025 Albion Road North Ottawa Ontario K1G 3S4 Ottawa ON | ENE/117.4 | 0.00 | 48 |
| 8 | EBR | Hydro Ottawa Limited | 3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA ON | ENE/117.4 | 0.00 | 49 |
| 8 | EBR | Canadian Solar Solutions Inc. | 3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA ON | ENE/117.4 | 0.00 | 49 |
| 8 | ECA | Hydro Ottawa Limited | 3025 Albion Rd N Ottawa ON K1G 3S4 | ENE/117.4 | 0.00 | 49 |
| 8 | ECA | Hydro Ottawa Limited | 3025 Albion Rd N Ottawa ON K1G 3S4 | ENE/117.4 | 0.00 | 50 |
| 8 | ECA | Hydro Ottawa Limited | 3025 Albion Rd N Ottawa ON K1G 3S4 | ENE/117.4 | 0.00 | 50 |
| 8 | FST | OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD OTTAWA ON K1G 3S4 | ENE/117.4 | 0.00 | 50 |
| 8 | GEN | Hydro Ottawa ltd. | 3025 Albion RD Ottawa ON | ENE/117.4 | 0.00 | 50 |
| 8 | GEN | Hydro Ottawa ltd. | 3025 Albion RD Ottawa ON K1G 3S4 | ENE/117.4 | 0.00 | 51 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 8 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | ENE/117.4 | 0.00 | 52 |
| 8 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | ENE/117.4 | 0.00 | 53 |
| 8 | GEN | Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | ENE/117.4 | 0.00 | 54 |
| 9 | BORE | | ON | SE/151.6 | -1.00 | 55 |
| 10 | EHS | | 1495 Heatherington Road<br>Ottawa ON K1V 0N7 | NNW/172.3 | 1.28 | 55 |
| 11 | GEN | GTA'S Finest Restoration | 1455 Heatherington, Unit 217<br>ottawa ON K1V8Z3 | NNW/176.2 | 2.03 | 56 |
| 12 | WWIS | | Ottawa ON | WSW/190.4 | 0.00 | 56 |
| 13 | WWIS | | Ottawa ON | W/191.8 | 0.00 | 58 |
| 14 | WWIS | | Ottawa ON | WSW/194.6 | -1.08 | 61 |
| 15 | WWIS | | Ottawa ON | WSW/195.0 | 0.09 | 64 |
| 16 | EASR | TWIN EQUIPMENT LIMITED | 3091 ALBION RD N<br>OTTAWA ON K1V 9V9 | SSE/195.2 | -1.32 | 67 |
| 16 | EBR | High Quality Paint Finishing H.Q.P.F. Inc. | 3091 Albion Road, North Suite 6 Ottawa Ontario K1V 9V9 Ottawa<br>ON | SSE/195.2 | -1.32 | 67 |
| 16 | EBR | Twin Equipment Limited | 3091 Albion Road North Unit 6 Ottawa K1V 9V9 CITY OF OTTAWA<br>ON | SSE/195.2 | -1.32 | 68 |
| 16 | ECA | Twin Realty Ltd. | 3091 Albion Rd<br>Ottawa ON K1V 9V9 | SSE/195.2 | -1.32 | 68 |
| 16 | ECA | Twin Realty Ltd. | 3091 Albion Rd<br>Ottawa ON K1V 9V9 | SSE/195.2 | -1.32 | 68 |
| 16 | FST | CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD<br>OTTAWA ON K1V | SSE/195.2 | -1.32 | 68 |
| 16 | FST | CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD<br>OTTAWA ON K1V | SSE/195.2 | -1.32 | 69 |
| 16 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH<br>OTTAWA ON | SSE/195.2 | -1.32 | 69 |
| 16 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5<br>Ottawa ON | SSE/195.2 | -1.32 | 70 |
| 16 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5<br>Ottawa ON K1V9V9 | SSE/195.2 | -1.32 | 70 |
| 16 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH<br>OTTAWA ON K1V 9V9 | SSE/195.2 | -1.32 | 70 |
| 16 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5<br>Ottawa ON K1V9V9 | SSE/195.2 | -1.32 | 71 |
| 16 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH<br>OTTAWA ON K1V 9V9 | SSE/195.2 | -1.32 | 71 |
| 16 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5<br>Ottawa ON K1V9V9 | SSE/195.2 | -1.32 | 72 |
| 16 | GEN | CDM Groundscare Inc. | 3091 Albion Road N<br>Ottawa ON K1V9V9 | SSE/195.2 | -1.32 | 72 |
| 16 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH<br>OTTAWA ON K1V 9V9 | SSE/195.2 | -1.32 | 72 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 16 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | SSE/195.2 | -1.32 | 73 |
| 16 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V9V9 | SSE/195.2 | -1.32 | 73 |
| 17 | SPL | TRANSPORT TRUCK | 2975 ALBION RD CATCH BASIN MOTOR VEHICLE (OPERATING FLUID) OTTAWA CITY ON | WNW/197.5 | 0.14 | 74 |
| 18 | BORE | | ON | N/205.6 | 2.08 | 74 |
| 18 | WWIS | | lot 1 con 4 ON | N/205.6 | 2.08 | 74 |
| 19 | CA | Twin Realty Ltd. | 3091 Albion Rd Ottawa ON | S/227.4 | -1.69 | 77 |
| 19 | CA | Twin Realty Ltd. | 3091 Albion Rd Ottawa ON | S/227.4 | -1.69 | 77 |
| 19 | FSTH | CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD OTTAWA ON | S/227.4 | -1.69 | 78 |
| 19 | FSTH | CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD OTTAWA ON | S/227.4 | -1.69 | 78 |
| 19 | GEN | GVT. OF CAN. - NATIONAL CAPITAL | COMMISSION 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 78 |
| 19 | GEN | NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 79 |
| 19 | GEN | NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 79 |
| 19 | GEN | NATIONAL CAPITAL COMMISSION 18-090 | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 80 |
| 19 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 80 |
| 19 | GEN | ICP/3842606 CANADA INC. | 3091 ALBION ROAD NORTH, UNIT 5 OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 81 |
| 19 | GEN | 3842606 CANADA INC. | 3091 ALBION ROAD NORTH, UNIT 5 OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 81 |
| 19 | GEN | High Quality Paint Finishing Inc. | 3091 Albion Rd N, #6 Ottawa ON K1V 9V9 | S/227.4 | -1.69 | 82 |
| 19 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 82 |
| 19 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 82 |
| 19 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V 9V9 | S/227.4 | -1.69 | 83 |
| 19 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V 9V9 | S/227.4 | -1.69 | 83 |
| 19 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 84 |
| 19 | GEN | Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V 9V9 | S/227.4 | -1.69 | 84 |
| 19 | GEN | TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 84 |
| 19 | NPCB | NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 85 |
| 19 | NPCB | NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD OTTAWA ON K1V 9V | S/227.4 | -1.69 | 85 |

| Map Key | DB | Company/Site Name | Address | Dir/Dist (m) | Elev Diff (m) | Page Number |
|---|---|---|---|---|---|---|
| 19 | PES | CDM GROUNDSCARE INC O/A CLINTAR GROUNDSKEEPING SERV. | 3091 ALBION ROAD, SUITE 3 OTTAWA ON K1V9V9 | S/227.4 | -1.69 | 85 |
| 19 | PRT | CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD OTTAWA ON K1V 9V9 | S/227.4 | -1.69 | 86 |
| 19 | REC | NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD OTTAWA ON | S/227.4 | -1.69 | 86 |
| 19 | SCT | Twin Equipment Ltd. | 3091 Albion Rd N Ottawa ON K1V 9V9 | S/227.4 | -1.69 | 86 |
| 19 | SCT | Ottawa Quality Paint Finishing | 3091 Albion Rd N Unit 6 Ottawa ON K1V 9V9 | S/227.4 | -1.69 | 87 |
| 19 | SPL | Clintar Groundskeeping Operation | 3091 Albion Road, North Ottawa ON | S/227.4 | -1.69 | 87 |

# Executive Summary: Summary By Data Source

### BORE - Borehole

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

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | ON | SW | 72.09 | 3 |
| | ON | SSW | 82.94 | 5 |
| | ON | N | 205.64 | 18 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | ON | W | 86.85 | 7 |
| | ON | SE | 151.56 | 9 |

### CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 5 CA site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Hydro Ottawa Limited | 3025 Albion Rd N<br>Ottawa ON K1V 9V9 | NE | 84.08 | 6 |
| Hydro Ottawa Limited | 3025 Albion Road North<br>Ottawa ON K1V 9V9 | NE | 84.08 | 6 |
| Hydro Ottawa Limited | 3025 Albion Rd N<br>Ottawa ON K1V 9V9 | NE | 84.08 | 6 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Twin Realty Ltd. | 3091 Albion Rd<br>Ottawa ON | S | 227.37 | 19 |
| Twin Realty Ltd. | 3091 Albion Rd<br>Ottawa ON | S | 227.37 | 19 |

### EASR - Environmental Activity and Sector Registry

A search of the EASR database, dated Oct 2011-Jan 31, 2018 has found that there are 1 EASR site(s) within approximately 0.25 kilometers of the project property.

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| TWIN EQUIPMENT LIMITED | 3091 ALBION RD N<br>OTTAWA ON K1V 9V9 | SSE | 195.22 | 16 |

## EBR - Environmental Registry

A search of the EBR database, dated 1994-Feb 28, 2018 has found that there are 5 EBR site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Hydro Ottawa Limited | 3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA<br>ON | ENE | 117.38 | 8 |
| Canadian Solar Solutions Inc. | 3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA<br>ON | ENE | 117.38 | 8 |
| Hydro Ottawa Limited | 3025 Albion Road North Ottawa Ontario K1G 3S4 Ottawa<br>ON | ENE | 117.38 | 8 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| High Quality Paint Finishing H.Q.P.F. Inc. | 3091 Albion Road, North Suite 6 Ottawa Ontario K1V 9V9 Ottawa<br>ON | SSE | 195.22 | 16 |
| Twin Equipment Limited | 3091 Albion Road North Unit 6 Ottawa K1V 9V9 CITY OF OTTAWA<br>ON | SSE | 195.22 | 16 |

## ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Jan 31, 2018 has found that there are 5 ECA site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Hydro Ottawa Limited | 3025 Albion Rd N<br>Ottawa ON K1G 3S4 | ENE | 117.38 | 8 |
| Hydro Ottawa Limited | 3025 Albion Rd N<br>Ottawa ON K1G 3S4 | ENE | 117.38 | 8 |
| Hydro Ottawa Limited | 3025 Albion Rd N<br>Ottawa ON K1G 3S4 | ENE | 117.38 | 8 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Twin Realty Ltd. | 3091 Albion Rd<br>Ottawa ON K1V 9V9 | SSE | 195.22 | 16 |
| Twin Realty Ltd. | 3091 Albion Rd<br>Ottawa ON K1V 9V9 | SSE | 195.22 | 16 |

## EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Feb 28, 2018 has found that there are 3 EHS site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | 3025 Albion Rd N<br>Ottawa ON K1V9V9 | WSW | 72.60 | 4 |
| | 3025 Albion Road<br>Ottawa ON | NE | 84.08 | 6 |
| | 1495 Heatherington Road<br>Ottawa ON K1V 0N7 | NNW | 172.34 | 10 |

## FST - Fuel Storage Tank

A search of the FST database, dated Feb 28, 2017 has found that there are 3 FST site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD<br>OTTAWA ON K1G 3S4 | ENE | 117.38 | 8 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD<br>OTTAWA ON K1V | SSE | 195.22 | 16 |
| CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD<br>OTTAWA ON K1V | SSE | 195.22 | 16 |

## FSTH - Fuel Storage Tank - Historic

A search of the FSTH database, dated Pre-Jan 2010* has found that there are 4 FSTH site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD<br>OTTAWA ON | NE | 84.08 | 6 |
| OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD<br>OTTAWA ON | NE | 84.08 | 6 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD<br>OTTAWA ON | S | 227.37 | 19 |
| CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD<br>OTTAWA ON | S | 227.37 | 19 |

## GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-December 31, 2017 has found that there are 44 GEN site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO<br>29-266 | 3025 ALBION ROAD NORTH<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO<br>29-266 | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION ROAD NORTH<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | NE | 84.08 | 6 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON | NE | 84.08 | 6 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON | NE | 84.08 | 6 |
| Hydro One Networks Inc | 11pv-009 3025 Albion Road<br>Ottawa ON | NE | 84.08 | 6 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON | NE | 84.08 | 6 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | NE | 84.08 | 6 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | ENE | 117.38 | 8 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON | ENE | 117.38 | 8 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | ENE | 117.38 | 8 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | ENE | 117.38 | 8 |
| Hydro Ottawa ltd. | 3025 Albion RD<br>Ottawa ON K1G 3S4 | ENE | 117.38 | 8 |
| GTA'S Finest Restoration | 1455 Heatherington, Unit 217<br>ottawa ON K1V8Z3 | NNW | 176.17 | 11 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH<br>OTTAWA ON | SSE | 195.22 | 16 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5<br>Ottawa ON | SSE | 195.22 | 16 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5<br>Ottawa ON K1V9V9 | SSE | 195.22 | 16 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH<br>OTTAWA ON K1V 9V9 | SSE | 195.22 | 16 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5<br>Ottawa ON K1V9V9 | SSE | 195.22 | 16 |

| | | | | |
|---|---|---|---|---|
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | SSE | 195.22 | 16 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V9V9 | SSE | 195.22 | 16 |
| CDM Groundscare Inc. | 3091 Albion Road N Ottawa ON K1V9V9 | SSE | 195.22 | 16 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | SSE | 195.22 | 16 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | SSE | 195.22 | 16 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V9V9 | SSE | 195.22 | 16 |
| GVT. OF CAN. - NATIONAL CAPITAL | COMMISSION 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| NATIONAL CAPITAL COMMISSION 18-090 | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| ICP/3842606 CANADA INC. | 3091 ALBION ROAD NORTH, UNIT 5 OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| 3842606 CANADA INC. | 3091 ALBION ROAD NORTH, UNIT 5 OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| High Quality Paint Finishing Inc. | 3091 Albion Rd N, #6 Ottawa ON K1V 9V9 | S | 227.37 | 19 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V 9V9 | S | 227.37 | 19 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V 9V9 | S | 227.37 | 19 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |
| Industrial Concrete Pumping | 3091 Albion road North unit 5 Ottawa ON K1V 9V9 | S | 227.37 | 19 |
| TWIN EQUIPMENT OUTAOUAIS LTD. | 3091 ALBION ROAD NORTH OTTAWA ON K1V 9V9 | S | 227.37 | 19 |

## NPCB - National PCB Inventory

A search of the NPCB database, dated 1988-2008* has found that there are 7 NPCB site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION ROAD ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO ELECTRIC COMMISSION | BOX 8700; 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| HYDRO OTTAWA (WAS OTTAWA HYDRO ELECTRIC COMMI) | BOX 8700 3025 ALBION ROAD N.<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD<br>OTTAWA ON K1V 9V | S | 227.37 | 19 |
| NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD<br>OTTAWA ON K1V 9V9 | S | 227.37 | 19 |

## OPCB - Inventory of PCB Storage Sites

A search of the OPCB database, dated 1987-Oct 2004; 2012-Dec 2013 has found that there are 4 OPCB site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |

## PES - Pesticide Register

A search of the PES database, dated 1988-Mar 2018 has found that there are 1 PES site(s) within approximately 0.25 kilometers of the project property.

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| CDM GROUNDSCARE INC O/A CLINTAR GROUNDSKEEPING SERV. | 3091 ALBION ROAD, SUITE 3<br>OTTAWA ON K1V9V9 | S | 227.37 | 19 |

## PRT - Private and Retail Fuel Storage Tanks

A search of the PRT database, dated 1989-1996* has found that there are 2 PRT site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO ATT: DOUG HYDE | 3025 ALBION RD<br>OTTAWA ON K1V 9V9 | NE | 84.08 | 6 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| CHIEF TRANSPORTATION & TECHNICAL SERVICES | 3091 ALBION RD<br>OTTAWA ON K1V 9V9 | S | 227.37 | 19 |

### REC - Ontario Regulation 347 Waste Receivers Summary

A search of the REC database, dated 1986-2016 has found that there are 4 REC site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NE | 84.08 | 6 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| NATIONAL CAPITAL COMMISSION | 3091 ALBION ROAD<br>OTTAWA ON | S | 227.37 | 19 |

### SCT - Scott's Manufacturing Directory

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

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Twin Equipment Ltd. | 3091 Albion Rd N<br>Ottawa ON K1V 9V9 | S | 227.37 | 19 |
| Ottawa Quality Paint Finishing | 3091 Albion Rd N Unit 6<br>Ottawa ON K1V 9V9 | S | 227.37 | 19 |

### SPL - Ontario Spills

A search of the SPL database, dated 1988-Sep 2017 has found that there are 5 SPL site(s) within approximately 0.25 kilometers of the project property.

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| OTTAWA HYDRO | 3025 ALBION ROAD, OTTAWA HYDRO STATION. TRANSFORMER<br>OTTAWA CITY ON | NE | 84.08 | 6 |
| OTTAWA HYDRO | 3025 ALBION RD TRANSFORMER<br>OTTAWA CITY ON | NE | 84.08 | 6 |
| PUC | 3025 ALBION<br>OTTAWA CITY ON | NE | 84.08 | 6 |

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| TRANSPORT TRUCK | 2975 ALBION RD CATCH BASIN MOTOR VEHICLE (OPERATING FLUID)<br>OTTAWA CITY ON | WNW | 197.54 | 17 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| Clintar Groundskeeping Operation | 3091 Albion Road, North<br>Ottawa ON | S | 227.37 | 19 |

## WDS - Waste Disposal Sites - MOE CA Inventory

A search of the WDS database, dated Oct 2011-Jan 31, 2018 has found that there are 1 WDS site(s) within approximately 0.25 kilometers of the project property.

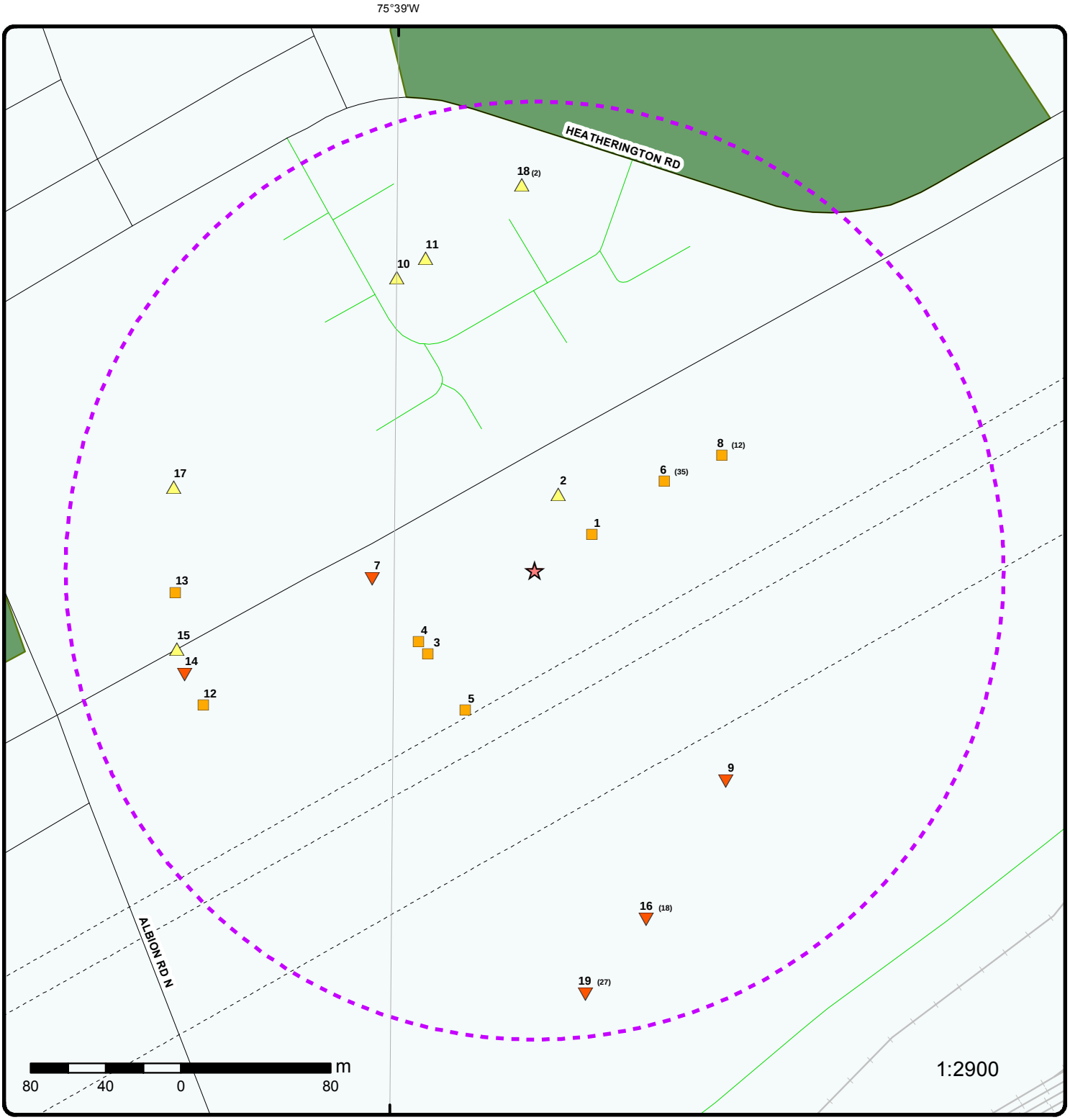
| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | 3025 ALBION ROAD, OTTAWA<br>ON | NE | 84.08 | 6 |

## WWIS - Water Well Information System

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

| Equal/Higher Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | Ottawa ON | ENE | 36.17 | 1 |
| | Ottawa ON | NNE | 42.34 | 2 |
| | Ottawa ON | WSW | 190.44 | 12 |
| | Ottawa ON | W | 191.85 | 13 |
| | Ottawa ON | WSW | 194.98 | 15 |
| | lot 1 con 4<br>ON | N | 205.64 | 18 |

| Lower Elevation | Address | Direction | Distance (m) | Map Key |
|---|---|---|---|---|
| | Ottawa ON | WSW | 194.57 | 14 |




# Map : 0.25 Kilometer Radius

Order No: 20180510039

Address: 3025 Albion Road, Ottawa, ON, K1V 9V9

ERIS
ENVIRONMENTAL RISK INFORMATION SERVICES

- Project Property
- Buffer Outline
- Eris Sites with Higher Elevation
- Eris Sites with Same Elevation
- Eris Sites with Lower Elevation
- Eris Sites with Unknown Elevation

- Expressway
- Principal Highway
- Secondary Highway
- Major Road
- Local road
- Trail
- Proposed Road
- Ferry Route/Ice Road

- Industrial and Resource - Regions
- Main Line
- Sidetrack
- Transit Line
- Abandoned Line

- National Park
- Provincial or Territorial Park
- Other Park
- Golf Course or Driving Range
- Park or Sports Field
- Other Recreation Area

**Source:** © 2015 DMTI Spatial Inc.

75°39'W

45°22'30"N


45°22'30"N

# Aerial (2017)

**Address: 3025 Albion Road, Ottawa, ON, K1V 9V9**

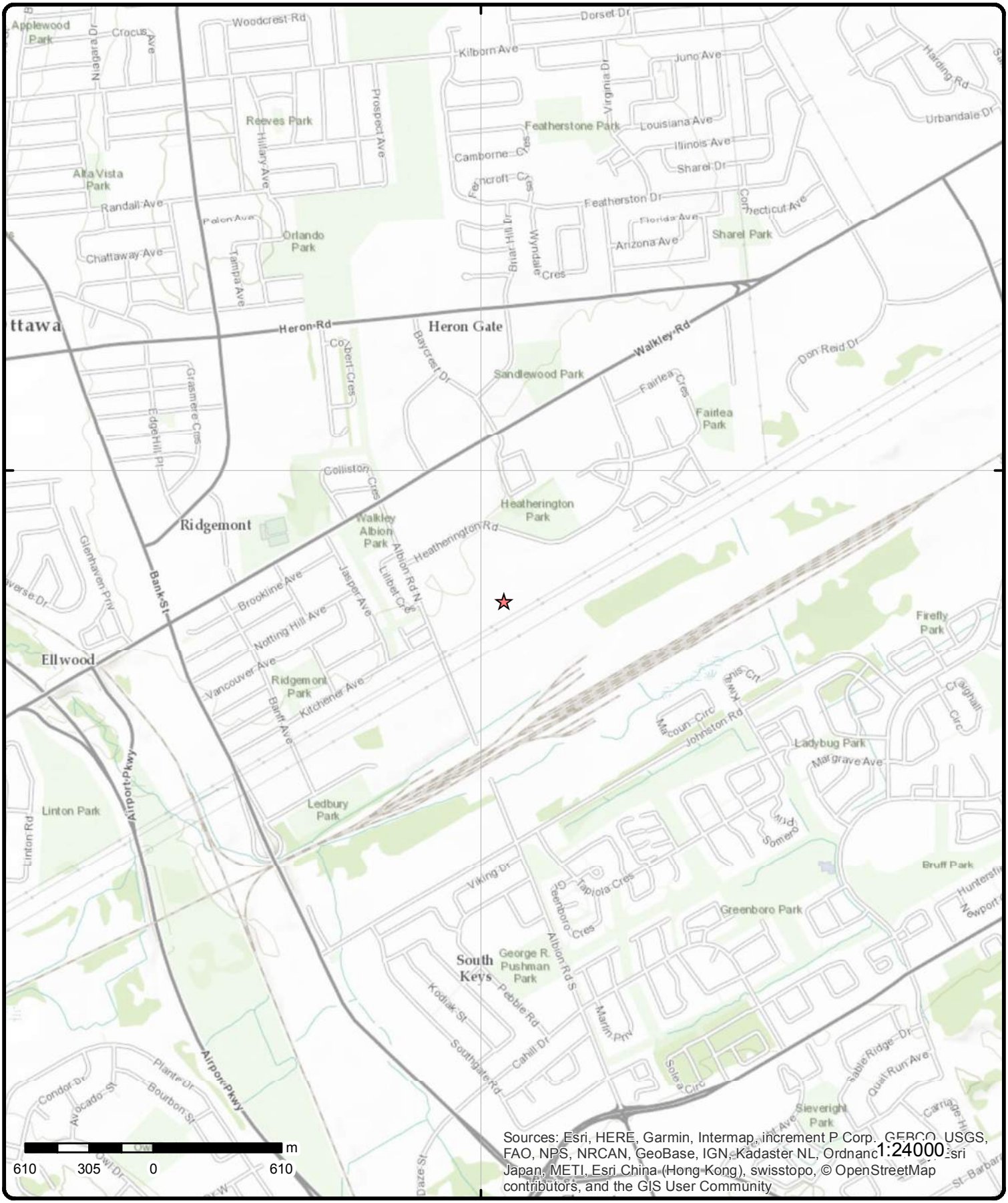
**Source:** ESRI World Imagery

Order No: 20180510039

ERIS ENVIRONMENTAL RISK INFORMATION SERVICES

75°39'W

45°22'30"N




45°22'30"N

m
610 305 0 610

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnanc[illegible] Esri Japan, METI, Esri China (Hong Kong), swisstopo, © OpenStreetMap contributors, and the GIS User Community

1:24000

# Topographic Map

Order No: 20180510039

**Address: 3025 Albion Road, Ottawa, ON, K1V 9V9**

**Source:** ESRI World Topographic Map

# Detail Report

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 1 | 1 of 1 | ENE/36.2 | 86.9 / 0.00 | Ottawa ON | WWIS |

| | | | |
|---|---|---|---|
| **Well ID:** | 7252042 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Monitoring and Test Hole | **Date Received:** | 11/16/2015 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | 1 |
| **Final Well Status:** | Monitoring and Test Hole | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 7241 |
| **Casing Material:** | | **Form Version:** | 7 |
| **Audit No:** | Z215073 | **Owner:** | |
| **Tag:** | A178563 | **Street Name:** | 3025 ALBION ROAD |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GLOUCESTER TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005798098 | **Spatial Status:** | |
| **DP2BR:** | | **Cluster Kind:** | |
| **Code OB:** | | **UTMRC:** | 4 |
| **Code OB Desc:** | | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Open Hole:** | | **Location Method:** | wwr |
| **Elevation:** | 88.169113 | **Org CS:** | UTM83 |
| **Elevrc:** | | **Date Completed:** | 10/11/2015 |
| **Remarks:** | | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005817665 |
| **Layer:** | 1 |
| **Color:** | 5 |
| **General Color:** | YELLOW |
| **Mat1:** | 11 |
| **Most Common Material:** | GRAVEL |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | 85 |

***Other Materials:*** SOFT
***Formation Top Depth:*** 0.00
***Formation End Depth:*** 0.61
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817666
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:***
***Other Materials:***
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 0.61
***Formation End Depth:*** 1.50
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817667
***Layer:*** 3
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 84
***Other Materials:*** SILTY
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 1.50
***Formation End Depth:*** 3.66
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817668
***Layer:*** 4
***Color:*** 5
***General Color:*** YELLOW
***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 84
***Other Materials:*** SILTY
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 3.66
***Formation End Depth:*** 5.49
***Formation End Depth UOM:*** m

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

***Plug ID:*** 1005817676
***Layer:*** 1
***Plug From:*** 0.00
***Plug To:*** 0.31
***Plug Depth UOM:*** m

***Plug ID:*** 1005817677
***Layer:*** 2
***Plug From:*** 0.31
***Plug To:*** 2.13
***Plug Depth UOM:*** m

***Plug ID:*** 1005817678
***Layer:*** 3
***Plug From:*** 2.13

| | |
|---|---|
| ***Plug To:*** | 5.49 |
| ***Plug Depth UOM:*** | m |

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

| | |
|---|---|
| ***Method Construction ID:*** | 1005817675 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005817664 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005817671 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.00 |
| ***Depth To:*** | 2.44 |
| ***Casing Diameter:*** | 4.03 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005817672 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 2.44 |
| ***Screen End Depth:*** | 5.49 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.82 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005817670 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005817669 |
| ***Diameter:*** | 8.25 |
| ***Depth From:*** | 0.00 |
| ***Depth To:*** | 5.49 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 2 | 1 of 1 | NNE/42.3 | 87.2 / 0.31 | Ottawa ON | WWIS |

| | | | |
|---|---|---|---|
| **Well ID:** | 7252043 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Monitoring and Test Hole | **Date Received:** | 11/16/2015 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | 1 |
| **Final Well Status:** | Monitoring and Test Hole | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 7241 |
| **Casing Material:** | | **Form Version:** | 7 |
| **Audit No:** | Z215072 | **Owner:** | |
| **Tag:** | A178564 | **Street Name:** | 3025 ALBION ROAD |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GLOUCESTER TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005798101 | **Spatial Status:** | |
| **DP2BR:** | | **Cluster Kind:** | |
| **Code OB:** | | **UTMRC:** | 4 |
| **Code OB Desc:** | | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Open Hole:** | | **Location Method:** | wwr |
| **Elevation:** | 88.130371 | **Org CS:** | UTM83 |
| **Elevrc:** | | **Date Completed:** | 10/16/2015 |
| **Remarks:** | | | |
| **Elevrc Desc:** | | | |
| **Location Source Date:** | | | |
| **Improvement Location Source:** | | | |
| **Improvement Location Method:** | | | |
| **Source Revision Comment:** | | | |
| **Supplier Comment:** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| **Formation ID:** | 1005817680 |
| **Layer:** | 1 |
| **Color:** | 2 |
| **General Color:** | GREY |
| **Mat1:** | 11 |
| **Most Common Material:** | GRAVEL |
| **Mat2:** | |
| **Other Materials:** | |
| **Mat3:** | |
| **Other Materials:** | |
| **Formation Top Depth:** | 0.00 |
| **Formation End Depth:** | 0.61 |
| **Formation End Depth UOM:** | m |

| | |
|---|---|
| **Formation ID:** | 1005817681 |
| **Layer:** | 2 |
| **Color:** | 6 |
| **General Color:** | BROWN |
| **Mat1:** | 28 |

| | |
|---|---|
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 06 |
| ***Other Materials:*** | SILT |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0.61 |
| ***Formation End Depth:*** | 3.10 |
| ***Formation End Depth UOM:*** | m |
| | |
| ***Formation ID:*** | 1005817682 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 84 |
| ***Other Materials:*** | SILTY |
| ***Formation Top Depth:*** | 3.10 |
| ***Formation End Depth:*** | 4.57 |
| ***Formation End Depth UOM:*** | m |

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

| | |
|---|---|
| ***Plug ID:*** | 1005817690 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.00 |
| ***Plug To:*** | 0.31 |
| ***Plug Depth UOM:*** | m |
| | |
| ***Plug ID:*** | 1005817691 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.31 |
| ***Plug To:*** | 1.22 |
| ***Plug Depth UOM:*** | m |
| | |
| ***Plug ID:*** | 1005817692 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 1.22 |
| ***Plug To:*** | 4.57 |
| ***Plug Depth UOM:*** | m |

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

| | |
|---|---|
| ***Method Construction ID:*** | 1005817689 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005817679 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005817685 |

| | |
|---|---|
| **Layer:** | 1 |
| **Material:** | 5 |
| **Open Hole or Material:** | PLASTIC |
| **Depth From:** | 0.00 |
| **Depth To:** | 1.50 |
| **Casing Diameter:** | 4.03 |
| **Casing Diameter UOM:** | cm |
| **Casing Depth UOM:** | m |

***Construction Record - Screen***

| | |
|---|---|
| **Screen ID:** | 1005817686 |
| **Layer:** | 1 |
| **Slot:** | 10 |
| **Screen Top Depth:** | 1.50 |
| **Screen End Depth:** | 4.57 |
| **Screen Material:** | 5 |
| **Screen Depth UOM:** | m |
| **Screen Diameter UOM:** | cm |
| **Screen Diameter:** | 4.82 |

***Water Details***

| | |
|---|---|
| **Water ID:** | 1005817684 |
| **Layer:** | |
| **Kind Code:** | |
| **Kind:** | |
| **Water Found Depth:** | |
| **Water Found Depth UOM:** | m |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1005817683 |
| **Diameter:** | 8.25 |
| **Depth From:** | 0.00 |
| **Depth To:** | 4.57 |
| **Hole Depth UOM:** | m |
| **Hole Diameter UOM:** | cm |

---

**3** ***1 of 1*** ***SW/72.1*** ***86.9 / 0.00*** ***ON*** ***BORE***

| | | | |
|---|---|---|---|
| **Borehole ID:** | 612716 | **Type:** | Borehole |
| **Use:** | | **Status::** | |
| **Drill Method::** | | **UTM Zone::** | 18 |
| **Easting::** | 449121 | **Northing::** | 5024332 |
| **Location Accuracy::** | | **Orig. Ground Elev m::** | 85.1 |
| **Elev. Reliability Note::** | | **DEM Ground Elev m::** | 88.7 |
| **Total Depth m::** | 8.2 | **Primary Name::** | |
| **Township::** | | **Concession::** | |
| **Lot::** | | **Municipality:** | |
| **Completion Date::** | JAN-1973 | **Static Water Level::** | -999.9 |
| **Primary Water Use::** | | **Sec. Water Use::** | |

***--Details--***

| | | | |
|---|---|---|---|
| **Stratum ID:** | 218392213 | **Top Depth(m):** | 0.0 |
| **Bottom Depth(m):** | 0.5 | **Stratum Desc:** | ARTIFICIAL. CRUSHED. |
| **Stratum ID:** | 218392214 | **Top Depth(m):** | 0.5 |
| **Bottom Depth(m):** | 1.5 | **Stratum Desc:** | SAND. DENSE,LAYERED. |
| **Stratum ID:** | 218392215 | **Top Depth(m):** | 1.5 |

| | | | |
|---|---|---|---|
| **Bottom Depth(m):** | 2.3 | **Stratum Desc:** | SAND-FINE TO COARSE.DENSE,LOOSE. |
| **Stratum ID:** | 218392216 | **Top Depth(m):** | 2.3 |
| **Bottom Depth(m):** | 6.6 | **Stratum Desc:** | UNSPECIFIED. LOOSE TO COMPACT. |
| **Stratum ID:** | 218392217 | **Top Depth(m):** | 6.6 |
| **Bottom Depth(m):** | 7.6 | **Stratum Desc:** | UNSPECIFIED. |
| **Stratum ID:** | 218392218 | **Top Depth(m):** | 7.6 |
| **Bottom Depth(m):** | 8.2 | **Stratum Desc:** | UNSPECIFIED. 00018 022 00050 020 00075 012 000180210005000600075009 0050 00100 |

---

**4** **1 of 1** **WSW/72.6** **86.9 / 0.00** ***3025 Albion Rd N Ottawa ON K1V9V9*** **EHS**

| | | | |
|---|---|---|---|
| **Order ID:** | 424205 | **Date Received:** | 02-SEP-15 |
| **Order No:** | 20150902076 | **Lot/Building Size:** | |
| **Customer ID:** | 77170 | **Municipality:** | |
| **Company ID:** | 97 | **Client Prov/State:** | ON |
| **Status:** | C | **Search Radius (km):** | .25 |
| **Report Code:** | 4CAN | **Large Radius:** | .3 |
| **Report Type:** | Custom Report | **X:** | -75.649821 |
| **Report Date:** | 25-SEP-15 | **Y:** | 45.370714 |
| **Report Requested by:** | exp Services Inc. | | |
| **Nearest Intersection:** | | | |
| **Previous Site Name:** | | | |
| **Additional Info Ordered:** | | | |

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**5** **1 of 1** **SSW/82.9** **86.9 / 0.00** ***ON*** **BORE**

| | | | |
|---|---|---|---|
| **Borehole ID:** | 612711 | **Type:** | Borehole |
| **Use:** | | **Status::** | |
| **Drill Method::** | | **UTM Zone::** | 18 |
| **Easting::** | 449141 | **Northing::** | 5024302 |
| **Location Accuracy::** | | **Orig. Ground Elev m::** | 84.9 |
| **Elev. Reliability Note::** | | **DEM Ground Elev m::** | 88.3 |
| **Total Depth m::** | 9.1 | **Primary Name::** | |
| **Township::** | | **Concession::** | |
| **Lot::** | | **Municipality:** | |
| **Completion Date::** | JAN-1973 | **Static Water Level::** | -999.9 |
| **Primary Water Use::** | | **Sec. Water Use::** | |

***--Details--***

| | | | |
|---|---|---|---|
| **Stratum ID:** | 218392184 | **Top Depth(m):** | 0.0 |
| **Bottom Depth(m):** | 0.6 | **Stratum Desc:** | ARTIFICIAL. CRUSHED. |
| **Stratum ID:** | 218392185 | **Top Depth(m):** | 0.6 |
| **Bottom Depth(m):** | 1.5 | **Stratum Desc:** | ARTIFICIAL. |
| **Stratum ID:** | 218392186 | **Top Depth(m):** | 1.5 |
| **Bottom Depth(m):** | 1.8 | **Stratum Desc:** | SAND. DENSE. |
| **Stratum ID:** | 218392187 | **Top Depth(m):** | 1.8 |
| **Bottom Depth(m):** | 3.0 | **Stratum Desc:** | CLAY. BROWN,GREY,STIFF,FISSURED. |
| **Stratum ID:** | 218392188 | **Top Depth(m):** | 3.0 |
| **Bottom Depth(m):** | 3.5 | **Stratum Desc:** | CLAY. GREY,SOFT,FISSURED. |
| **Stratum ID:** | 218392189 | **Top Depth(m):** | 3.5 |

| | | | |
|---|---|---|---|
| **Bottom Depth(m):** | 4.3 | **Stratum Desc:** | CLAY. GREY. |
| **Stratum ID:** | 218392190 | **Top Depth(m):** | 4.3 |
| **Bottom Depth(m):** | 5.2 | **Stratum Desc:** | UNSPECIFIED. LOOSE. |
| **Stratum ID:** | 218392191 | **Top Depth(m):** | 5.2 |
| **Bottom Depth(m):** | 5.5 | **Stratum Desc:** | UNSPECIFIED. |
| **Stratum ID:** | 218392192 | **Top Depth(m):** | 5.5 |
| **Bottom Depth(m):** | 9.1 | **Stratum Desc:** | UNSPECIFIED. 00020 018 00050 025 00060 050 00100 092 00115 023 00140 013 |

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**6** ***1 of 35*** ***NE/84.1*** ***86.9 / 0.00*** ***Hydro Ottawa Limited*** ***CA***
***3025 Albion Rd N***
***Ottawa ON K1V 9V9***

| | |
|---|---|
| **Certificate #:** | 0632-855SH4 |
| **Application Year:** | 2010 |
| **Issue Date:** | 6/3/2010 |
| **Approval Type:** | Air |
| **Status:** | Approved |
| **Application Type:** | |
| **Client Name::** | |
| **Client Address::** | |
| **Client City::** | |
| **Client Postal Code::** | |
| **Project Description::** | |
| **Contaminants::** | |
| **Emission Control::** | |

---

**6** ***2 of 35*** ***NE/84.1*** ***86.9 / 0.00*** ***Hydro Ottawa Limited*** ***CA***
***3025 Albion Road North***
***Ottawa ON K1V 9V9***

| | |
|---|---|
| **Certificate #:** | 1339-6G8QJ8 |
| **Application Year:** | 2006 |
| **Issue Date:** | 5/26/2006 |
| **Approval Type:** | Air |
| **Status:** | Revoked and/or Replaced |
| **Application Type:** | |
| **Client Name::** | |
| **Client Address::** | |
| **Client City::** | |
| **Client Postal Code::** | |
| **Project Description::** | |
| **Contaminants::** | |
| **Emission Control::** | |

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**6** ***3 of 35*** ***NE/84.1*** ***86.9 / 0.00*** ***Hydro Ottawa Limited*** ***CA***
***3025 Albion Rd N***
***Ottawa ON K1V 9V9***

| | |
|---|---|
| **Certificate #:** | 2098-7UMK8E |
| **Application Year:** | 2009 |
| **Issue Date:** | 8/10/2009 |
| **Approval Type:** | Industrial Sewage Works |
| **Status:** | Approved |
| **Application Type:** | |
| **Client Name::** | |
| **Client Address::** | |

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

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

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**6** | ***4 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***3025 Albion Road Ottawa ON*** | ***EHS***

| | | | |
|---|---|---|---|
| ***Order ID:*** | 129563 | ***Date Received:*** | 3/4/2008 |
| ***Order No:*** | 20080304010 | ***Lot/Building Size:*** | |
| ***Customer ID:*** | 60728 | ***Municipality:*** | |
| ***Company ID:*** | 97 | ***Client Prov/State:*** | ON |
| ***Status:*** | C | ***Search Radius (km):*** | 0.25 |
| ***Report Code:*** | 4CAN | ***Large Radius:*** | 0.25 |
| ***Report Type:*** | Custom Report | ***X:*** | -75.647858 |
| ***Report Date:*** | 3/12/2008 | ***Y:*** | 45.371092 |
| ***Report Requested by:*** | Trow Associates Inc. | | |
| ***Nearest Intersection:*** | | | |
| ***Previous Site Name:*** | | | |
| ***Additional Info Ordered:*** | Fire Insur. Maps And /or Site Plans | | |

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**6** | ***5 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***OTTAWA HYDRO ATT: DOUG HYDE 3025 ALBION RD OTTAWA ON*** | ***FSTH***

| | |
|---|---|
| ***License Issue Date:*** | 11/8/1990 |
| ***Tank Status:*** | Licensed |
| ***Tank Status As Of:*** | August 2007 |
| ***Operation Type:*** | Private Fuel Outlet |
| ***Facility Type:*** | Gasoline Station - Self Serve |

***--Details--***

| | |
|---|---|
| ***Status:*** | Active |
| ***Year of Installation:*** | 1989 |
| ***Corrosion Protection:*** | |
| ***Capacity:*** | 22730 |
| ***Tank Fuel Type:*** | Liquid Fuel Single Wall UST - Gasoline |

---

**6** | ***6 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***OTTAWA HYDRO ATT: DOUG HYDE 3025 ALBION RD OTTAWA ON*** | ***FSTH***

| | |
|---|---|
| ***License Issue Date:*** | 11/8/1990 |
| ***Tank Status:*** | Licensed |
| ***Tank Status As Of:*** | December 2008 |
| ***Operation Type:*** | Private Fuel Outlet |
| ***Facility Type:*** | Gasoline Station - Self Serve |

***--Details--***

| | |
|---|---|
| ***Status:*** | Active |
| ***Year of Installation:*** | 1989 |
| ***Corrosion Protection:*** | |
| ***Capacity:*** | 22730 |
| ***Tank Fuel Type:*** | Liquid Fuel Single Wall UST - Gasoline |

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 7 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | GEN |

**Generator No.:** 402-85A017
**Status:**
**Approval Years:** 86
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 030
**SIC Description:**

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 8 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | GEN |

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 86,87
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 4911
**SIC Description:** ELECT. POWER SYS.

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 9 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | GEN |

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 88,89,90
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 4911
**SIC Description:** ELECT. POWER SYS.

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 10 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION ROAD NORTH<br>OTTAWA ON K1G 3S4 | GEN |

29-266

**Generator No.:** ON0456601
**Status:**

**PO Box No.:**
**Country:**

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

**Approval Years:** 92,93,95,96
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 4911
**SIC Description:** ELECT. POWER SYS.

**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 242
**Waste Description:** HALOGENATED PESTICIDES

**Waste Code:** 243
**Waste Description:** PCB'S

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | 11 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION RD.<br>OTTAWA ON K1G 3S4 | 29-266 | GEN |

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 94
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 4911
**SIC Description:** ELECT. POWER SYS.

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 243
**Waste Description:** PCB'S

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

| | | | | | | |
|---|---|---|---|---|---|---|
| 6 | 12 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION ROAD NORTH<br>OTTAWA ON K1G 3S4 | | GEN |

**Generator No.:** ON0456601

**PO Box No.:**

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

**Status:** **Country:**
**Approval Years:** 97,98,99,00,01 **Choice of Contact:**
**Contam. Facility:** **Co Admin:**
**MHSW Facility:** **Phone No. Admin:**
**SIC Code:** 4911
**SIC Description:** ELECT. POWER SYS.

***--Details--***
**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 242
**Waste Description:** HALOGENATED PESTICIDES

**Waste Code:** 243
**Waste Description:** PCB'S

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 13 of 35 | NE/84.1 | 86.9 / 0.00 | Hydro Ottawa ltd.<br>3025 Albion RD<br>Ottawa ON K1G 3S4 | GEN |

**Generator No.:** ON0456601 **PO Box No.:**
**Status:** **Country:**
**Approval Years:** 02,03,04,05,06,07,08 **Choice of Contact:**
**Contam. Facility:** **Co Admin:**
**MHSW Facility:** **Phone No. Admin:**
**SIC Code:**
**SIC Description:**

***--Details--***
**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 242
**Waste Description:** HALOGENATED PESTICIDES

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 243
**Waste Description:** PCB'S

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

---

**6** | **14 of 35** | **NE/84.1** | **86.9 / 0.00** | **Hydro Ottawa ltd.**
**3025 Albion RD**
**Ottawa ON** | **GEN**

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 2009
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 221122, 232510
**SIC Description:** Electric Power Distribution

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 148

**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 243
**Waste Description:** PCBS

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

---

**6** | **15 of 35** | **NE/84.1** | **86.9 / 0.00** | **Hydro Ottawa ltd.**
**3025 Albion RD**
**Ottawa ON** | **GEN**

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 2010
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 221122
**SIC Description:** Electric Power Distribution

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 243
**Waste Description:** PCBS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 16 of 35 | NE/84.1 | 86.9 / 0.00 | **Hydro One Networks Inc**<br>**11pv-009 3025 Albion Road**<br>**Ottawa ON** | GEN |

**Generator No.:** ON9346624
**Status:**
**Approval Years:** 2011
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 221122
**SIC Description:**

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 17 of 35 | NE/84.1 | 86.9 / 0.00 | **Hydro Ottawa ltd.**<br>**3025 Albion RD**<br>**Ottawa ON** | GEN |

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 2011
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 221122
**SIC Description:** Electric Power Distribution

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 243
**Waste Description:** PCBS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

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**6** | **18 of 35** | **NE/84.1** | **86.9 / 0.00** | **Hydro Ottawa ltd.**
**3025 Albion RD**
**Ottawa ON K1G 3S4** | **GEN**

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 2012
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 221122
**SIC Description:** Electric Power Distribution

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 243
**Waste Description:** PCBS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 19 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO ELECTRIC COMMISSION<br>BOX 8700; 3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NPCB |

**Company Code:** O0053
**Industry:** Utility
**Site Status:**
**Transaction Date:** 10/25/1990
**Inspection Date:**

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 20 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | NPCB |

**Company Code:** F1492
**Industry:**
**Site Status:**
**Transaction Date:** 1/29/1996
**Inspection Date:**

***--Details--***
**Label:**
**Serial No.:**
**PCB Type/Code:** Low 50 - 10,000 ppm
**Location:**
**Item/State:**
**No. of Items:**
**Manufacturer:**
**Status:** Stored for Disposal
**Contents:** 160.00 KG

**Label:**
**Serial No.:**
**PCB Type/Code:** Unknown concentration
**Location:**
**Item/State:**
**No. of Items:**
**Manufacturer:**
**Status:** Stored for Disposal
**Contents:** 184.00 KG

**Label:**
**Serial No.:**
**PCB Type/Code:** High > 10,000 ppm
**Location:**

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

***Item/State:***
***No. of Items:***
***Manufacturer:***
***Status:*** Stored for Disposal
***Contents:*** 1200.00 KG

***Label:***
***Serial No.:***
***PCB Type/Code:*** Low 50 - 10,000 ppm
***Location:***
***Item/State:***
***No. of Items:***
***Manufacturer:***
***Status:*** Stored for Disposal
***Contents:*** 1200.00 KG

***Label:***
***Serial No.:***
***PCB Type/Code:*** Askarel
***Location:***
***Item/State:***
***No. of Items:***
***Manufacturer:***
***Status:*** Stored for Disposal
***Contents:*** 1261.00 KG

***Label:***
***Serial No.:***
***PCB Type/Code:*** High > 10,000 ppm
***Location:***
***Item/State:***
***No. of Items:***
***Manufacturer:***
***Status:*** Stored for Disposal
***Contents:*** 1350.00 KG

***Label:***
***Serial No.:***
***PCB Type/Code:*** Askarel
***Location:***
***Item/State:***
***No. of Items:***
***Manufacturer:***
***Status:*** Stored for Disposal
***Contents:*** 2600.00 KG

***Label:***
***Serial No.:***
***PCB Type/Code:*** Askarel
***Location:***
***Item/State:***
***No. of Items:***
***Manufacturer:***
***Status:*** Stored for Disposal
***Contents:*** 2800.00 KG

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| | | | | | |
|---|---|---|---|---|---|
| 6 | *21 of 35* | *NE/84.1* | *86.9 / 0.00* | ***OTTAWA HYDRO***<br>***3025 ALBION ROAD ALBION ROAD***<br>***OTTAWA ON K1G 3S4*** | *NPCB* |

***Company Code:*** F1313
***Industry:***
***Site Status:***
***Transaction Date:***

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| ***Inspection Date:*** | | | | | |
| ***--Details--*** | | | | | |
| ***Label:*** | | | | | |
| ***Serial No.:*** | | | | | |
| ***PCB Type/Code:*** | | | | | |
| ***Location:*** | | | | | |
| ***Item/State:*** | | | | | |
| ***No. of Items:*** | | | | | |
| ***Manufacturer:*** | | | | | |
| ***Status:*** | | In-Storage | | | |
| ***Contents:*** | | | | | |
| **6** | ***22 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***HYDRO OTTAWA (WAS OTTAWA HYDRO ELECTRIC COMMI)<br>BOX 8700 3025 ALBION ROAD N.<br>OTTAWA ON K1G 3S4*** | ***NPCB*** |
| ***Company Code:*** | | O0053 | | | |
| ***Industry:*** | | UTILITY | | | |
| ***Site Status:*** | | NO MORE PCB'S ON THIS SITE | | | |
| ***Transaction Date:*** | | 2/12/1991 | | | |
| ***Inspection Date:*** | | | | | |
| **6** | ***23 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***OTTAWA HYDRO<br>3025 ALBION ROAD<br>OTTAWA ON K1G 3S4*** | ***NPCB*** |
| ***Company Code:*** | | F1336 | | | |
| ***Industry:*** | | UNDEFINED | | | |
| ***Site Status:*** | | | | | |
| ***Transaction Date:*** | | | | | |
| ***Inspection Date:*** | | | | | |
| ***--Details--*** | | | | | |
| ***Label:*** | | F133601 | | | |
| ***Serial No.:*** | | | | | |
| ***PCB Type/Code:*** | | ASKAREL/ASKAREL | | | |
| ***Location:*** | | | | | |
| ***Item/State:*** | | TRANSFORMER/FULL | | | |
| ***No. of Items:*** | | 34 | | | |
| ***Manufacturer:*** | | | | | |
| ***Status:*** | | STORED FOR DISPOSAL | | | |
| ***Contents:*** | | 1250 KG | | | |
| ***Label:*** | | F133600 | | | |
| ***Serial No.:*** | | | | | |
| ***PCB Type/Code:*** | | ASKAREL/ASKAREL | | | |
| ***Location:*** | | | | | |
| ***Item/State:*** | | BARREL PCB ASKAREL/FULL | | | |
| ***No. of Items:*** | | 70 | | | |
| ***Manufacturer:*** | | | | | |
| ***Status:*** | | STORED FOR DISPOSAL | | | |
| ***Contents:*** | | 20866 KG | | | |
| **6** | ***24 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***OTTAWA HYDRO<br>3025 ALBION ROAD<br>OTTAWA ON K1G 3S4*** | ***OPCB*** |

***Year:*** 1998
***Site Number:*** 40288A268
***Name Owner:***
***Additional Site Information:***

***--Details--***
***Quantity:*** 20866.00
***Address Site:***
***Description:*** Weight of Bulk Liquid with High Level PCBs (>1000 ppm) kg

***Quantity:*** 1250.00
***Address Site:***
***Description:*** Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg

***Quantity:*** 34.00
***Address Site:***
***Description:*** Number of Transformers with High Level PCBs (>1000 ppm)

***Quantity:*** 9369.00
***Address Site:***
***Description:*** Number of Capacitors with High Level PCBs (>1000 ppm)

***Quantity:*** 11.00
***Address Site:***
***Description:*** Number of Drums of Other Material with High Level PCBs (>1000 ppm)

***Quantity:*** 1650.00
***Address Site:***
***Description:*** Calculated Weight (Kg) of Drums of Other Material with High Level PCBs (>1000 ppm) kg

***Quantity:*** 12.00
***Address Site:***
***Description:*** Number of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 4800.00
***Address Site:***
***Description:*** Calculated Weight (Kg) of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 86.00
***Address Site:***
***Description:*** Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 12900.00
***Address Site:***
***Description:*** Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

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| | | | | | |
|---|---|---|---|---|---|
| ***6*** | ***25 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***OTTAWA HYDRO<br>3025 ALBION ROAD<br>OTTAWA ON K1G 3S4*** | ***OPCB*** |

***Year:*** 1999
***Site Number:*** 40288A268
***Name Owner:***
***Additional Site Information:***

***--Details--***
***Quantity:*** 20866.00
***Address Site:***
***Description:*** Weight of Bulk Liquid with High Level PCBs (>1000 ppm) kg

***Quantity:*** 1250.00
***Address Site:***

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

***Description:*** Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg

***Quantity:*** 34.00
***Address Site:***
***Description:*** Number of Transformers with High Level PCBs (>1000 ppm)

***Quantity:*** 9369.00
***Address Site:***
***Description:*** Number of Capacitors with High Level PCBs (>1000 ppm)

***Quantity:*** 11.00
***Address Site:***
***Description:*** Number of Drums of Other Material with High Level PCBs (>1000 ppm)

***Quantity:*** 1650.00
***Address Site:***
***Description:*** Calculated Weight (Kg) of Drums of Other Material with High Level PCBs (>1000 ppm) kg

***Quantity:*** 12.00
***Address Site:***
***Description:*** Number of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 4800.00
***Address Site:***
***Description:*** Calculated Weight (Kg) of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 86.00
***Address Site:***
***Description:*** Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 12900.00
***Address Site:***
***Description:*** Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

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| | | | | | |
|---|---|---|---|---|---|
| 6 | *26 of 35* | *NE/84.1* | *86.9 / 0.00* | ***OTTAWA HYDRO***<br>***3025 ALBION ROAD***<br>***OTTAWA ON K1G 3S4*** | ***OPCB*** |

***Year:*** 2000
***Site Number:*** 40288A268
***Name Owner:***
***Additional Site Information:***

***--Details--***
***Quantity:*** 20866.00
***Address Site:***
***Description:*** Weight of Bulk Liquid with High Level PCBs (>1000 ppm) kg

***Quantity:*** 1250.00
***Address Site:***
***Description:*** Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg

***Quantity:*** 34.00
***Address Site:***
***Description:*** Number of Transformers with High Level PCBs (>1000 ppm)

***Quantity:*** 12.00
***Address Site:***
***Description:*** Number of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 9369.00
***Address Site:***
***Description:*** Number of Capacitors with High Level PCBs (>1000 ppm)

***Quantity:*** 4800.00
***Address Site:***
***Description:*** Calculated Weight (Kg) of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 86.00
***Address Site:***
***Description:*** Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 11.00
***Address Site:***
***Description:*** Number of Drums of Other Material with High Level PCBs (>1000 ppm)

***Quantity:*** 1650.00
***Address Site:***
***Description:*** Calculated Weight (Kg) of Drums of Other Material with High Level PCBs (>1000 ppm) kg

***Quantity:*** 12900.00
***Address Site:***
***Description:*** Calculated Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

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**6** | ***27 of 35*** | ***NE/84.1*** | ***86.9 / 0.00*** | ***OTTAWA HYDRO***
***3025 ALBION ROAD***
***OTTAWA ON K1G 3S4*** | ***OPCB***

***Year:*** 1995
***Site Number:*** 40288A268
***Name Owner:***
***Additional Site Information:***

***--Details--***
***Quantity:*** 12.00
***Address Site:***
***Description:*** Number of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 4800.00
***Address Site:***
***Description:*** Weight of Drums of Soil with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 72.00
***Address Site:***
***Description:*** Number of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 10800.00
***Address Site:***
***Description:*** Weight of Drums of Other Material with Low Level PCBs (< 1000 ppm) kg

***Quantity:*** 27126.00
***Address Site:***
***Description:*** Weight of Bulk Liquid with High Level PCBs (>1000 ppm) kg

***Quantity:*** 1625.00
***Address Site:***
***Description:*** Weight of Liquid in Transformer with High Level PCBs (>1000 ppm) kg

***Quantity:*** 34.00
***Address Site:***
***Description:*** Number of Transformers with High Level PCBs (>1000 ppm)

***Quantity:*** 9369.00
***Address Site:***
***Description:*** Number of Capacitors with High Level PCBs (>1000 ppm)

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

**Quantity:** 11.00
**Address Site:**
**Description:** Number of Drums of Other Material with High Level PCBs (>1000 ppm)

**Quantity:** 1650.00
**Address Site:**
**Description:** Weight of Drums of Other Material with High Level PCBs (>1000 ppm) kg

---

**6** | **28 of 35** | **NE/84.1** | **86.9 / 0.00** | **OTTAWA HYDRO ATT: DOUG HYDE**
**3025 ALBION RD**
**OTTAWA ON K1V 9V9** | **PRT**

**Location ID:** 10825
**Type:** private
**Expiry Date:**
**Capacity (L):** 22730.00
**Licence #:** 0001019141

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**6** | **29 of 35** | **NE/84.1** | **86.9 / 0.00** | **OTTAWA HYDRO**
**3025 ALBION RD.**
**OTTAWA ON K1G 3S4** | **REC**

**Rec Op Div:**
**Co Admin:**
**Phone No Admin:**
**Rec Div:**
**Rec Op Name:**
**Choice of Contact:**
**Site Bldg:**
**Site PO Box:**
**Receiver #::** 402-85A017
**Facility Type:** PCB STORAGE SITE
**Approval Yrs::** 01,02,03,04,05,06,07,08

***--Details--***
**Waste Code:** 243
**Waste Description:** PCB'S

---

**6** | **30 of 35** | **NE/84.1** | **86.9 / 0.00** | **OTTAWA HYDRO**
**3025 ALBION RD.**
**OTTAWA ON K1G 3S4** | **REC**

**Rec Op Div:**
**Co Admin:**
**Phone No Admin:**
**Rec Div:**
**Rec Op Name:**
**Choice of Contact:**
**Site Bldg:**
**Site PO Box:**
**Receiver #::** 402-85A017
**Facility Type:** TRANSFER STATION
**Approval Yrs::** 87,88,89,90,92,94,95,96,97,98,99,00

***--Details--***
**Waste Code:** 243
**Waste Description:** PCB'S

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 31 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION ROAD<br>OTTAWA ON K1G 3S4 | REC |

**Rec Op Div:**
**Co Admin:**
**Phone No Admin:**
**Rec Div:**
**Rec Op Name:**
**Choice of Contact:**
**Site Bldg:**
**Site PO Box:**
**Receiver #::** 402-88A268
**Facility Type:** TRANSFER STATION
**Approval Yrs::** 92,94,95,96,97,98,99,00,01,02,03,04,05,06,07,08

**--Details--**
**Waste Code:** 243
**Waste Description:** PCB'S

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 32 of 35 | NE/84.1 | 86.9 / 0.00 | PUC<br>3025 ALBION<br>OTTAWA CITY ON | SPL |

**Ref No:** 6265
**Contaminant Name:**
**Contaminant Code:**
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Contaminant Qty:**
**Material Group:**
**MOE Reported Dt:** 7/7/1988
**Health/Env Conseq:**
**Incident Dt:** 7/7/1988
**Incident Cause:** COOLING SYSTEM LEAK
**Incident Event:**
**Incident Reason:** ERROR
**Incident Summary:** OTTAWA HYDRO - <1 LITRE TRANSFORMER OIL (PCB) TO ASPHALT.

**Sector Type:**
**Source Type:**
**Receiving Medium:** LAND
**Receiving Env:**
**Environment Impact:**
**Nature of Impact:**
**SAC Action Class:**
**Year:**
**Site Address:**
**Site Conc:**
**Site Lot:**
**Site County/District:**
**Site Municipality:** 20101
**Site Postal Code:**

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 33 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION RD TRANSFORMER<br>OTTAWA CITY ON | SPL |

**Ref No:** 85125
**Contaminant Name:**
**Contaminant Code:**
**Contaminant Limit 1:**
**Contam Limit Freq 1:**
**Contaminant UN No 1:**
**Contaminant Qty:**
**Material Group:**
**MOE Reported Dt:** 5/5/1993
**Health/Env Conseq:**
**Incident Dt:** 5/5/1993
**Incident Cause:** COOLING SYSTEM LEAK
**Incident Event:**
**Incident Reason:** EQUIPMENT FAILURE
**Incident Summary:** OTTAWA HYDRO: 1L MINERAL OIL TO GROUND FROM TRANSFORMER.

**Sector Type:**
**Source Type:**
**Receiving Medium:** LAND
**Receiving Env:**
**Environment Impact:** POSSIBLE
**Nature of Impact:** Soil contamination
**SAC Action Class:**
**Year:**
**Site Address:**
**Site Conc:**
**Site Lot:**
**Site County/District:**
**Site Municipality:** 20101
**Site Postal Code:**

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 34 of 35 | NE/84.1 | 86.9 / 0.00 | OTTAWA HYDRO<br>3025 ALBION ROAD, OTTAWA HYDRO STATION. TRANSFORMER<br>OTTAWA CITY ON | SPL |

| | | | |
|---|---|---|---|
| **Ref No:** | 154855 | **Sector Type:** | |
| **Contaminant Name:** | | **Source Type:** | |
| **Contaminant Code:** | | **Receiving Medium:** | LAND |
| **Contaminant Limit 1:** | | **Receiving Env:** | |
| **Contam Limit Freq 1:** | | **Environment Impact:** | NOT ANTICIPATED |
| **Contaminant UN No 1:** | | **Nature of Impact:** | Soil contamination |
| **Contaminant Qty:** | | **SAC Action Class:** | |
| **Material Group:** | | **Year:** | |
| **MOE Reported Dt:** | 4/22/1998 | **Site Address:** | |
| **Health/Env Conseq:** | | **Site Conc:** | |
| **Incident Dt:** | 4/22/1998 | **Site Lot:** | |
| **Incident Cause:** | COOLING SYSTEM LEAK | **Site County/District:** | |
| **Incident Event:** | | **Site Municipality:** | 20101 |
| **Incident Reason:** | UNKNOWN | **Site Postal Code:** | |
| **Incident Summary:** | OTTAWA HYDRO- 3L PCB MINERAL OIL (70 PPM) TO GROUND, CLEANED UP. | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 6 | 35 of 35 | NE/84.1 | 86.9 / 0.00 | 3025 ALBION ROAD, OTTAWA ON | WDS |

| | | | |
|---|---|---|---|
| **Certificate No:** | A710164 | **Facility Type:** | Mobile Unit |
| **Mob Unit Cert No:** | | **Site Concession:** | |
| **EBR Registry No:** | | **Site Region/County:** | |
| **Status:** | Approved | **Total Area (ha):** | 0 |
| **Application Status:** | | **Landfill Cap ($m^3$):** | 0 |
| **Issue Date:** | 05/07/1999 | **Landfill Ctrl Type:** | |
| **Input Date:** | 5/7/99 | **Est Closure Date:** | |
| **Date Received:** | 12/16/98 | **Transfer Area (ha):** | 0 |
| **Record Type:** | | **Transfer Cap ($m^3$):** | 0 |
| **Project Type:** | | **Transfer Cert No:** | |
| **Approval Type:** | | **Inciner. Area (ha):** | 0 |
| **SWP Area Name:** | | **Inciner. Cap (t):** | 0 |
| **MOE District:** | | **Process Area ($m^3$):** | 0 |
| **Latitude:** | | **Process Cap ($m^3$/d):** | 0 |
| **Longitude:** | | **Process Vol ($m^3$):** | 0 |
| **Link Source:** | | **Process Feed ($m^3$):** | 0 |
| **Proponent:** | SAFETY-KLEEN (ON-SITE) INC. | **Mobile Units:** | |
| **Prop Address:** | 520 Southgate Drive | **Mobile Description:** | |
| **Prop City:** | Guelph, Ontario | **Mobile Capacity:** | 0 |
| **Prop Postal:** | N1G-4P5 | **Serial Link:** | 710164 |
| **Prop Phone:** | - - | **District Office:** | Ottawa |

**Proponent County/District:**
**Site Lot:** SITE LOCATED AT OTTAWA HYDRO
**Full Address:**
**Landfill Monitoring:**
**Waste Type:**
**Waste Type Other:** No
**Waste Class:**
**Waste Class Code:**
**Project Description:**
**Municipalities Served:**
**Site Closing Description:**
**Approval Description:**
**Waste Description:**
**Other Approvals/Permits:**
**PDF URL:**

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

7 **1 of 1** **W/86.9** **86.8 / -0.09**

**ON**

**BORE**

| | | | |
|---|---|---|---|
| **Borehole ID:** | 612720 | **Type:** | Borehole |
| **Use:** | | **Status::** | |
| **Drill Method::** | | **UTM Zone::** | 18 |
| **Easting::** | 449091 | **Northing::** | 5024372 |
| **Location Accuracy::** | | **Orig. Ground Elev m::** | 85.2 |
| **Elev. Reliability Note::** | | **DEM Ground Elev m::** | 88.5 |
| **Total Depth m::** | 7.6 | **Primary Name::** | |
| **Township::** | | **Concession::** | |
| **Lot::** | | **Municipality:** | |
| **Completion Date::** | JAN-1973 | **Static Water Level::** | -999.9 |
| **Primary Water Use::** | | **Sec. Water Use::** | |

***--Details--***

| | | | |
|---|---|---|---|
| **Stratum ID:** | 218392225 | **Top Depth(m):** | 0.0 |
| **Bottom Depth(m):** | 0.6 | **Stratum Desc:** | ARTIFICIAL. CRUSHED. |
| **Stratum ID:** | 218392226 | **Top Depth(m):** | 0.6 |
| **Bottom Depth(m):** | 1.2 | **Stratum Desc:** | ARTIFICIAL. BROWN,GREY. |
| **Stratum ID:** | 218392227 | **Top Depth(m):** | 1.2 |
| **Bottom Depth(m):** | 2.7 | **Stratum Desc:** | UNSPECIFIED. DENSE. |
| **Stratum ID:** | 218392228 | **Top Depth(m):** | 2.7 |
| **Bottom Depth(m):** | 3.5 | **Stratum Desc:** | UNSPECIFIED. DENSE. |
| **Stratum ID:** | 218392229 | **Top Depth(m):** | 3.5 |
| **Bottom Depth(m):** | 5.2 | **Stratum Desc:** | UNSPECIFIED. LOOSE TO COMPACT. |
| **Stratum ID:** | 218392230 | **Top Depth(m):** | 5.2 |
| **Bottom Depth(m):** | 5.8 | **Stratum Desc:** | UNSPECIFIED. |
| **Stratum ID:** | 218392231 | **Top Depth(m):** | 5.8 |
| **Bottom Depth(m):** | 7.0 | **Stratum Desc:** | UNSPECIFIED. |
| **Stratum ID:** | 218392232 | **Top Depth(m):** | 7.0 |
| **Bottom Depth(m):** | 7.6 | **Stratum Desc:** | UNSPECIFIED. 00021 023 00040 012 00090 020 00115 012 00021035000400210009001200 11 |

8 **1 of 12** **ENE/117.4** **86.9 / 0.00**

**Hydro Ottawa Limited**
**3025 Albion Road North Ottawa Ontario K1G 3S4**
**Ottawa**
**ON**

**EBR**

| | |
|---|---|
| **EBR Registry No.:** | IA05E0233 |
| **Ministry Ref. No.:** | 1083-69MQEP |
| **Company Name:** | Hydro Ottawa Limited |
| **Notice Type:** | Instrument Decision |
| **Notice Date:** | May 29, 2006 |
| **Proposal Date:** | February 22, 2005 |
| **Year:** | 2005 |
| **Proponent Address:** | 3025 Albion Road North, Ottawa Ontario, K1G 3S4 |
| **Instrument Type:** | (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air) |
| **Location Other:** | |

**Location:**

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

3025 Albion Road North Ottawa Ontario K1G 3S4 Ottawa

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**8** **2 of 12** **ENE/117.4** **86.9 / 0.00** **Hydro Ottawa Limited** **EBR**
**3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA**
**ON**

***EBR Registry No.:*** 010-6518
***Ministry Ref. No.:*** 9657-7RBPEF
***Company Name:*** Hydro Ottawa Limited
***Notice Type:*** Instrument Decision
***Notice Date:*** June 08, 2010
***Proposal Date:*** April 27, 2009
***Year:*** 2009
***Proponent Address:*** 3025 Albion Road North, Ottawa Ontario, Canada K1G 3S4
***Instrument Type:*** (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
***Location Other:***

***Location:***

3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA

---

**8** **3 of 12** **ENE/117.4** **86.9 / 0.00** **Canadian Solar Solutions Inc.** **EBR**
**3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA**
**ON**

***EBR Registry No.:*** 012-7838
***Ministry Ref. No.:*** 0387-AAAKW2
***Company Name:*** Canadian Solar Solutions Inc.
***Notice Type:*** Instrument Decision
***Notice Date:*** September 13, 2016
***Proposal Date:*** June 07, 2016
***Year:*** 2016
***Proponent Address:*** 545 Speedvale avenue West, Guelph Ontario, Canada N1K 1E6
***Instrument Type:*** (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
***Location Other:***

***Location:***

3025 Albion Road North Ottawa K1G 3S4 CITY OF OTTAWA

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**8** **4 of 12** **ENE/117.4** **86.9 / 0.00** **Hydro Ottawa Limited** **ECA**
**3025 Albion Rd N**
**Ottawa ON K1G 3S4**

***Approval No:*** 0632-855SH4
***Approval Type:*** ECA-AIR
***Status:*** Approved
***Approval Date:*** 2010-06-03
***Record Type:*** ECA
***Project Type:*** AIR
***Link Source:*** IDS
***Full Address:***
***Full PDF Link:*** https://www.accessenvironment.ene.gov.on.ca/instruments/9657-7RBPEF-14.pdf

***MOE District:***
***SWP Area Name:***
***Address:*** 3025 Albion Rd N
***City:*** Ottawa
***Longitude:***
***Latitude:***

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 8 | 5 of 12 | ENE/117.4 | 86.9 / 0.00 | Hydro Ottawa Limited<br>3025 Albion Rd N<br>Ottawa ON K1G 3S4 | ECA |

| | | | |
|---|---|---|---|
| **Approval No:** | 1339-6G8QJ8 | **MOE District:** | |
| **Approval Type:** | ECA-AIR | **SWP Area Name:** | |
| **Status:** | Revoked and/or Replaced | **Address:** | 3025 Albion Rd N |
| **Approval Date:** | 2006-05-26 | **City:** | Ottawa |
| **Record Type:** | ECA | **Longitude:** | |
| **Project Type:** | AIR | **Latitude:** | |
| **Link Source:** | IDS | | |
| **Full Address:** | | | |
| **Full PDF Link:** | https://www.accessenvironment.ene.gov.on.ca/instruments/1083-69MQEP-14.pdf | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 8 | 6 of 12 | ENE/117.4 | 86.9 / 0.00 | Hydro Ottawa Limited<br>3025 Albion Rd N<br>Ottawa ON K1G 3S4 | ECA |

| | | | |
|---|---|---|---|
| **Approval No:** | 2098-7UMK8E | **MOE District:** | |
| **Approval Type:** | ECA-INDUSTRIAL SEWAGE WORKS | **SWP Area Name:** | |
| **Status:** | Approved | **Address:** | 3025 Albion Rd N |
| **Approval Date:** | 2009-08-10 | **City:** | Ottawa |
| **Record Type:** | ECA | **Longitude:** | |
| **Project Type:** | INDUSTRIAL SEWAGE WORKS | **Latitude:** | |
| **Link Source:** | IDS | | |
| **Full Address:** | | | |
| **Full PDF Link:** | https://www.accessenvironment.ene.gov.on.ca/instruments/3430-7RJKJS-14.pdf | | |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 8 | 7 of 12 | ENE/117.4 | 86.9 / 0.00 | OTTAWA HYDRO ATT: DOUG HYDE<br>3025 ALBION RD<br>OTTAWA ON K1G 3S4 | FST |

| | |
|---|---|
| **Instance No:** | 10899385 |
| **Cont Name:** | |
| **Instance Type:** | FS Liquid Fuel Tank |
| **Fuel Type:** | Gasoline |
| **Status:** | Active |
| **Capacity:** | 22730 |
| **Tank Material:** | Steel |
| **Corrosion Protection:** | Sacrificial anode |
| **Tank Type:** | Single Wall UST |
| **Install Year:** | 1989 |
| **Parent Facility Type:** | Fuels Safety Private Fuel Outlet - Self Serve |
| **Facility Type:** | FS Liquid Fuel Tank |

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 8 | 8 of 12 | ENE/117.4 | 86.9 / 0.00 | Hydro Ottawa ltd.<br>3025 Albion RD<br>Ottawa ON | GEN |

| | | | |
|---|---|---|---|
| **Generator No.:** | ON0456601 | **PO Box No.:** | |
| **Status:** | | **Country:** | |
| **Approval Years:** | 2013 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No. Admin:** | |
| **SIC Code:** | 221122 | | |
| **SIC Description:** | ELECTRIC POWER DISTRIBUTION | | |

***--Details--***

| | |
|---|---|
| **Waste Code:** | 263 |
| **Waste Description:** | ORGANIC LABORATORY CHEMICALS |

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 243
**Waste Description:** PCBS

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

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**8** | **9 of 12** | **ENE/117.4** | **86.9 / 0.00** | **Hydro Ottawa ltd.**
**3025 Albion RD**
**Ottawa ON K1G 3S4** | **GEN**

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 2016
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 221122
**SIC Description:** ELECTRIC POWER DISTRIBUTION

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 146

**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 243
**Waste Description:** PCBS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

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**8** | **10 of 12** | **ENE/117.4** | **86.9 / 0.00** | **Hydro Ottawa ltd.**
**3025 Albion RD**
**Ottawa ON K1G 3S4** | **GEN**

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 2015
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 221122
**SIC Description:** ELECTRIC POWER DISTRIBUTION

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:**
**Phone No. Admin:**

***--Details--***

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 243
**Waste Description:** PCBS

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**8** | **11 of 12** | **ENE/117.4** | **86.9 / 0.00** | **Hydro Ottawa ltd.**
**3025 Albion RD**
**Ottawa ON K1G 3S4** | **GEN**

**Generator No.:** ON0456601
**Status:**
**Approval Years:** 2014
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 221122
**SIC Description:** ELECTRIC POWER DISTRIBUTION

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_ADMIN
**Co Admin:** Joel Stairs
**Phone No. Admin:** 613-738-5499 Ext.7612

***--Details--***

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 263
**Waste Description:** ORGANIC LABORATORY CHEMICALS

**Waste Code:** 243
**Waste Description:** PCBS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 146
**Waste Description:** OTHER SPECIFIED INORGANICS

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 122
**Waste Description:** ALKALINE WASTES - OTHER METALS

**Waste Code:** 148
**Waste Description:** INORGANIC LABORATORY CHEMICALS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 121
**Waste Description:** ALKALINE WASTES - HEAVY METALS

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 331
**Waste Description:** WASTE COMPRESSED GASES

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**8** | **12 of 12** | **ENE/117.4** | **86.9 / 0.00** | **Hydro Ottawa ltd.**
**3025 Albion RD**
**Ottawa ON K1G 3S4** | **GEN**

**Generator No.:** ON0456601
**Status:** Registered
**Approval Years:** As of Dec 2017
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:**
**SIC Description:**

**PO Box No.:** 8700
**Country:** Canada
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***

**Waste Code:** 212 I
**Waste Description:** Aliphatic solvents and residues

**Waste Code:** 251 T
**Waste Description:** Waste oils/sludges (petroleum based)

**Waste Code:** 213 I
**Waste Description:** Petroleum distillates

**Waste Code:** 243 D
**Waste Description:** PCB

**Waste Code:** 212 L
**Waste Description:** Aliphatic solvents and residues

**Waste Code:** 121 C
**Waste Description:** Alkaline slutions - containing heavy metals

**Waste Code:** 221 L
**Waste Description:** Light fuels

**Waste Code:** 146 T
**Waste Description:** Other specified inorganic sludges, slurries or solids

**Waste Code:** 145 I
**Waste Description:** Wastes from the use of pigments, coatings and paints

**Waste Code:** 251 L
**Waste Description:** Waste oils/sludges (petroleum based)

**Waste Code:** 252 T
**Waste Description:** Waste crankcase oils and lubricants

**Waste Code:** 331 I

**Waste Description:** Waste compressed gases including cylinders

**Waste Code:** 146 B
**Waste Description:** Other specified inorganic sludges, slurries or solids

**Waste Code:** 122 C
**Waste Description:** Alkaline slutions - containing other metals and non-metals (not cyanide)

**Waste Code:** 252 L
**Waste Description:** Waste crankcase oils and lubricants

**Waste Code:** 148 B
**Waste Description:** Misc. wastes and inorganic chemicals

**Waste Code:** 263 I
**Waste Description:** Misc. waste organic chemicals

**Waste Code:** 112 C
**Waste Description:** Acid solutions - containing heavy metals

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**9** | **1 of 1** | **SE/151.6** | **85.9 / -1.00** | **ON** | **BORE**

**Borehole ID:** 801708
**Use:** Geotechnical/Geological Investigation
**Drill Method::** Boring
**Easting::** 449279.26
**Location Accuracy::**
**Elev. Reliability Note::**
**Total Depth m::** 24.4
**Township::**
**Lot::**
**Completion Date::** 22-AUG-1972
**Primary Water Use::**
**Type:** Borehole
**Status::**
**UTM Zone::** 18
**Northing::** 5024264.34
**Orig. Ground Elev m::** 86.5
**DEM Ground Elev m::** 87.2
**Primary Name::** BH 3
**Concession::**
**Municipality:**
**Static Water Level::** -999.9
**Sec. Water Use::**

***--Details--***

**Stratum ID:** 218569216
**Bottom Depth(m):** 0.2
**Top Depth(m):** 0.0
**Stratum Desc:** Topsoil

**Stratum ID:** 218569217
**Bottom Depth(m):** 1.7
**Top Depth(m):** 0.2
**Stratum Desc:** Grey-Brown Loose Silt - Sand

**Stratum ID:** 218569218
**Bottom Depth(m):** 6.1
**Top Depth(m):** 1.7
**Stratum Desc:** Grey Firm Silty Clay

**Stratum ID:** 218569219
**Bottom Depth(m):** 11.6
**Top Depth(m):** 6.1
**Stratum Desc:** Grey Very Loose to Dense Till sand silt With: Cl W Gr W Blds

**Stratum ID:** 218569220
**Bottom Depth(m):** 13.7
**Top Depth(m):** 11.6
**Stratum Desc:** Dark Grey Bedrock Shale

**Stratum ID:** 218569221
**Bottom Depth(m):** 24.4
**Top Depth(m):** 13.7
**Stratum Desc:** Dark Grey Bedrock Shale CARLSBAD FORMATION

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**10** | **1 of 1** | **NNW/172.3** | **88.2 / 1.28** | **1495 Heatherington Road Ottawa ON K1V 0N7** | **EHS**

**Order ID:** 76982
**Order No:** 20060519009
**Date Received:** 5/19/2006
**Lot/Building Size:**

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

| | | | |
|---|---|---|---|
| **Customer ID:** | 28106 | **Municipality:** | |
| **Company ID:** | 97 | **Client Prov/State:** | ON |
| **Status:** | C | **Search Radius (km):** | 0.35 |
| **Report Code:** | 3CAN | **Large Radius:** | 2 |
| **Report Type:** | Complete Report | **X:** | -75.649988 |
| **Report Date:** | 5/31/2006 | **Y:** | 45.372457 |
| **Report Requested by:** | Trow Associates Inc. | | |
| **Nearest Intersection:** | Albion Road | | |
| **Previous Site Name:** | | | |
| **Additional Info Ordered:** | | | |

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**11** | **1 of 1** | **NNW/176.2** | **88.9 / 2.03** | **GTA'S Finest Restoration**
**1455 Heatherington, Unit 217**
**ottawa ON K1V8Z3** | **GEN**

| | | | |
|---|---|---|---|
| **Generator No.:** | ON4106360 | **PO Box No.:** | |
| **Status:** | Registered | **Country:** | Canada |
| **Approval Years:** | As of Dec 2017 | **Choice of Contact:** | |
| **Contam. Facility:** | | **Co Admin:** | |
| **MHSW Facility:** | | **Phone No. Admin:** | |
| **SIC Code:** | | | |
| **SIC Description:** | | | |

***--Details--***

| | |
|---|---|
| **Waste Code:** | 312 P |
| **Waste Description:** | Pathological wastes |

---

**12** | **1 of 1** | **WSW/190.4** | **86.9 / 0.00** | **Ottawa ON** | **WWIS**

| | | | |
|---|---|---|---|
| **Well ID:** | 7252047 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Monitoring and Test Hole | **Date Received:** | 11/16/2015 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | 1 |
| **Final Well Status:** | Monitoring and Test Hole | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 7241 |
| **Casing Material:** | | **Form Version:** | 7 |
| **Audit No:** | Z215070 | **Owner:** | |
| **Tag:** | A173849 | **Street Name:** | 3025 ALBION ROAD |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | GLOUCESTER TOWNSHIP |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| **Bore Hole ID:** | 1005798113 | **Spatial Status:** | |
| **DP2BR:** | | **Cluster Kind:** | |
| **Code OB:** | | **UTMRC:** | 4 |
| **Code OB Desc:** | | **UTMRC Desc:** | margin of error : 30 m - 100 m |
| **Open Hole:** | | **Location Method:** | wwr |
| **Elevation:** | 89.035949 | **Org CS:** | UTM83 |
| **Elevrc:** | | **Date Completed:** | 10/19/2015 |
| **Remarks:** | | | |

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

***Overburden and Bedrock Materials Interval***

***Formation ID:*** 1005817739
***Layer:*** 1
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 11
***Most Common Material:*** GRAVEL
***Mat2:***
***Other Materials:***
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 0.00
***Formation End Depth:*** 0.61
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817740
***Layer:*** 2
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:***
***Other Materials:***
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 0.61
***Formation End Depth:*** 1.63
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817741
***Layer:*** 3
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 84
***Other Materials:*** SILTY
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 1.63
***Formation End Depth:*** 4.27
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817742
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 06
***Most Common Material:*** SILT
***Mat2:***
***Other Materials:***
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 4.27
***Formation End Depth:*** 6.10
***Formation End Depth UOM:*** m

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

| | |
|---|---|
| ***Method Construction ID:*** | 1005817749 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005817738 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005817745 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.00 |
| ***Depth To:*** | 3.10 |
| ***Casing Diameter:*** | 4.03 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005817746 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 3.10 |
| ***Screen End Depth:*** | 6.10 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.82 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005817744 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005817743 |
| ***Diameter:*** | 8.25 |
| ***Depth From:*** | 0.00 |
| ***Depth To:*** | 6.10 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

| | | | | | |
|---|---|---|---|---|---|
| 13 | ***1 of 1*** | ***W/191.8*** | ***86.9 / 0.00*** | ***Ottawa ON*** | ***WWIS*** |

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7252045 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | |
| ***Primary Water Use:*** | Monitoring and Test Hole | ***Date Received:*** | 11/16/2015 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | 1 |
| ***Final Well Status:*** | Monitoring and Test Hole | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 7241 |
| ***Casing Material:*** | | ***Form Version:*** | 7 |
| ***Audit No:*** | Z215068 | ***Owner:*** | |
| ***Tag:*** | A173847 | ***Street Name:*** | 3025 ALBION ROAD |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | GLOUCESTER TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1005798107 | ***Spatial Status:*** | |
| ***DP2BR:*** | | ***Cluster Kind:*** | |
| ***Code OB:*** | | ***UTMRC:*** | 4 |
| ***Code OB Desc:*** | | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Open Hole:*** | | ***Location Method:*** | wwr |
| ***Elevation:*** | 89.605674 | ***Org CS:*** | UTM83 |
| ***Elevrc:*** | | ***Date Completed:*** | 10/19/2015 |
| ***Remarks:*** | | | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005817709 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 0.00 |
| ***Formation End Depth:*** | 0.61 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 1005817710 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Other Materials:*** | |

***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 0.61
***Formation End Depth:*** 1.83
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817711
***Layer:*** 3
***Color:*** 6
***General Color:*** BROWN
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 84
***Other Materials:*** SILTY
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 1.83
***Formation End Depth:*** 4.27
***Formation End Depth UOM:*** m

***Formation ID:*** 1005817712
***Layer:*** 4
***Color:*** 7
***General Color:*** RED
***Mat1:*** 28
***Most Common Material:*** SAND
***Mat2:*** 84
***Other Materials:*** SILTY
***Mat3:*** 85
***Other Materials:*** SOFT
***Formation Top Depth:*** 4.27
***Formation End Depth:*** 6.10
***Formation End Depth UOM:*** m

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

***Plug ID:*** 1005817720
***Layer:*** 1
***Plug From:*** 0.00
***Plug To:*** 0.31
***Plug Depth UOM:*** m

***Plug ID:*** 1005817721
***Layer:*** 2
***Plug From:*** 0.31
***Plug To:*** 2.74
***Plug Depth UOM:*** m

***Plug ID:*** 1005817722
***Layer:*** 3
***Plug From:*** 2.74
***Plug To:*** 6.10
***Plug Depth UOM:*** m

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

***Method Construction ID:*** 1005817719
***Method Construction Code:*** D
***Method Construction:*** Direct Push
***Other Method Construction:***

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005817708 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005817715 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.00 |
| ***Depth To:*** | 3.10 |
| ***Casing Diameter:*** | 4.03 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

| | |
|---|---|
| ***Screen ID:*** | 1005817716 |
| ***Layer:*** | 1 |
| ***Slot:*** | 10 |
| ***Screen Top Depth:*** | 3.10 |
| ***Screen End Depth:*** | 6.10 |
| ***Screen Material:*** | 5 |
| ***Screen Depth UOM:*** | m |
| ***Screen Diameter UOM:*** | cm |
| ***Screen Diameter:*** | 4.82 |

***Water Details***

| | |
|---|---|
| ***Water ID:*** | 1005817714 |
| ***Layer:*** | |
| ***Kind Code:*** | |
| ***Kind:*** | |
| ***Water Found Depth:*** | |
| ***Water Found Depth UOM:*** | m |

***Hole Diameter***

| | |
|---|---|
| ***Hole ID:*** | 1005817713 |
| ***Diameter:*** | 8.25 |
| ***Depth From:*** | 0.00 |
| ***Depth To:*** | 6.10 |
| ***Hole Depth UOM:*** | m |
| ***Hole Diameter UOM:*** | cm |

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**14** ***1 of 1*** ***WSW/194.6*** ***85.8 / -1.08*** ***Ottawa ON*** ***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 7252046 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | |
| ***Primary Water Use:*** | Monitoring and Test Hole | ***Date Received:*** | 11/16/2015 |
| ***Sec. Water Use:*** | 0 | ***Selected Flag:*** | 1 |
| ***Final Well Status:*** | Monitoring and Test Hole | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 7241 |
| ***Casing Material:*** | | ***Form Version:*** | 7 |
| ***Audit No:*** | Z215069 | ***Owner:*** | |
| ***Tag:*** | A173848 | ***Street Name:*** | 3025 ALBION ROAD |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |

| | | | |
|---|---|---|---|
| ***Elevation (m):*** | | ***Municipality:*** | GLOUCESTER TOWNSHIP |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1005798110 | ***Spatial Status:*** | |
| ***DP2BR:*** | | ***Cluster Kind:*** | |
| ***Code OB:*** | | ***UTMRC:*** | 4 |
| ***Code OB Desc:*** | | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Open Hole:*** | | ***Location Method:*** | wwr |
| ***Elevation:*** | 88.980491 | ***Org CS:*** | UTM83 |
| ***Elevrc:*** | | ***Date Completed:*** | 10/19/2015 |
| ***Remarks:*** | | | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005817724 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 0.00 |
| ***Formation End Depth:*** | 0.31 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 1005817725 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 0.31 |
| ***Formation End Depth:*** | 1.83 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 1005817726 |
| ***Layer:*** | 3 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |

| | |
|---|---|
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 84 |
| ***Other Materials:*** | SILTY |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 1.83 |
| ***Formation End Depth:*** | 4.27 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 1005817727 |
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 84 |
| ***Other Materials:*** | SILTY |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 4.27 |
| ***Formation End Depth:*** | 6.10 |
| ***Formation End Depth UOM:*** | m |

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

| | |
|---|---|
| ***Plug ID:*** | 1005817735 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.00 |
| ***Plug To:*** | 0.31 |
| ***Plug Depth UOM:*** | m |

| | |
|---|---|
| ***Plug ID:*** | 1005817736 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.31 |
| ***Plug To:*** | 2.74 |
| ***Plug Depth UOM:*** | m |

| | |
|---|---|
| ***Plug ID:*** | 1005817737 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 2.74 |
| ***Plug To:*** | 6.10 |
| ***Plug Depth UOM:*** | m |

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

| | |
|---|---|
| ***Method Construction ID:*** | 1005817734 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005817723 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005817730 |

| | |
|---|---|
| **Layer:** | 1 |
| **Material:** | 5 |
| **Open Hole or Material:** | PLASTIC |
| **Depth From:** | 0.00 |
| **Depth To:** | 3.10 |
| **Casing Diameter:** | 4.03 |
| **Casing Diameter UOM:** | cm |
| **Casing Depth UOM:** | m |

***Construction Record - Screen***

| | |
|---|---|
| **Screen ID:** | 1005817731 |
| **Layer:** | 1 |
| **Slot:** | 10 |
| **Screen Top Depth:** | 3.10 |
| **Screen End Depth:** | 6.10 |
| **Screen Material:** | 5 |
| **Screen Depth UOM:** | m |
| **Screen Diameter UOM:** | cm |
| **Screen Diameter:** | 4.82 |

***Water Details***

| | |
|---|---|
| **Water ID:** | 1005817729 |
| **Layer:** | |
| **Kind Code:** | |
| **Kind:** | |
| **Water Found Depth:** | |
| **Water Found Depth UOM:** | m |

***Hole Diameter***

| | |
|---|---|
| **Hole ID:** | 1005817728 |
| **Diameter:** | 8.25 |
| **Depth From:** | 0.00 |
| **Depth To:** | 6.10 |
| **Hole Depth UOM:** | m |
| **Hole Diameter UOM:** | cm |

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**15** ***1 of 1*** ***WSW/195.0*** ***87.0 / 0.09*** ***WWIS***

***Ottawa ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 7252044 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | |
| **Primary Water Use:** | Monitoring and Test Hole | **Date Received:** | 11/16/2015 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | 1 |
| **Final Well Status:** | Monitoring and Test Hole | **Abandonment Rec:** | |
| **Water Type:** | | **Contractor:** | 7241 |
| **Casing Material:** | | **Form Version:** | 7 |
| **Audit No:** | Z215071 | **Owner:** | |
| **Tag:** | A173846 | **Street Name:** | 3025 ALBION ROAD |
| **Construction Method:** | | **County:** | OTTAWA-CARLETON |
| **Elevation (m):** | | **Municipality:** | OTTAWA CITY |
| **Elevation Reliability:** | | **Site Info:** | |
| **Depth to Bedrock:** | | **Lot:** | |
| **Well Depth:** | | **Concession:** | |
| **Overburden/Bedrock:** | | **Concession Name:** | |
| **Pump Rate:** | | **Easting NAD83:** | |
| **Static Water Level:** | | **Northing NAD83:** | |
| **Flowing (Y/N):** | | **Zone:** | |
| **Flow Rate:** | | **UTM Reliability:** | |
| **Clear/Cloudy:** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 1005798104 | ***Spatial Status:*** | |
| ***DP2BR:*** | | ***Cluster Kind:*** | |
| ***Code OB:*** | | ***UTMRC:*** | 4 |
| ***Code OB Desc:*** | | ***UTMRC Desc:*** | margin of error : 30 m - 100 m |
| ***Open Hole:*** | | ***Location Method:*** | wwr |
| ***Elevation:*** | 89.0205 | ***Org CS:*** | UTM83 |
| ***Elevrc:*** | | ***Date Completed:*** | 10/16/2015 |
| ***Remarks:*** | | | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 1005817694 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 11 |
| ***Most Common Material:*** | GRAVEL |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 0.00 |
| ***Formation End Depth:*** | 0.61 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 1005817695 |
| ***Layer:*** | 2 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 0.61 |
| ***Formation End Depth:*** | 2.44 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 1005817696 |
| ***Layer:*** | 3 |
| ***Color:*** | 6 |
| ***General Color:*** | BROWN |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 84 |
| ***Other Materials:*** | SILTY |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 2.44 |
| ***Formation End Depth:*** | 4.57 |
| ***Formation End Depth UOM:*** | m |

| | |
|---|---|
| ***Formation ID:*** | 1005817697 |

| | |
|---|---|
| ***Layer:*** | 4 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 28 |
| ***Most Common Material:*** | SAND |
| ***Mat2:*** | 84 |
| ***Other Materials:*** | SILTY |
| ***Mat3:*** | 85 |
| ***Other Materials:*** | SOFT |
| ***Formation Top Depth:*** | 4.57 |
| ***Formation End Depth:*** | 6.10 |
| ***Formation End Depth UOM:*** | m |

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

| | |
|---|---|
| ***Plug ID:*** | 1005817705 |
| ***Layer:*** | 1 |
| ***Plug From:*** | 0.00 |
| ***Plug To:*** | 0.31 |
| ***Plug Depth UOM:*** | m |

| | |
|---|---|
| ***Plug ID:*** | 1005817706 |
| ***Layer:*** | 2 |
| ***Plug From:*** | 0.31 |
| ***Plug To:*** | 2.74 |
| ***Plug Depth UOM:*** | m |

| | |
|---|---|
| ***Plug ID:*** | 1005817707 |
| ***Layer:*** | 3 |
| ***Plug From:*** | 2.74 |
| ***Plug To:*** | 6.10 |
| ***Plug Depth UOM:*** | m |

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

| | |
|---|---|
| ***Method Construction ID:*** | 1005817704 |
| ***Method Construction Code:*** | D |
| ***Method Construction:*** | Direct Push |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 1005817693 |
| ***Casing No:*** | 0 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 1005817700 |
| ***Layer:*** | 1 |
| ***Material:*** | 5 |
| ***Open Hole or Material:*** | PLASTIC |
| ***Depth From:*** | 0.00 |
| ***Depth To:*** | 3.10 |
| ***Casing Diameter:*** | 4.03 |
| ***Casing Diameter UOM:*** | cm |
| ***Casing Depth UOM:*** | m |

***Construction Record - Screen***

***Screen ID:*** 1005817701
***Layer:*** 1
***Slot:*** 10
***Screen Top Depth:*** 3.10
***Screen End Depth:*** 6.10
***Screen Material:*** 5
***Screen Depth UOM:*** m
***Screen Diameter UOM:*** cm
***Screen Diameter:*** 4.82

***Water Details***

***Water ID:*** 1005817699
***Layer:***
***Kind Code:***
***Kind:***
***Water Found Depth:***
***Water Found Depth UOM:*** m

***Hole Diameter***

***Hole ID:*** 1005817698
***Diameter:*** 8.25
***Depth From:*** 0.00
***Depth To:*** 6.10
***Hole Depth UOM:*** m
***Hole Diameter UOM:*** cm

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**16** ***1 of 18*** ***SSE/195.2*** ***85.6 / -1.32*** ***TWIN EQUIPMENT LIMITED***
***3091 ALBION RD N***
***OTTAWA ON K1V 9V9*** ***EASR***

***Approval No:*** R-001-6573654558
***Status:*** REGISTERED
***Date:*** 2016-02-29
***Record Type:*** EASR
***Link Source:*** MOFA
***Full Address:***
***SWP Area Name:*** Rideau Valley
***MOE District:*** Ottawa
***City:*** OTTAWA
***Latitude:*** 45.36944444
***Longitude:*** -75.64805556
***Project Type:*** Automotive Refinishing Facility
***Approval Type:*** EASR-Automotive Refinishing Facility
***Full PDF Link:*** http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/ViewDocument.action?documentRefID=2019650

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**16** ***2 of 18*** ***SSE/195.2*** ***85.6 / -1.32*** ***High Quality Paint Finishing H.Q.P.F. Inc.***
***3091 Albion Road, North Suite 6 Ottawa Ontario***
***K1V 9V9 Ottawa***
***ON*** ***EBR***

***EBR Registry No.:*** IA06E0641
***Ministry Ref. No.:*** 2301-6PDRHR
***Company Name:*** High Quality Paint Finishing H.Q.P.F. Inc.
***Notice Type:*** Instrument Decision
***Notice Date:*** April 15, 2009
***Proposal Date:*** May 18, 2006
***Year:*** 2006
***Proponent Address:*** 3091 Albion Road (North) , 6, Ottawa Ontario, K1V 9V9
***Instrument Type:*** (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
***Location Other:***

***Location:***

3091 Albion Road, North Suite 6 Ottawa Ontario K1V 9V9 Ottawa

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 16 | 3 of 18 | SSE/195.2 | 85.6 / -1.32 | Twin Equipment Limited<br>3091 Albion Road North Unit 6 Ottawa K1V 9V9<br>CITY OF OTTAWA<br>ON | EBR |

**EBR Registry No.:** 012-0154
**Ministry Ref. No.:** 0049-9BMQZY
**Company Name:** Twin Equipment Limited
**Notice Type:** Instrument Decision
**Notice Date:** July 21, 2015
**Proposal Date:** October 02, 2013
**Year:** 2013
**Proponent Address:** 3091 Albion Road North, Ottawa Ontario, Canada K1V 9V9
**Instrument Type:** (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
**Location Other:**

**Location:**

3091 Albion Road North Unit 6 Ottawa K1V 9V9 CITY OF OTTAWA

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 16 | 4 of 18 | SSE/195.2 | 85.6 / -1.32 | Twin Realty Ltd.<br>3091 Albion Rd<br>Ottawa ON K1V 9V9 | ECA |

**Approval No:** 2670-765K2X
**Approval Type:** ECA-INDUSTRIAL SEWAGE WORKS
**Status:** Revoked and/or Replaced
**Approval Date:** 2007-08-17
**Record Type:** ECA
**Project Type:** INDUSTRIAL SEWAGE WORKS
**Link Source:** IDS
**Full Address:**
**Full PDF Link:** https://www.accessenvironment.ene.gov.on.ca/instruments/7471-6XRK5N-14.pdf

**MOE District:** Ottawa
**SWP Area Name:** Rideau Valley
**Address:** 3091 Albion Rd
**City:** Ottawa
**Longitude:** -75.64824
**Latitude:** 45.369198

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 16 | 5 of 18 | SSE/195.2 | 85.6 / -1.32 | Twin Realty Ltd.<br>3091 Albion Rd<br>Ottawa ON K1V 9V9 | ECA |

**Approval No:** 4934-87QPDD
**Approval Type:** ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS
**Status:** Approved
**Approval Date:** 2010-08-06
**Record Type:** ECA
**Project Type:** MUNICIPAL AND PRIVATE SEWAGE WORKS
**Link Source:** IDS
**Full Address:**
**Full PDF Link:** https://www.accessenvironment.ene.gov.on.ca/instruments/4414-87JR6P-14.pdf

**MOE District:** Ottawa
**SWP Area Name:** Rideau Valley
**Address:** 3091 Albion Rd
**City:** Ottawa
**Longitude:** -75.64824
**Latitude:** 45.369198

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| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 16 | 6 of 18 | SSE/195.2 | 85.6 / -1.32 | CHIEF TRANSPORTATION & TECHNICAL SERVICES<br>3091 ALBION RD<br>OTTAWA ON K1V | FST |

**Instance No:** 10899401

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

***Cont Name:***
***Instance Type:*** FS Liquid Fuel Tank
***Fuel Type:*** Gasoline
***Status:*** Active
***Capacity:*** 22700
***Tank Material:*** Fiberglass (FRP)
***Corrosion Protection:*** Fiberglass
***Tank Type:*** Double Wall UST
***Install Year:*** 1991
***Parent Facility Type:*** Fuels Safety Private Fuel Outlet - Self Serve
***Facility Type:*** FS Liquid Fuel Tank

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| | | | | | |
|---|---|---|---|---|---|
| 16 | *7 of 18* | *SSE/195.2* | *85.6 / -1.32* | ***CHIEF TRANSPORTATION & TECHNICAL SERVICES***<br>***3091 ALBION RD***<br>***OTTAWA ON K1V*** | ***FST*** |

***Instance No:*** 10899416
***Cont Name:***
***Instance Type:*** FS Liquid Fuel Tank
***Fuel Type:*** Diesel
***Status:*** Active
***Capacity:*** 45400
***Tank Material:*** Fiberglass (FRP)
***Corrosion Protection:*** Fiberglass
***Tank Type:*** Double Wall UST
***Install Year:*** 1991
***Parent Facility Type:*** Fuels Safety Private Fuel Outlet - Self Serve
***Facility Type:*** FS Liquid Fuel Tank

---

| | | | | | |
|---|---|---|---|---|---|
| 16 | *8 of 18* | *SSE/195.2* | *85.6 / -1.32* | ***TWIN EQUIPMENT OUTAOUAIS LTD.***<br>***3091 ALBION ROAD NORTH***<br>***OTTAWA ON*** | ***GEN*** |

***Generator No.:*** ON2676000
***Status:***
***Approval Years:*** 2013
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:*** 336990
***SIC Description:*** OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

***PO Box No.:***
***Country:***
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 145
***Waste Description:*** PAINT/PIGMENT/COATING RESIDUES

***Waste Code:*** 252
***Waste Description:*** WASTE OILS & LUBRICANTS

***Waste Code:*** 211
***Waste Description:*** AROMATIC SOLVENTS

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 112
***Waste Description:*** ACID WASTE - HEAVY METALS

***Waste Code:*** 113
***Waste Description:*** ACID WASTE - OTHER METALS

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

**Waste Code:** 131
**Waste Description:** NEUTRALIZED WASTES - HEAVY METALS

---

**16** **9 of 18** **SSE/195.2** **85.6 / -1.32** **Industrial Concrete Pumping**
**3091 Albion road North unit 5**
**Ottawa ON** **GEN**

**Generator No.:** ON9655584
**Status:**
**Approval Years:** 2013
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 238110
**SIC Description:** POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

**--Details--**
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**16** **10 of 18** **SSE/195.2** **85.6 / -1.32** **Industrial Concrete Pumping**
**3091 Albion road North unit 5**
**Ottawa ON K1V9V9** **GEN**

**Generator No.:** ON9655584
**Status:**
**Approval Years:** 2016
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 238110
**SIC Description:** POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:**
**Phone No. Admin:**

**--Details--**
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**16** **11 of 18** **SSE/195.2** **85.6 / -1.32** **TWIN EQUIPMENT OUTAOUAIS LTD.**
**3091 ALBION ROAD NORTH**
**OTTAWA ON K1V 9V9** **GEN**

**Generator No.:** ON2676000
**Status:**
**Approval Years:** 2016
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 336990
**SIC Description:** OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:** Luc Diotte
**Phone No. Admin:** 613-745-7095 Ext.114

**--Details--**
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 131
**Waste Description:** NEUTRALIZED WASTES - HEAVY METALS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 211

***Waste Description:*** AROMATIC SOLVENTS

***Waste Code:*** 251
***Waste Description:*** OIL SKIMMINGS & SLUDGES

***Waste Code:*** 112
***Waste Description:*** ACID WASTE - HEAVY METALS

***Waste Code:*** 145
***Waste Description:*** PAINT/PIGMENT/COATING RESIDUES

***Waste Code:*** 113
***Waste Description:*** ACID WASTE - OTHER METALS

---

**16** | ***12 of 18*** | ***SSE/195.2*** | ***85.6 / -1.32*** | ***Industrial Concrete Pumping***
***3091 Albion road North unit 5***
***Ottawa ON K1V9V9*** | ***GEN***

***Generator No.:*** ON9655584
***Status:***
***Approval Years:*** 2015
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 238110
***SIC Description:*** POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 252
***Waste Description:*** WASTE OILS & LUBRICANTS

---

**16** | ***13 of 18*** | ***SSE/195.2*** | ***85.6 / -1.32*** | ***TWIN EQUIPMENT OUTAOUAIS LTD.***
***3091 ALBION ROAD NORTH***
***OTTAWA ON K1V 9V9*** | ***GEN***

***Generator No.:*** ON2676000
***Status:***
***Approval Years:*** 2015
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 336990
***SIC Description:*** OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:*** Luc Diotte
***Phone No. Admin:*** 613-745-7095 Ext.114

***--Details--***
***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 211
***Waste Description:*** AROMATIC SOLVENTS

***Waste Code:*** 113
***Waste Description:*** ACID WASTE - OTHER METALS

***Waste Code:*** 112
***Waste Description:*** ACID WASTE - HEAVY METALS

***Waste Code:*** 131
***Waste Description:*** NEUTRALIZED WASTES - HEAVY METALS

***Waste Code:*** 251
***Waste Description:*** OIL SKIMMINGS & SLUDGES

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**16** **14 of 18** **SSE/195.2** **85.6 / -1.32**

***Industrial Concrete Pumping***
***3091 Albion road North unit 5***
***Ottawa ON K1V9V9***

***GEN***

**Generator No.:** ON9655584
**Status:**
**Approval Years:** 2014
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 238110
**SIC Description:** POURED CONCRETE FOUNDATION AND STRUCTURE CONTRACTORS

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**16** **15 of 18** **SSE/195.2** **85.6 / -1.32**

***CDM Groundscare Inc.***
***3091 Albion Road N***
***Ottawa ON K1V9V9***

***GEN***

**Generator No.:** ON8077919
**Status:**
**Approval Years:** 2014
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 561730
**SIC Description:** LANDSCAPING SERVICES

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:** Tim Croppo
**Phone No. Admin:** (613)828-4000 Ext.

***--Details--***
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**16** **16 of 18** **SSE/195.2** **85.6 / -1.32**

***TWIN EQUIPMENT OUTAOUAIS LTD.***
***3091 ALBION ROAD NORTH***
***OTTAWA ON K1V 9V9***

***GEN***

**Generator No.:** ON2676000
**Status:**
**Approval Years:** 2014
**Contam. Facility:** No
**MHSW Facility:** No
**SIC Code:** 336990
**SIC Description:** OTHER TRANSPORTATION EQUIPMENT MANUFACTURING

**PO Box No.:**
**Country:** Canada
**Choice of Contact:** CO_OFFICIAL
**Co Admin:** Luc Diotte
**Phone No. Admin:** 613-745-7095 Ext.114

***--Details--***
**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 131
**Waste Description:** NEUTRALIZED WASTES - HEAVY METALS

**Waste Code:** 211

***Waste Description:*** AROMATIC SOLVENTS

***Waste Code:*** 113
***Waste Description:*** ACID WASTE - OTHER METALS

***Waste Code:*** 112
***Waste Description:*** ACID WASTE - HEAVY METALS

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 252
***Waste Description:*** WASTE OILS & LUBRICANTS

---

**16** ***17 of 18*** ***SSE/195.2*** ***85.6 / -1.32*** ***TWIN EQUIPMENT OUTAOUAIS LTD.***
***3091 ALBION ROAD NORTH***
***OTTAWA ON K1V 9V9*** ***GEN***

***Generator No.:*** ON2676000
***Status:*** Registered
***Approval Years:*** As of Dec 2017
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:***
***SIC Description:***

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 251 L
***Waste Description:*** Waste oils/sludges (petroleum based)

***Waste Code:*** 145 L
***Waste Description:*** Wastes from the use of pigments, coatings and paints

***Waste Code:*** 145 H
***Waste Description:*** Wastes from the use of pigments, coatings and paints

***Waste Code:*** 211 H
***Waste Description:*** Aromatic solvents and residues

***Waste Code:*** 252 L
***Waste Description:*** Waste crankcase oils and lubricants

***Waste Code:*** 145 I
***Waste Description:*** Wastes from the use of pigments, coatings and paints

***Waste Code:*** 112 T
***Waste Description:*** Acid solutions - containing heavy metals

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**16** ***18 of 18*** ***SSE/195.2*** ***85.6 / -1.32*** ***Industrial Concrete Pumping***
***3091 Albion road North unit 5***
***Ottawa ON K1V9V9*** ***GEN***

***Generator No.:*** ON9655584
***Status:*** Registered
***Approval Years:*** As of Dec 2017
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:***
***SIC Description:***

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***

**Waste Code:** 252 L
**Waste Description:** Waste crankcase oils and lubricants

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**17** *1 of 1* *WNW/197.5* *87.0 / 0.14* **SPL**

***TRANSPORT TRUCK***
***2975 ALBION RD CATCH BASIN MOTOR VEHICLE (OPERATING FLUID)***
***OTTAWA CITY ON***

| | | | |
|---|---|---|---|
| **Ref No:** | 237376 | **Sector Type:** | |
| **Contaminant Name:** | | **Source Type:** | |
| **Contaminant Code:** | | **Receiving Medium:** | WATER |
| **Contaminant Limit 1:** | | **Receiving Env:** | |
| **Contam Limit Freq 1:** | | **Environment Impact:** | POSSIBLE |
| **Contaminant UN No 1:** | | **Nature of Impact:** | Water course or lake |
| **Contaminant Qty:** | | **SAC Action Class:** | |
| **Material Group:** | | **Year:** | |
| **MOE Reported Dt:** | 8/28/2002 | **Site Address:** | |
| **Health/Env Conseq:** | | **Site Conc:** | |
| **Incident Dt:** | 8/28/2002 | **Site Lot:** | |
| **Incident Cause:** | PIPE/HOSE LEAK | **Site County/District:** | |
| **Incident Event:** | | **Site Municipality:** | 20107 |
| **Incident Reason:** | OTHER | **Site Postal Code:** | |
| **Incident Summary:** | CANADIAN WASTE MANAGEMENT-10 L HYD. FLUID TO CB, WORKS NOTIFIED | | |

---

**18** *1 of 2* *N/205.6* *89.0 / 2.08* **BORE**

***ON***

| | | | |
|---|---|---|---|
| **Borehole ID:** | 612752 | **Type:** | Borehole |
| **Use:** | | **Status::** | |
| **Drill Method::** | | **UTM Zone::** | 18 |
| **Easting::** | 449171 | **Northing::** | 5024582 |
| **Location Accuracy::** | | **Orig. Ground Elev m::** | 88.4 |
| **Elev. Reliability Note::** | | **DEM Ground Elev m::** | 89.1 |
| **Total Depth m::** | 34.1 | **Primary Name::** | |
| **Township::** | | **Concession::** | |
| **Lot::** | | **Municipality:** | |
| **Completion Date::** | JUL-1961 | **Static Water Level::** | -999.9 |
| **Primary Water Use::** | | **Sec. Water Use::** | |

***--Details--***

| | | | |
|---|---|---|---|
| **Stratum ID:** | 218392352 | **Top Depth(m):** | 0.0 |
| **Bottom Depth(m):** | 3.7 | **Stratum Desc:** | BOULDERS. |
| **Stratum ID:** | 218392353 | **Top Depth(m):** | 3.7 |
| **Bottom Depth(m):** | 7.3 | **Stratum Desc:** | CLAY. BLUE. |
| **Stratum ID:** | 218392354 | **Top Depth(m):** | 7.3 |
| **Bottom Depth(m):** | 34.1 | **Stratum Desc:** | LIMESTONE. GREY. 00094,WEATHERED. SHALE. BROKEN. BEDROCK. 00010 019 00025 010 0005 |

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**18** *2 of 2* *N/205.6* *89.0 / 2.08* **WWIS**

***lot 1 con 4***
***ON***

| | | | |
|---|---|---|---|
| **Well ID:** | 1502212 | **Data Entry Status:** | |
| **Construction Date:** | | **Data Src:** | 1 |
| **Primary Water Use:** | Domestic | **Date Received:** | 12/1/1961 |
| **Sec. Water Use:** | 0 | **Selected Flag:** | 1 |
| **Final Well Status:** | Water Supply | **Abandonment Rec:** | |

| | | | |
|---|---|---|---|
| ***Water Type:*** | | ***Contractor:*** | 3002 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | OTTAWA CITY (GLOUCESTER) |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 001 |
| ***Well Depth:*** | | ***Concession:*** | 04 |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | RF |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10024255 | ***Spatial Status:*** | |
| ***DP2BR:*** | 24 | ***Cluster Kind:*** | |
| ***Code OB:*** | r | ***UTMRC:*** | 5 |
| ***Code OB Desc:*** | Bedrock | ***UTMRC Desc:*** | margin of error : 100 m - 300 m |
| ***Open Hole:*** | | ***Location Method:*** | p5 |
| ***Elevation:*** | 89.073059 | ***Org CS:*** | |
| ***Elevrc:*** | | ***Date Completed:*** | 7/22/1961 |
| ***Remarks:*** | | | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 930993931 |
| ***Layer:*** | 1 |
| ***Color:*** | |
| ***General Color:*** | |
| ***Mat1:*** | 13 |
| ***Most Common Material:*** | BOULDERS |
| ***Mat2:*** | 02 |
| ***Other Materials:*** | TOPSOIL |
| ***Mat3:*** | 09 |
| ***Other Materials:*** | MEDIUM SAND |
| ***Formation Top Depth:*** | 0.00 |
| ***Formation End Depth:*** | 12.00 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 930993932 |
| ***Layer:*** | 2 |
| ***Color:*** | 3 |
| ***General Color:*** | BLUE |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | 12 |
| ***Other Materials:*** | STONES |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 12.00 |
| ***Formation End Depth:*** | 24.00 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 930993933 |
| ***Layer:*** | 3 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 15 |
| ***Most Common Material:*** | LIMESTONE |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 24.00 |
| ***Formation End Depth:*** | 112.00 |
| ***Formation End Depth UOM:*** | ft |

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

| | |
|---|---|
| ***Method Construction ID:*** | 961502212 |
| ***Method Construction Code:*** | 1 |
| ***Method Construction:*** | Cable Tool |
| ***Other Method Construction:*** | |

***Pipe Information***

| | |
|---|---|
| ***Pipe ID:*** | 10572825 |
| ***Casing No:*** | 1 |
| ***Comment:*** | |
| ***Alt Name:*** | |

***Construction Record - Casing***

| | |
|---|---|
| ***Casing ID:*** | 930041290 |
| ***Layer:*** | 1 |
| ***Material:*** | 1 |
| ***Open Hole or Material:*** | STEEL |
| ***Depth From:*** | |
| ***Depth To:*** | 27.00 |
| ***Casing Diameter:*** | 5.00 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

| | |
|---|---|
| ***Casing ID:*** | 930041291 |
| ***Layer:*** | 2 |
| ***Material:*** | 4 |
| ***Open Hole or Material:*** | OPEN HOLE |
| ***Depth From:*** | |
| ***Depth To:*** | 112.00 |
| ***Casing Diameter:*** | 5.00 |
| ***Casing Diameter UOM:*** | inch |
| ***Casing Depth UOM:*** | ft |

***Results of Well Yield Testing***

| | |
|---|---|
| ***Pump Test ID:*** | 991502212 |
| ***Pump Set At:*** | |
| ***Static Level:*** | 32.00 |
| ***Final Level After Pumping:*** | 100.00 |
| ***Recommended Pump Depth:*** | 110.00 |
| ***Pumping Rate:*** | 4.00 |
| ***Flowing Rate:*** | |
| ***Recommended Pump Rate:*** | 4.00 |
| ***Levels UOM:*** | ft |

| | |
|---|---|
| **Rate UOM:** | GPM |
| **Water State After Test Code:** | 1 |
| **Water State After Test:** | CLEAR |
| **Pumping Test Method:** | 1 |
| **Pumping Duration HR:** | 1 |
| **Pumping Duration MIN:** | 0 |
| **Flowing:** | N |

***Water Details***

| | |
|---|---|
| **Water ID:** | 933454961 |
| **Layer:** | 1 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 34.00 |
| **Water Found Depth UOM:** | ft |

| | |
|---|---|
| **Water ID:** | 933454962 |
| **Layer:** | 2 |
| **Kind Code:** | 1 |
| **Kind:** | FRESH |
| **Water Found Depth:** | 94.00 |
| **Water Found Depth UOM:** | ft |

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**19** | ***1 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***Twin Realty Ltd.***<br>***3091 Albion Rd***<br>***Ottawa ON*** | ***CA***

| | |
|---|---|
| **Certificate #:** | 2670-765K2X |
| **Application Year:** | 2007 |
| **Issue Date:** | 8/17/2007 |
| **Approval Type:** | Industrial Sewage Works |
| **Status:** | Revoked and/or Replaced |
| **Application Type:** | |
| **Client Name::** | |
| **Client Address::** | |
| **Client City::** | |
| **Client Postal Code::** | |
| **Project Description::** | |
| **Contaminants::** | |
| **Emission Control::** | |

---

**19** | ***2 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***Twin Realty Ltd.***<br>***3091 Albion Rd***<br>***Ottawa ON*** | ***CA***

| | |
|---|---|
| **Certificate #:** | 4934-87QPDD |
| **Application Year:** | 2010 |
| **Issue Date:** | 8/6/2010 |
| **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::** | |

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 19 | 3 of 27 | S/227.4 | 85.2 / -1.69 | CHIEF TRANSPORTATION & TECHNICAL SERVICES<br>3091 ALBION RD<br>OTTAWA ON | FSTH |

**License Issue Date:** 12/19/1990
**Tank Status:** Licensed
**Tank Status As Of:** August 2007
**Operation Type:** Private Fuel Outlet
**Facility Type:** Gasoline Station - Self Serve

**--Details--**
**Status:** Active
**Year of Installation:** 1991
**Corrosion Protection:**
**Capacity:** 22700
**Tank Fuel Type:** Liquid Fuel Double Wall UST - Gasoline

**Status:** Active
**Year of Installation:** 1991
**Corrosion Protection:**
**Capacity:** 45400
**Tank Fuel Type:** Liquid Fuel Double Wall UST - Diesel

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 19 | 4 of 27 | S/227.4 | 85.2 / -1.69 | CHIEF TRANSPORTATION & TECHNICAL SERVICES<br>3091 ALBION RD<br>OTTAWA ON | FSTH |

**License Issue Date:** 12/19/1990
**Tank Status:** Licensed
**Tank Status As Of:** December 2008
**Operation Type:** Private Fuel Outlet
**Facility Type:** Gasoline Station - Self Serve

**--Details--**
**Status:** Active
**Year of Installation:** 1991
**Corrosion Protection:**
**Capacity:** 22700
**Tank Fuel Type:** Liquid Fuel Double Wall UST - Gasoline

**Status:** Active
**Year of Installation:** 1991
**Corrosion Protection:**
**Capacity:** 45400
**Tank Fuel Type:** Liquid Fuel Double Wall UST - Diesel

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 19 | 5 of 27 | S/227.4 | 85.2 / -1.69 | GVT. OF CAN. - NATIONAL CAPITAL COMMISSION 3091 ALBION ROAD NORTH<br>OTTAWA ON K1V 9V9 | GEN |

**Generator No.:** ON0128800
**Status:**
**Approval Years:** 86,87
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 8164
**SIC Description:** REC./CULTURE ADMIN.

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

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

***--Details--***
***Waste Code:*** 213
***Waste Description:*** PETROLEUM DISTILLATES

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 252
***Waste Description:*** WASTE OILS & LUBRICANTS

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**19** | ***6 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***NATIONAL CAPITAL COMMISSION***
***3091 ALBION ROAD NORTH***
***OTTAWA ON K1V 9V9*** | ***GEN***

***Generator No.:*** ON0128800
***Status:***
***Approval Years:*** 88,89
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:*** 8164
***SIC Description:*** REC./CULTURE ADMIN.

***PO Box No.:***
***Country:***
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 213
***Waste Description:*** PETROLEUM DISTILLATES

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 252
***Waste Description:*** WASTE OILS & LUBRICANTS

---

**19** | ***7 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***NATIONAL CAPITAL COMMISSION***
***3091 ALBION ROAD NORTH***
***OTTAWA ON K1V 9V9*** | ***GEN***

***Generator No.:*** ON0128800
***Status:***
***Approval Years:*** 90,98,99,00,01
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:*** 8164
***SIC Description:*** REC./CULTURE ADMIN.

***PO Box No.:***
***Country:***
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 145
***Waste Description:*** PAINT/PIGMENT/COATING RESIDUES

***Waste Code:*** 212
***Waste Description:*** ALIPHATIC SOLVENTS

***Waste Code:*** 213
***Waste Description:*** PETROLEUM DISTILLATES

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 251
***Waste Description:*** OIL SKIMMINGS & SLUDGES

***Waste Code:*** 222

**Waste Description:** HEAVY FUELS

**Waste Code:** 232
**Waste Description:** POLYMERIC RESINS

**Waste Code:** 243
**Waste Description:** PCB'S

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**19** | **8 of 27** | **S/227.4** | **85.2 / -1.69** | **NATIONAL CAPITAL COMMISSION**
**3091 ALBION ROAD NORTH**
**OTTAWA ON K1V 9V9** | **18-090** | **GEN**

**Generator No.:** ON0128800
**Status:**
**Approval Years:** 92,93,94,95,96,97
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 8164
**SIC Description:** REC./CULTURE ADMIN.

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 212
**Waste Description:** ALIPHATIC SOLVENTS

**Waste Code:** 213
**Waste Description:** PETROLEUM DISTILLATES

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 222
**Waste Description:** HEAVY FUELS

**Waste Code:** 232
**Waste Description:** POLYMERIC RESINS

**Waste Code:** 243
**Waste Description:** PCB'S

**Waste Code:** 251
**Waste Description:** OIL SKIMMINGS & SLUDGES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**19** | **9 of 27** | **S/227.4** | **85.2 / -1.69** | **TWIN EQUIPMENT OUTAOUAIS LTD.**
**3091 ALBION ROAD NORTH**
**OTTAWA ON K1V 9V9** | **GEN**

**Generator No.:** ON2676000
**Status:**
**Approval Years:** 01,03,04,07,08
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 6352

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

**SIC Description:** PAINT/BODY REPAIR

***--Details--***
**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 113
**Waste Description:** ACID WASTE - OTHER METALS

**Waste Code:** 131
**Waste Description:** NEUTRALIZED WASTES - HEAVY METALS

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

---

| | | | | | |
|---|---|---|---|---|---|
| 19 | 10 of 27 | S/227.4 | 85.2 / -1.69 | ICP/3842606 CANADA INC.<br>3091 ALBION ROAD NORTH, UNIT 5<br>OTTAWA ON K1V 9V9 | GEN |

**Generator No.:** ON2654600
**Status:**
**Approval Years:** 01
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 4224
**SIC Description:** CONC. POURING & FIN.

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

| | | | | | |
|---|---|---|---|---|---|
| 19 | 11 of 27 | S/227.4 | 85.2 / -1.69 | 3842606 CANADA INC.<br>3091 ALBION ROAD NORTH, UNIT 5<br>OTTAWA ON K1V 9V9 | GEN |

**Generator No.:** ON2654600
**Status:**
**Approval Years:** 02,03,04,05,06
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:**
**SIC Description:**

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

***--Details--***
**Waste Code:** 252

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

**Waste Description:** WASTE OILS & LUBRICANTS

---

**19** | **12 of 27** | **S/227.4** | **85.2 / -1.69** | **High Quality Paint Finishing Inc.**
**3091 Albion Rd N, #6**
**Ottawa ON K1V 9V9** | **GEN**

**Generator No.:** ON6500679
**Status:**
**Approval Years:** 06
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 339990
**SIC Description:** All Other Miscellaneous Manufacturing

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

**--Details--**
**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

---

**19** | **13 of 27** | **S/227.4** | **85.2 / -1.69** | **TWIN EQUIPMENT OUTAOUAIS LTD.**
**3091 ALBION ROAD NORTH**
**OTTAWA ON K1V 9V9** | **GEN**

**Generator No.:** ON2676000
**Status:**
**Approval Years:** 2009
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 336990
**SIC Description:** Other Transportation Equipment Manufacturing

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

**--Details--**
**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 113
**Waste Description:** ACID WASTE - OTHER METALS

**Waste Code:** 131
**Waste Description:** NEUTRALIZED WASTES - HEAVY METALS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**19** | **14 of 27** | **S/227.4** | **85.2 / -1.69** | **TWIN EQUIPMENT OUTAOUAIS LTD.**
**3091 ALBION ROAD NORTH**
**OTTAWA ON K1V 9V9** | **GEN**

**Generator No.:** ON2676000
**Status:**
**Approval Years:** 2010

**PO Box No.:**
**Country:**
**Choice of Contact:**

**Contam. Facility:** **Co Admin:**
**MHSW Facility:** **Phone No. Admin:**
**SIC Code:** 336990
**SIC Description:** Other Transportation Equipment Manufacturing

**--Details--**
**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 113
**Waste Description:** ACID WASTE - OTHER METALS

**Waste Code:** 131
**Waste Description:** NEUTRALIZED WASTES - HEAVY METALS

---

**19** **15 of 27** **S/227.4** **85.2 / -1.69** **Industrial Concrete Pumping**
**3091 Albion road North unit 5**
**Ottawa ON K1V 9V9** **GEN**

**Generator No.:** ON9655584 **PO Box No.:**
**Status:** **Country:**
**Approval Years:** 2010 **Choice of Contact:**
**Contam. Facility:** **Co Admin:**
**MHSW Facility:** **Phone No. Admin:**
**SIC Code:** 238110
**SIC Description:** Poured Concrete Foundation and Structure Contractors

**--Details--**
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

**19** **16 of 27** **S/227.4** **85.2 / -1.69** **Industrial Concrete Pumping**
**3091 Albion road North unit 5**
**Ottawa ON K1V 9V9** **GEN**

**Generator No.:** ON9655584 **PO Box No.:**
**Status:** **Country:**
**Approval Years:** 2011 **Choice of Contact:**
**Contam. Facility:** **Co Admin:**
**MHSW Facility:** **Phone No. Admin:**
**SIC Code:** 238110
**SIC Description:** Poured Concrete Foundation and Structure Contractors

**--Details--**
**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 19 | 17 of 27 | S/227.4 | 85.2 / -1.69 | TWIN EQUIPMENT OUTAOUAIS LTD.<br>3091 ALBION ROAD NORTH<br>OTTAWA ON K1V 9V9 | GEN |

**Generator No.:** ON2676000
**Status:**
**Approval Years:** 2011
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 336990
**SIC Description:** Other Transportation Equipment Manufacturing

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

**--Details--**

**Waste Code:** 211
**Waste Description:** AROMATIC SOLVENTS

**Waste Code:** 131
**Waste Description:** NEUTRALIZED WASTES - HEAVY METALS

**Waste Code:** 221
**Waste Description:** LIGHT FUELS

**Waste Code:** 113
**Waste Description:** ACID WASTE - OTHER METALS

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

**Waste Code:** 145
**Waste Description:** PAINT/PIGMENT/COATING RESIDUES

**Waste Code:** 112
**Waste Description:** ACID WASTE - HEAVY METALS

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 19 | 18 of 27 | S/227.4 | 85.2 / -1.69 | Industrial Concrete Pumping<br>3091 Albion road North unit 5<br>Ottawa ON K1V 9V9 | GEN |

**Generator No.:** ON9655584
**Status:**
**Approval Years:** 2012
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 238110
**SIC Description:** Poured Concrete Foundation and Structure Contractors

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

**--Details--**

**Waste Code:** 252
**Waste Description:** WASTE OILS & LUBRICANTS

---

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| 19 | 19 of 27 | S/227.4 | 85.2 / -1.69 | TWIN EQUIPMENT OUTAOUAIS LTD.<br>3091 ALBION ROAD NORTH<br>OTTAWA ON K1V 9V9 | GEN |

**Generator No.:** ON2676000
**Status:**
**Approval Years:** 2012
**Contam. Facility:**
**MHSW Facility:**
**SIC Code:** 336990

**PO Box No.:**
**Country:**
**Choice of Contact:**
**Co Admin:**
**Phone No. Admin:**

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

***SIC Description:*** Other Transportation Equipment Manufacturing

***--Details--***

***Waste Code:*** 252
***Waste Description:*** WASTE OILS & LUBRICANTS

***Waste Code:*** 113
***Waste Description:*** ACID WASTE - OTHER METALS

***Waste Code:*** 112
***Waste Description:*** ACID WASTE - HEAVY METALS

***Waste Code:*** 211
***Waste Description:*** AROMATIC SOLVENTS

***Waste Code:*** 131
***Waste Description:*** NEUTRALIZED WASTES - HEAVY METALS

***Waste Code:*** 145
***Waste Description:*** PAINT/PIGMENT/COATING RESIDUES

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

---

| | | | | | |
|---|---|---|---|---|---|
| 19 | ***20 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***NATIONAL CAPITAL COMMISSION***<br>***3091 ALBION ROAD***<br>***OTTAWA ON K1V 9V9*** | ***NPCB*** |

***Company Code:*** O3200
***Industry:*** Other Federally Regulated Business
***Site Status:***
***Transaction Date:*** 11/19/1991
***Inspection Date:***

---

| | | | | | |
|---|---|---|---|---|---|
| 19 | ***21 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***NATIONAL CAPITAL COMMISSION***<br>***3091 ALBION ROAD***<br>***OTTAWA ON K1V 9V*** | ***NPCB*** |

***Company Code:*** O3200
***Industry:*** OTHER FEDERALLY REGULATED BUS.
***Site Status:*** ITEMS SENT TO SWAN HILLS
***Transaction Date:*** 7/16/1996
***Inspection Date:*** 11/18/1994

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| | | | | | |
|---|---|---|---|---|---|
| 19 | ***22 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***CDM GROUNDSCARE INC O/A CLINTAR GROUNDSKEEPING SERV.***<br>***3091 ALBION ROAD, SUITE 3***<br>***OTTAWA ON K1V9V9*** | ***PES*** |

***Licence No:***
***Detail Licence No:***
***Licence Type Code:***
***Licence Type:*** Operator
***Licence Class:***
***Licence Control:***
***Trade Name:***
***Post Office Box:***
***Lot:***
***Concession:***
***Region:***

***Operator Box:***
***Operator Class:***
***Operator No:***
***Operator Type:***
***Operator Lot:***
***Oper Concession:***
***Operator Region:***
***Operator District:***
***Operator County:***
***Oper Phone Area Cd:***
***Ext:***

| Map Key | Number of Records | Direction/ Distance (m) | Elev/Diff (m) | Site | DB |
|---|---|---|---|---|---|
| **District:** | | | | **Oper Phone No:** | |
| **County:** | | | | **Proponent Ext:** | |

| | | | | | |
|---|---|---|---|---|---|
| 19 | 23 of 27 | S/227.4 | 85.2 / -1.69 | CHIEF TRANSPORTATION & TECHNICAL SERVICES<br>3091 ALBION RD<br>OTTAWA ON K1V 9V9 | PRT |

**Location ID:** 10826
**Type:** private
**Expiry Date:**
**Capacity (L):** 69174.00
**Licence #:** 0001048765

| | | | | | |
|---|---|---|---|---|---|
| 19 | 24 of 27 | S/227.4 | 85.2 / -1.69 | NATIONAL CAPITAL COMMISSION<br>3091 ALBION ROAD<br>OTTAWA ON | REC |

**Rec Op Div:**
**Co Admin:**
**Phone No Admin:**
**Rec Div:**
**Rec Op Name:**
**Choice of Contact:**
**Site Bldg:**
**Site PO Box:**
**Receiver #::** RRPCB0760
**Facility Type:** TRANSFER STATION
**Approval Yrs::** 89,90,92,94,95,96,97,98,99,00,01,02,06,07,08

| | | | | | |
|---|---|---|---|---|---|
| 19 | 25 of 27 | S/227.4 | 85.2 / -1.69 | Twin Equipment Ltd.<br>3091 Albion Rd N<br>Ottawa ON K1V 9V9 | SCT |

**Established:** 01-JUN-81
**Plant Size (ft²):** 30000
**Employment:**

**--Details--**
**Description:** Motor Vehicle Body Manufacturing
**SIC/NAICS Code:** 336211

**Description:** Truck Trailer Manufacturing
**SIC/NAICS Code:** 336212

**Description:** Construction and Forestry Machinery, Equipment and Supplies Wholesaler-Distributors
**SIC/NAICS Code:** 417210

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

**Description:** Office and Store Machinery and Equipment Wholesaler-Distributors
**SIC/NAICS Code:** 417910

**Description:** Farm, Lawn and Garden Machinery and Equipment Wholesaler-Distributors
**SIC/NAICS Code:** 417110

**Description:** Other New Motor Vehicle Parts and Accessories Wholesaler-Distributors
**SIC/NAICS Code:** 415290

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

***Description:*** Other Metal Container Manufacturing
***SIC/NAICS Code:*** 332439

---

**19** | ***26 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***Ottawa Quality Paint Finishing*** | ***SCT***
***3091 Albion Rd N Unit 6***
***Ottawa ON K1V 9V9***

***Established:*** 01-AUG-89
***Plant Size (ft²):***
***Employment:***

***--Details--***
***Description:*** Coating, Engraving, Heat Treating and Allied Activities
***SIC/NAICS Code:*** 332810

***Description:*** Coating, Engraving, Heat Treating and Allied Activities
***SIC/NAICS Code:*** 332810

---

**19** | ***27 of 27*** | ***S/227.4*** | ***85.2 / -1.69*** | ***Clintar Groundskeeping Operation*** | ***SPL***
***3091 Albion Road, North***
***Ottawa ON***

| | | | |
|---|---|---|---|
| ***Ref No:*** | 3601-8RWU9Y | ***Sector Type:*** | Other |
| ***Contaminant Name:*** | DIESEL FUEL | ***Source Type:*** | |
| ***Contaminant Code:*** | 13 | ***Receiving Medium:*** | Sewage - Municipal/Private and Commercial |
| ***Contaminant Limit 1:*** | | ***Receiving Env:*** | |
| ***Contam Limit Freq 1:*** | | ***Environment Impact:*** | Not Anticipated |
| ***Contaminant UN No 1:*** | | ***Nature of Impact:*** | Other Impact(s) |
| ***Contaminant Qty:*** | | ***SAC Action Class:*** | TSSA - Fuel Safety Branch |
| ***Material Group:*** | | ***Year:*** | |
| ***MOE Reported Dt:*** | 28-FEB-12 | ***Site Address:*** | 3091 Albion Road, North |
| ***Health/Env Conseq:*** | | ***Site Conc:*** | |
| ***Incident Dt:*** | 28-FEB-12 | ***Site Lot:*** | |
| ***Incident Cause:*** | Other Discharges | ***Site County/District:*** | |
| ***Incident Event:*** | | ***Site Municipality:*** | Ottawa |
| ***Incident Reason:*** | Spill | ***Site Postal Code:*** | |
| ***Incident Summary:*** | Clintar Groundskeeping: 5 L diesel leak to ashpalt. | | |

# Unplottable Summary

**Total: 23 Unplottable sites**

| DB | Company Name/Site Name | Address | City | Postal |
|---|---|---|---|---|
| CA | NATIONAL CAPITAL COMMISSION | UPGRADE RICHMOND LANDING P.S. | OTTAWA ON | |
| CA | MUSCA WINE PRESSING & SUPPLIES LTD. | PT.LOT 2, SOMERSET ST.W. (SWM) | OTTAWA CITY ON | |
| CA | National Capital Commission | | Ottawa ON | |
| CA | National Capital Commission | | Ottawa ON | |
| CA | National Capital Commission | | Ottawa ON | |
| CA | National Capital Commission | | Ottawa ON | |
| CA | Hydro Ottawa Limited | | Ottawa ON | |
| GEN | NATIONAL CAPITAL COMMISSION | LOT 25,26,27 | OTTAWA ON | K1P 1C7 |
| GEN | National Capital Commission | Parking Lot 19 P19 | Ottawa ON | K1P1C7 |
| GEN | National Capital Commission | River Road North | Ottawa ON | K1P1C7 |
| GEN | NATIONAL CAPITAL COMMISSION | RIDEAU RIVER PARK | OTTAWA ON | K1A 1L5 |
| GEN | National Capital Commission | Hurdman Park | Ottawa ON | K1P 1C7 |
| GEN | National Capital Commission | Hurdman Park | Ottawa ON | K1P 1C7 |
| GEN | National Capital Commission | Parking Lot 19 P19 | Ottawa ON | K1P1C7 |
| GEN | National Capital Commission | Parking Lot 19 P19 | Ottawa ON | K1P1C7 |
| GEN | National Capital Commission | Hurdman Park | Ottawa ON | K1P 1C7 |
| GEN | National Capital Commission | Parking Lot 19 P19 | Ottawa ON | K1P1C7 |
| GEN | National Capital Commission | Hurdman Park | Ottawa ON | K1P 1C7 |

| | | | |
|---|---|---|---|
| SPL | NATIONAL CAPITAL COMMISSION | PATTERSON'S CREEK STORAGE TANKS | OTTAWA CITY ON |
| SPL | Hydro Ottawa Limited | Lot 102 Waterbridge Crec | Ottawa ON |
| SPL | Hydro Ottawa Limited | Gloucester | Ottawa ON |
| SPL | Hydro Ottawa Limited | Kanata | Ottawa ON |
| WWIS | | lot 1 | ON |

# Unplottable Report

**Site:** ***NATIONAL CAPITAL COMMISSION***
***UPGRADE RICHMOND LANDING P.S. OTTAWA ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 3-1598-98- |
| ***Application Year:*** | 98 |
| ***Issue Date:*** | 11/6/1998 |
| ***Approval Type:*** | Municipal sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name::*** | |
| ***Client Address::*** | |
| ***Client City::*** | |
| ***Client Postal Code::*** | |
| ***Project Description::*** | |
| ***Contaminants::*** | |
| ***Emission Control::*** | |

---

**Site:** ***MUSCA WINE PRESSING & SUPPLIES LTD.***
***PT.LOT 2, SOMERSET ST.W. (SWM) OTTAWA CITY ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 3-0568-96- |
| ***Application Year:*** | 96 |
| ***Issue Date:*** | 7/17/1996 |
| ***Approval Type:*** | Municipal sewage |
| ***Status:*** | Approved |
| ***Application Type:*** | |
| ***Client Name::*** | |
| ***Client Address::*** | |
| ***Client City::*** | |
| ***Client Postal Code::*** | |
| ***Project Description::*** | |
| ***Contaminants::*** | |
| ***Emission Control::*** | |

---

**Site:** ***National Capital Commission***
***Ottawa ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 3232-5R2TP9 |
| ***Application Year:*** | 2003 |
| ***Issue Date:*** | 9/11/2003 |
| ***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::*** | |

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**Site:** ***National Capital Commission***
***Ottawa ON***

**Database:** ***CA***

| | |
|---|---|
| ***Certificate #:*** | 7369-5VVHZ7 |
| ***Application Year:*** | 2004 |

***Issue Date:*** 2/6/2004
***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::***

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***Site:*** ***National Capital Commission***
***Ottawa ON***

***Database:*** ***CA***

***Certificate #:*** 8221-5UJJDN
***Application Year:*** 2003
***Issue Date:*** 12/24/2003
***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::***

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***Site:*** ***National Capital Commission***
***Ottawa ON***

***Database:*** ***CA***

***Certificate #:*** 2774-5STJYB
***Application Year:*** 2003
***Issue Date:*** 11/3/2003
***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::***

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***Site:*** ***Hydro Ottawa Limited***
***Ottawa ON***

***Database:*** ***CA***

***Certificate #:*** 9824-89HKHQ
***Application Year:*** 2010
***Issue Date:*** 10/14/2010
***Approval Type:*** Industrial Sewage Works
***Status:*** Approved
***Application Type:***
***Client Name::***
***Client Address::***
***Client City::***
***Client Postal Code::***
***Project Description::***
***Contaminants::***
***Emission Control::***

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***Site:*** ***NATIONAL CAPITAL COMMISSION***
***LOT 25,26,27 OTTAWA ON K1P 1C7***

***Database:*** ***GEN***

***Generator No.:*** ON9920165
***Status:***
***Approval Years:*** 2010
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:*** 712190
***SIC Description:*** Other Heritage Institutions

***PO Box No.:***
***Country:***
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

---

***Site:*** ***National Capital Commission***
***Parking Lot 19 P19 Ottawa ON K1P1C7***

***Database:*** ***GEN***

***Generator No.:*** ON7977721
***Status:***
***Approval Years:*** 2015
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 911910
***SIC Description:*** 911910

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

---

***Site:*** ***National Capital Commission***
***River Road North Ottawa ON K1P1C7***

***Database:*** ***GEN***

***Generator No.:*** ON9269241
***Status:***
***Approval Years:*** 2014
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 991910
***SIC Description:*** 991910

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 146
***Waste Description:*** OTHER SPECIFIED INORGANICS

***Waste Code:*** 252
***Waste Description:*** WASTE OILS & LUBRICANTS

---

***Site:*** ***NATIONAL CAPITAL COMMISSION***
***RIDEAU RIVER PARK OTTAWA ON K1A 1L5***

***Database:*** ***GEN***

***Generator No.:*** ON7973777
***Status:***
***Approval Years:*** 04
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:*** 485510
***SIC Description:*** Charter Bus Industry

***PO Box No.:***
***Country:***
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

---

***Site:*** ***National Capital Commission***
***Hurdman Park Ottawa ON K1P 1C7***

***Database:*** ***GEN***

***Generator No.:*** ON6588263
***Status:***
***Approval Years:*** 07,08
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:*** 911910
***SIC Description:*** Other Federal Government Public Administration

***PO Box No.:***
***Country:***
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 149
***Waste Description:*** LANDFILL LEACHATES

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

---

***Site:*** ***National Capital Commission***
***Hurdman Park Ottawa ON K1P 1C7***

***Database:*** ***GEN***

***Generator No.:*** ON6588263
***Status:***
***Approval Years:*** 2016
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 911910
***SIC Description:*** 911910

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:*** Allison Myatt
***Phone No. Admin:*** 613 239-5019 Ext.

***--Details--***
***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 149
***Waste Description:*** LANDFILL LEACHATES

---

***Site:*** ***National Capital Commission***
***Parking Lot 19 P19 Ottawa ON K1P1C7***

***Database:*** ***GEN***

***Generator No.:*** ON7977721
***Status:***
***Approval Years:*** 2014
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 911910
***SIC Description:*** 911910

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

---

***Site:*** ***National Capital Commission***
***Parking Lot 19 P19 Ottawa ON K1P1C7***

***Database:*** ***GEN***

***Generator No.:*** ON7977721
***Status:*** Registered
***Approval Years:*** As of Dec 2017
***Contam. Facility:***
***MHSW Facility:***
***SIC Code:***
***SIC Description:***

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:***
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 221 L

***Waste Description:*** Light fuels

---

***Site:*** ***National Capital Commission***
***Hurdman Park Ottawa ON K1P 1C7***

***Database:*** ***GEN***

***Generator No.:*** ON6588263
***Status:***
***Approval Years:*** 2014
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 911910
***SIC Description:*** 911910

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:*** Allison Myatt
***Phone No. Admin:*** 613 239-5019 Ext.

***--Details--***
***Waste Code:*** 149
***Waste Description:*** LANDFILL LEACHATES

***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

---

***Site:*** ***National Capital Commission***
***Parking Lot 19 P19 Ottawa ON K1P1C7***

***Database:*** ***GEN***

***Generator No.:*** ON7977721
***Status:***
***Approval Years:*** 2016
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 911910
***SIC Description:*** 911910

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:***
***Phone No. Admin:***

***--Details--***
***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

---

***Site:*** ***National Capital Commission***
***Hurdman Park Ottawa ON K1P 1C7***

***Database:*** ***GEN***

***Generator No.:*** ON6588263
***Status:***
***Approval Years:*** 2015
***Contam. Facility:*** No
***MHSW Facility:*** No
***SIC Code:*** 911910
***SIC Description:*** 911910

***PO Box No.:***
***Country:*** Canada
***Choice of Contact:*** CO_OFFICIAL
***Co Admin:*** Allison Myatt
***Phone No. Admin:*** 613 239-5019 Ext.

***--Details--***
***Waste Code:*** 221
***Waste Description:*** LIGHT FUELS

***Waste Code:*** 149
***Waste Description:*** LANDFILL LEACHATES

---

***Site:*** ***NATIONAL CAPITAL COMMISSION***
***PATTERSON'S CREEK STORAGE TANKS OTTAWA CITY ON***

***Database:*** ***SPL***

***Ref No:*** 157288
***Contaminant Name:***
***Contaminant Code:***
***Contaminant Limit 1:***
***Contam Limit Freq 1:***

***Sector Type:***
***Source Type:***
***Receiving Medium:*** WATER
***Receiving Env:***
***Environment Impact:*** CONFIRMED

***Contaminant UN No 1:***
***Contaminant Qty:***
***Material Group:***
***MOE Reported Dt:*** 6/26/1998
***Health/Env Conseq:***
***Incident Dt:*** 6/26/1998
***Incident Cause:*** UNKNOWN
***Incident Event:***
***Incident Reason:*** UNKNOWN
***Incident Summary:*** NATIONAL CAPITAL COM. - OIL TO PATTERSON'S CREEK.

***Nature of Impact:*** Water course or lake
***SAC Action Class:***
***Year:***
***Site Address:***
***Site Conc:***
***Site Lot:***
***Site County/District:***
***Site Municipality:*** 20101
***Site Postal Code:***

---

***Site:*** ***Hydro Ottawa Limited***
***Lot 102 Waterbridge Crec Ottawa ON***

***Database:*** ***SPL***

***Ref No:*** 0200-5WPRAE
***Contaminant Name:*** TRANSFORMER OIL (N.O.S.)
***Contaminant Code:*** 15
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Contaminant Qty:*** 4.5 L
***Material Group:*** Oil
***MOE Reported Dt:*** 3/2/2004
***Health/Env Conseq:***
***Incident Dt:*** 2/16/2004
***Incident Cause:*** Valve / Fitting Leak Or Failure
***Incident Event:***
***Incident Reason:*** Unknown - Reason not determined
***Incident Summary:*** Transformer leakon Waterbridge Crec, Ottawa

***Sector Type:***
***Source Type:***
***Receiving Medium:*** Land
***Receiving Env:***
***Environment Impact:*** Not Anticipated
***Nature of Impact:*** Soil Contamination
***SAC Action Class:*** Spill to Land
***Year:***
***Site Address:***
***Site Conc:***
***Site Lot:***
***Site County/District:***
***Site Municipality:*** Ottawa
***Site Postal Code:***

---

***Site:*** ***Hydro Ottawa Limited***
***Gloucester Ottawa ON***

***Database:*** ***SPL***

***Ref No:*** 0266-5YAGND
***Contaminant Name:*** TRANSFORMER OIL (N.O.S.)
***Contaminant Code:*** 15
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Contaminant Qty:*** 50 L
***Material Group:*** Oil
***MOE Reported Dt:*** 4/22/2004
***Health/Env Conseq:***
***Incident Dt:*** 4/21/2004
***Incident Cause:*** Unknown
***Incident Event:***
***Incident Reason:*** Unknown - Reason not determined
***Incident Summary:*** Hydro Ottawa: >50L Non-PCB Trans Oil to ground

***Sector Type:*** Transformer
***Source Type:***
***Receiving Medium:*** Land
***Receiving Env:***
***Environment Impact:*** Confirmed
***Nature of Impact:*** Soil Contamination
***SAC Action Class:***
***Year:***
***Site Address:***
***Site Conc:***
***Site Lot:***
***Site County/District:***
***Site Municipality:*** Ottawa
***Site Postal Code:***

---

***Site:*** ***Hydro Ottawa Limited***
***Kanata Ottawa ON***

***Database:*** ***SPL***

***Ref No:*** 6222-5ZU8UL
***Contaminant Name:*** TRANSFORMER OIL (N.O.S.)
***Contaminant Code:*** 15
***Contaminant Limit 1:***
***Contam Limit Freq 1:***
***Contaminant UN No 1:***
***Contaminant Qty:***
***Material Group:*** Oil
***MOE Reported Dt:*** 6/11/2004
***Health/Env Conseq:***
***Incident Dt:*** 6/10/2004

***Sector Type:*** Transformer
***Source Type:***
***Receiving Medium:*** Land
***Receiving Env:***
***Environment Impact:*** Possible
***Nature of Impact:*** Soil Contamination
***SAC Action Class:*** Spills
***Year:***
***Site Address:***
***Site Conc:***
***Site Lot:***

| | | | |
|---|---|---|---|
| ***Incident Cause:*** | Cooling System Leak | ***Site County/District:*** | |
| ***Incident Event:*** | | ***Site Municipality:*** | Ottawa |
| ***Incident Reason:*** | Unknown - Reason not determined | ***Site Postal Code:*** | |
| ***Incident Summary:*** | Hydro One - 212 L transformer oil to ground. | | |

***Site:***
***lot 1 ON***

***Database:***
***WWIS***

| | | | |
|---|---|---|---|
| ***Well ID:*** | 1518217 | ***Data Entry Status:*** | |
| ***Construction Date:*** | | ***Data Src:*** | 1 |
| ***Primary Water Use:*** | Domestic | ***Date Received:*** | 5/6/1983 |
| ***Sec. Water Use:*** | Livestock | ***Selected Flag:*** | 1 |
| ***Final Well Status:*** | Water Supply | ***Abandonment Rec:*** | |
| ***Water Type:*** | | ***Contractor:*** | 3644 |
| ***Casing Material:*** | | ***Form Version:*** | 1 |
| ***Audit No:*** | | ***Owner:*** | |
| ***Tag:*** | | ***Street Name:*** | |
| ***Construction Method:*** | | ***County:*** | OTTAWA-CARLETON |
| ***Elevation (m):*** | | ***Municipality:*** | OTTAWA CITY |
| ***Elevation Reliability:*** | | ***Site Info:*** | |
| ***Depth to Bedrock:*** | | ***Lot:*** | 001 |
| ***Well Depth:*** | | ***Concession:*** | |
| ***Overburden/Bedrock:*** | | ***Concession Name:*** | |
| ***Pump Rate:*** | | ***Easting NAD83:*** | |
| ***Static Water Level:*** | | ***Northing NAD83:*** | |
| ***Flowing (Y/N):*** | | ***Zone:*** | |
| ***Flow Rate:*** | | ***UTM Reliability:*** | |
| ***Clear/Cloudy:*** | | | |

***Bore Hole Information***

| | | | |
|---|---|---|---|
| ***Bore Hole ID:*** | 10040087 | ***Spatial Status:*** | |
| ***DP2BR:*** | 52 | ***Cluster Kind:*** | |
| ***Code OB:*** | r | ***UTMRC:*** | 9 |
| ***Code OB Desc:*** | Bedrock | ***UTMRC Desc:*** | unknown UTM |
| ***Open Hole:*** | | ***Location Method:*** | na |
| ***Elevation:*** | | ***Org CS:*** | |
| ***Elevrc:*** | | ***Date Completed:*** | 3/21/1983 |
| ***Remarks:*** | | | |
| ***Elevrc Desc:*** | | | |
| ***Location Source Date:*** | | | |
| ***Improvement Location Source:*** | | | |
| ***Improvement Location Method:*** | | | |
| ***Source Revision Comment:*** | | | |
| ***Supplier Comment:*** | | | |

***Overburden and Bedrock Materials Interval***

| | |
|---|---|
| ***Formation ID:*** | 931037739 |
| ***Layer:*** | 1 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |
| ***Mat1:*** | 05 |
| ***Most Common Material:*** | CLAY |
| ***Mat2:*** | |
| ***Other Materials:*** | |
| ***Mat3:*** | |
| ***Other Materials:*** | |
| ***Formation Top Depth:*** | 0.00 |
| ***Formation End Depth:*** | 15.00 |
| ***Formation End Depth UOM:*** | ft |

| | |
|---|---|
| ***Formation ID:*** | 931037740 |
| ***Layer:*** | 2 |
| ***Color:*** | 2 |
| ***General Color:*** | GREY |

***Mat1:*** 05
***Most Common Material:*** CLAY
***Mat2:*** 13
***Other Materials:*** BOULDERS
***Mat3:*** 14
***Other Materials:*** HARDPAN
***Formation Top Depth:*** 15.00
***Formation End Depth:*** 35.00
***Formation End Depth UOM:*** ft

***Formation ID:*** 931037741
***Layer:*** 3
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 13
***Most Common Material:*** BOULDERS
***Mat2:*** 14
***Other Materials:*** HARDPAN
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 35.00
***Formation End Depth:*** 52.00
***Formation End Depth UOM:*** ft

***Formation ID:*** 931037742
***Layer:*** 4
***Color:*** 2
***General Color:*** GREY
***Mat1:*** 15
***Most Common Material:*** LIMESTONE
***Mat2:***
***Other Materials:***
***Mat3:***
***Other Materials:***
***Formation Top Depth:*** 52.00
***Formation End Depth:*** 167.00
***Formation End Depth UOM:*** ft

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

***Method Construction ID:*** 961518217
***Method Construction Code:*** 1
***Method Construction:*** Cable Tool
***Other Method Construction:***

***Pipe Information***

***Pipe ID:*** 10588657
***Casing No:*** 1
***Comment:***
***Alt Name:***

***Construction Record - Casing***

***Casing ID:*** 930069992
***Layer:*** 1
***Material:***
***Open Hole or Material:***
***Depth From:***
***Depth To:*** 53.00
***Casing Diameter:*** 6.00
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Casing ID:*** 930069993
***Layer:*** 2

***Material:*** 4
***Open Hole or Material:*** OPEN HOLE
***Depth From:***
***Depth To:*** 167.00
***Casing Diameter:*** 6.00
***Casing Diameter UOM:*** inch
***Casing Depth UOM:*** ft

***Results of Well Yield Testing***

***Pump Test ID:*** 991518217
***Pump Set At:***
***Static Level:*** 25.00
***Final Level After Pumping:*** 60.00
***Recommended Pump Depth:*** 90.00
***Pumping Rate:*** 20.00
***Flowing Rate:***
***Recommended Pump Rate:*** 5.00
***Levels UOM:*** ft
***Rate UOM:*** GPM
***Water State After Test Code:***
***Water State After Test:***
***Pumping Test Method:*** 2
***Pumping Duration HR:*** 2
***Pumping Duration MIN:*** 0
***Flowing:*** N

***Draw Down & Recovery***

***Pump Test Detail ID:*** 934103534
***Test Type:***
***Test Duration:*** 15
***Test Level:*** 60.00
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934378286
***Test Type:***
***Test Duration:*** 30
***Test Level:*** 60.00
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934639345
***Test Type:***
***Test Duration:*** 45
***Test Level:*** 60.00
***Test Level UOM:*** ft

***Pump Test Detail ID:*** 934897806
***Test Type:***
***Test Duration:*** 60
***Test Level:*** 60.00
***Test Level UOM:*** ft

***Water Details***

***Water ID:*** 933474885
***Layer:*** 1
***Kind Code:*** 1
***Kind:*** FRESH
***Water Found Depth:*** 80.00
***Water Found Depth UOM:*** ft

***Water ID:*** 933474886
***Layer:*** 2
***Kind Code:*** 5
***Kind:*** Not stated
***Water Found Depth:*** 148.00

***Water Found Depth UOM:*** ft

***Water ID:*** 933474887
***Layer:*** 3
***Kind Code:*** 5
***Kind:*** Not stated
***Water Found Depth:*** 162.00
***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 Natural Resources maintains a database of all active pits and quarries. The database provides information regarding the registered owner/operator, location name, operation type, approval type, and maximum annual tonnage.

***Government Publication Date: Up to Sep 2017***

***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-Nov 2016***

***Anderson's Waste Disposal Sites:*** Private ANDR

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

***Government Publication Date: 1860s-Present***

***Automobile Wrecking & Supplies:*** Private AUWR

This database provides an inventory of known locations that are involved in the scrap metal, automobile wrecking/recycling, and automobile parts & supplies industry. Information is provided on the company name, location and business type.

***Government Publication Date: 1999-Jan 31, 2018***

***Borehole:*** Provincial BORE

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

***Government Publication Date: 1875-Jul 2014***

***Certificates of Approval:*** Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

***Government Publication Date: 1985-Oct 30, 2011****

***Commercial Fuel Oil Tanks:*** Provincial CFOT

Since May 2002, Ontario developed a new act where it became mandatory for fuel oil tanks to be registered with Technical Standards & Safety Authority (TSSA). This data would include all commercial underground fuel oil tanks in Ontario with fields such as location, registration number, tank material, age of tank and tank size.

***Government Publication Date: Feb 28, 2017***

***Chemical Register:*** Private CHEM

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

***Government Publication Date: 1999-Jan 31, 2018***

***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 31, 2012***

***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-Nov 2017***

***Certificates of Property Use:*** Provincial CPU

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all CPU's on the registry such as (EPA s. 168.6) - Certificate of Property Use.

***Government Publication Date: 1994-Feb 28, 2018***

***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-Nov 30, 2017***

***Dry Cleaning Facilities:*** Federal DRYCLEANERS

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

***Government Publication Date: Jan 2004-Dec 2016***

***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-Jan 31, 2018***

***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-Feb 28, 2018***

***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-Jan 31, 2018***

***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-Feb 28, 2018***

***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: Dec 31, 2016***

***List of TSSA Expired Facilities:*** Provincial EXP

List of facilities with removed tanks which were once registered with the Fuels Safety Program of the Technical Standards and Safety Authority (TSSA). Includes private fuel outlets, bulk plants, fuel oil tanks, gasoline stations, marinas, propane filling stations, liquid fuel tanks, piping systems, etc. Tanks which have been removed automatically fall under the expired facilities inventory held by TSSA.

***Government Publication Date: Feb 28, 2017***

***Federal Convictions:*** Federal FCON

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

***Government Publication Date: 1988-Jun 2007****

***Contaminated Sites on Federal Land:*** Federal FCS

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

***Government Publication Date: Jun 2000-Mar 2018***

***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 2017***

***Fuel Storage Tank:*** Provincial FST

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

***Government Publication Date: Feb 28, 2017***

***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-December 31, 2017***

***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 2015***

***TSSA Historic Incidents:*** Provincial HINC

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

***Government Publication Date: 2006-June 2009****

***Indian & Northern Affairs Fuel Tanks:*** Federal IAFT

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

***Government Publication Date: 1950-Aug 2003****

***TSSA Incidents:*** Provincial INC

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

***Government Publication Date: Feb 28, 2017***

***Landfill Inventory Management Ontario:*** Provincial LIMO

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

***Government Publication Date: Dec 31, 2013***

***Canadian Mine Locations:*** Private MINE

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

***Government Publication Date: 1998-2009****

***Environmental Penalty Annual Report:*** Provincial MISA PENALTY

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

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

***Mineral Occurrences:*** 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-Jan 2018***

***National Analysis of Trends in Emergencies System (NATES):*** Federal NATE

In 1974 Environment Canada established the National Analysis of Trends in Emergencies System (NATES) database, for the voluntary reporting of significant spill incidents. The data was to be used to assist in directing the work of the emergencies program. NATES ran from 1974 to 1994. 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, 2016***

***National Defense & Canadian Forces Fuel Tanks:*** Federal NDFT

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

***Government Publication Date: Up to May 2001****

***National Defense & Canadian Forces Spills:*** Federal NDSP

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

***Government Publication Date: Mar 1999-Aug 2010***

***National Defence & Canadian Forces Waste Disposal Sites:*** Federal NDWD

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

***Government Publication Date: 2001-Apr 2007****

***National Energy Board Pipeline Incidents:*** Federal NEBI

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

***Government Publication Date: 2008-Dec 31, 2017***

***National Energy Board Wells:*** Federal NEBW

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

***Government Publication Date: 1920-Feb 2003****

***National Environmental Emergencies System (NEES):*** Federal NEES

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

***Government Publication Date: 1974-2003****

***National PCB Inventory:*** Federal NPCB

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

***Government Publication Date: 1988-2008****

***National Pollutant Release Inventory:*** Federal NPRI

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

***Government Publication Date: 1993-May 2017***

***Oil and Gas Wells:*** Private OGW

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

***Government Publication Date: 1988-December 31, 2017***

***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-Oct 2017***

***Inventory of PCB Storage Sites:*** Provincial OPCB

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

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

***Orders:*** Provincial ORD

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

***Government Publication Date: 1994-Feb 28, 2018***

***Canadian Pulp and Paper:*** Private PAP

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

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

***Parks Canada Fuel Storage Tanks:*** Federal PCFT

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

***Government Publication Date: 1920-Jan 2005****

***Pesticide Register:*** Provincial PES

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

***Government Publication Date: 1988-Mar 2018***

***TSSA Pipeline Incidents:*** Provincial PINC

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

***Government Publication Date: Feb 28, 2017***

***Private and Retail Fuel Storage Tanks:*** Provincial PRT

The Fuels Safety Branch of the Ontario Ministry of Consumer and Commercial Relations maintained a database of all registered private fuel storage tanks and licensed retail fuel outlets. This database includes an inventory of locations that have gasoline, oil, waste oil, natural gas and/or propane storage tanks on their property. The MCCR no longer collects this information. This information is now collected by the Technical Standards and Safety Authority (TSSA).

***Government Publication Date: 1989-1996****

***Permit to Take Water:*** Provincial PTTW

This is a subset taken from Ontario's Environmental Registry (EBR) database. It will include all PTTW's on the registry such as OWRA s. 34 - Permit to take water.

***Government Publication Date: 1994-Feb 28, 2018***

***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: 1986-2016***

***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-Nov 2017***

***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-Jan 31, 2018***

***Scott's Manufacturing Directory:*** Private SCT

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

***Government Publication Date: 1992-Mar 2011****

***Ontario Spills:*** Provincial SPL

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

***Government Publication Date: 1988-Sep 2017***

***Wastewater Discharger Registration Database:*** Provincial SRDS

Information under this heading is combination of the following 2 programs. The Municipal/Industrial Strategy for Abatement (MISA) division of the Ontario Ministry of Environment maintained a database of all direct dischargers of toxic pollutants within nine sectors including: Electric Power Generation; Mining; Petroleum Refining; Organic Chemicals; Inorganic Chemicals; Pulp & Paper; Metal Casting; Iron & Steel; and Quarries. All sampling information is now collected and stored within the Sample Result Data Store (SRDS).

***Government Publication Date: 1990-Dec 31, 2016***

***Anderson's Storage Tanks:*** 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-Aug 2017***

***TSSA Variances for Abandonment of Underground Storage Tanks:*** Provincial VAR

List of variances granted for abandoned tanks. Under the Technical Standards and Safety Authority (TSSA) Liquid Fuels Handling Code and Fuel Oil Code, all underground storage tanks must be removed within two years of disuse. If removal of a tank is not feasible, an application may be sought for a variance from this code requirement.

***Government Publication Date: Feb 28, 2017***

***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-Jan 31, 2018***

***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, 2017***

# 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 F: Municipal Records

File Number: D06-03-18-0012

June 15, 2018

Kathy Radisch
EXP Services
100-2650 Queensview Drive
Ottawa, ON K2B 8H6

*Sent via email [kathy.radisch@exp.com]*

Dear Ms. Radisch,

**Re: Information Request**
**3025 Albion Road, Ottawa, Ontario ("Subject Property")**

**Internal Department Circulation**

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

- Sewer Use Program: The subject property had a Short Term Sanitary Sewer Agreement (May to November 2009), which has since undergone self-monitoring analysis and payment of discharge fees. There have been no enforcement actions.

**Search of Historical Land Use Inventory**

**This acknowledges receipt of the signed Disclaimer regarding your request for information from the City's Historical Land Use Inventory (HLUI 2005) database for the Subject Property.**

A search of the HLUI database revealed the following information:

- There are two (2) activities associated with the Subject Property: Activity Numbers 6462 and 4355.

The HLUI database was also searched for activity associated with properties located within 50m of the Subject Property. The search revealed the following:

- There are five (5) activities associated with properties located within 50m of the Subject Property: Activity Numbers 2812, 3605, 6462, 4355, and 14838.

A site map has been included to show the location of the Subject Property as well as the location of all the activities noted above.

Additional information may be obtained by contacting:

**Ontario's Environmental Registry**

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

**The Ontario Land Registry Office**

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

Court House
161 Elgin Street 4th Floor
Ottawa ON K2P 2K1
Tel: (613) 239-1230
Fax: (613) 239-1422

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

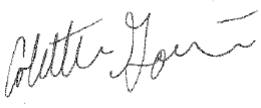
**Furthermore, the HLUI database and the results of this search in no way confirm the presence or absence of contamination or pollution of any kind. This information is provided on the assumption that it will not be relied upon by any person for any purpose whatsoever. The City of Ottawa denies all liability to any persons attempting to rely on any information provided from the HLUI database.**

**Please note that in responding to your request, the City of Ottawa does not guarantee or comment on the environmental condition of the Subject Property.**

**You may wish to contact the Ontario Ministry of Environment and Climate Change for additional information.**

If you have any further questions or comments, please contact Colette Gorni at 613-580-2424 ext. 21690 or HLUI@ottawa.ca

Sincerely,



Colette Gorni

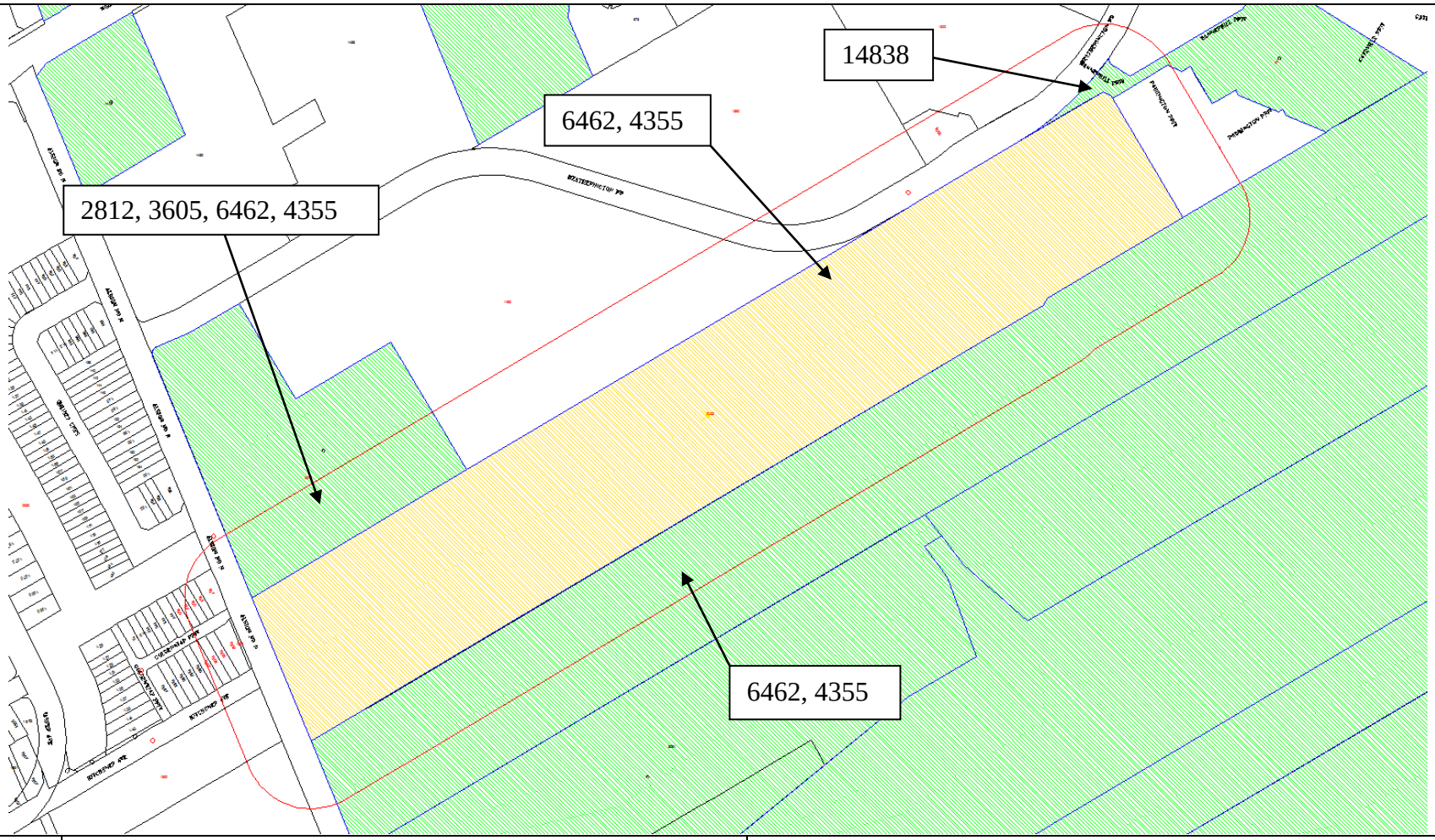
Per:

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

MB / CG

Attach: 5

cc: File no. D06-03-18-0012




Scale 1: n/a

3025 Albion Road
Ottawa, ON
File # D06-03-18-0012
Colette Gorni

Ottawa

Overview

ID# = Activity Identification Number

= Subject Site

**CITY OF OTTAWA**

**HLUI ID: __670ISF**

**AREA (Square Metres): 84865.658**

Report: RPTC_OT_DEV0122

Run On: 15 Jun 2018 at: 08:25:05

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 1998 | 047410017 | Y | N |

**Activity ID:** 6462 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :** 4355

**Related PINS:** 047410017

**Name:** HYDRO OTTAWA LIMITED

**Address:** 3025 ALBION ROAD NORTH, OTTAWA

**Facility Type:** Electric Power Systems Industry

**Comments 1:**

**Comments 2:**

**Generator Number:** ON0456601

**Storage Tanks:** 2 UST - gasoline

**HL References 1:** M 1970-1997, MOEE PCB Inventory-1995; FIP1957-625-62503,vol 6, 1922-DMD-TM-Ottawa, Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed. PID1994

**HL References 2:**

**HL References 3:** 2000 PID

| NAICS | SIC |
|---|---|
| 221119 | 491 |
| 493190 | 479 |
| 221112 | 0 |
| 221121 | 0 |
| 493120 | 479 |
| 221112 | 491 |
| 415190 | 551 |
| 221113 | 0 |
| 415120 | 551 |
| 415110 | 551 |
| 221111 | 491 |
| 221119 | 0 |
| 221121 | 491 |
| 221122 | 491 |
| 493130 | 479 |
| 811111 | 551 |
| 221111 | 0 |
| 221113 | 491 |
| 221122 | 0 |
| 811310 | 551 |

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 1998 | 047410017 | Y | N |

| Company Name | Year of Operation |
|---|---|
| Ottawa Hydro Electric Commission | c. 1967-1995 |
| HYDRO OTTAWA LIMITED | c. 2001 |
| HYDRO OTTAWA LIMITED | c. 2003 |
| HYDRO OTTAWA LIMITED | c. 2000 |
| HYDRO OTTAWA LIMITED | c. 2005 |

**CITY OF OTTAWA**

**HLUI ID: __679GDI**

**AREA (Square Metres): 26361.460**

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 1998 | 047410016 | Y | Y |

**Activity ID:** 2812 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :** 3605

**Related PINS:** 047410016

**Name:** CANADIAN PACIFIC RAILWAY MECHANIC DEPARTMENT

**Address:** 2985 ALBION ROAD NORTH, OTTAWA

**Facility Type:** Railway Transport and Related Service Industries

**Comments 1:** Also listed at 3111 Albion

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:** M.1970, M.1980, M.1990, M.1997

**HL References 2:**

**HL References 3:**

| NAICS | SIC |
|---|---|
| 488210 | 453 |
| 482114 | 453 |
| 482113 | 453 |
| 483116 | 453 |
| 482112 | 453 |

| Company Name | Year of Operation |
|---|---|
| Canadian Pacific Railway Mechanic Department | c. 1970 |

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 1998 | 047410016 | Y | Y |

**Activity ID:** 6462 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :** 4355

**Related PINS:** 047410017

**Name:** HYDRO OTTAWA LIMITED

**Address:** 3025 ALBION ROAD NORTH, OTTAWA

**Facility Type:** Electric Power Systems Industry

**Comments 1:**

**Comments 2:**

**Generator Number:** ON0456601

**Storage Tanks:** 2 UST - gasoline

**HL References 1:** M 1970-1997, MOEE PCB Inventory-1995; FIP1957-625-62503,vol 6, 1922-DMD-TM-Ottawa, Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed. PID1994

**HL References 2:**

**HL References 3:** 2000 PID

| NAICS | SIC |
|---|---|
| 221119 | 491 |
| 493190 | 479 |
| 221112 | 0 |
| 221121 | 0 |
| 493120 | 479 |
| 221112 | 491 |
| 415190 | 551 |
| 221113 | 0 |
| 415120 | 551 |
| 415110 | 551 |
| 221111 | 491 |
| 221119 | 0 |
| 221121 | 491 |
| 221122 | 491 |
| 493130 | 479 |
| 811111 | 551 |
| 221111 | 0 |
| 221113 | 491 |
| 221122 | 0 |
| 811310 | 551 |

| Company Name | Year of Operation |
|---|---|
| Ottawa Hydro Electric Commission | c. 1967-1995 |
| HYDRO OTTAWA LIMITED | c. 2001 |
| HYDRO OTTAWA LIMITED | c. 2003 |
| HYDRO OTTAWA LIMITED | c. 2000 |
| HYDRO OTTAWA LIMITED | c. 2005 |

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 1998 | 047410016 | Y | Y |

**CITY OF OTTAWA**

**HLUI ID: __670IUD**

**AREA (Square Metres): 235151.182**

Report: RPTC_OT_DEV0122

Run On: 15 Jun 2018 at: 08:32:12

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 1998 | 047410064 | Y | N |

**Activity ID:** 6462 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :** 4355

**Related PINS:** 047410017

**Name:** HYDRO OTTAWA LIMITED

**Address:** 3025 ALBION ROAD NORTH, OTTAWA

**Facility Type:** Electric Power Systems Industry

**Comments 1:**

**Comments 2:**

**Generator Number:** ON0456601

**Storage Tanks:** 2 UST - gasoline

**HL References 1:** M 1970-1997, MOEE PCB Inventory-1995; FIP1957-625-62503,vol 6, 1922-DMD-TM-Ottawa, Sheet #14, 1948-DND-ASE-NTS-31G/5, 1967-EMR-SMB-NTS-31G/5-7th ed., 1985-EMR-SMB-NTS-31G/5-11th ed. PID1994

**HL References 2:**

**HL References 3:** 2000 PID

| NAICS | SIC |
|---|---|
| 221119 | 491 |
| 493190 | 479 |
| 221112 | 0 |
| 221121 | 0 |
| 493120 | 479 |
| 221112 | 491 |
| 415190 | 551 |
| 221113 | 0 |
| 415120 | 551 |
| 415110 | 551 |
| 221111 | 491 |
| 221119 | 0 |
| 221121 | 491 |
| 221122 | 491 |
| 493130 | 479 |
| 811111 | 551 |
| 221111 | 0 |
| 221113 | 491 |
| 221122 | 0 |
| 811310 | 551 |

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 1998 | 047410064 | Y | N |

| Company Name | Year of Operation |
|---|---|
| Ottawa Hydro Electric Commission | c. 1967-1995 |
| HYDRO OTTAWA LIMITED | c. 2001 |
| HYDRO OTTAWA LIMITED | c. 2003 |
| HYDRO OTTAWA LIMITED | c. 2000 |
| HYDRO OTTAWA LIMITED | c. 2005 |

**CITY OF OTTAWA**

**HLUI ID: __679BP4**

**AREA (Square Metres): 12071.069**

Report: RPTC_OT_DEV0122

Run On: 15 Jun 2018 at: 08:35:06

| Study Year | PIN | Multi-NAIC | Multiple Activities |
|---|---|---|---|
| 2005 | 153910000 | Y | N |

**Activity ID:** 14838 **Multiple PINS:** N

**PIN Certainty:** 1 **Previous Activity ID(s) :**

**Related PINS:** 153910000

**Name:** WINNIE CLEANING SVC

**Address:** 79 BANNERHILL PRIVATE,

**Facility Type:** Service Industries Incidental to Air Transport

**Comments 1:**

**Comments 2:**

**Generator Number:**

**Storage Tanks:**

**HL References 1:**

**HL References 2:**

**HL References 3:** 2005 Select Phone

| NAICS | SIC |
|---|---|
| 561799 | 0 |
| 561722 | 0 |

| Company Name | Year of Operation |
|---|---|
| WINNIE CLEANING SVC | c. 2005 |

# Appendix G: Other Government Records and Site Operating Records

## Mark McCalla

**To:** Kathy Radisch
**Subject:** RE: File Search - 3025 Albion Road North, Ottawa, Ontario - Record Fuels

**From:** Public Information Services <publicinformationservices@tssa.org>
**Sent:** Wednesday, September 26, 2018 12:19 PM
**To:** Kathy Radisch <kathy.radisch@exp.com>
**Subject:** RE: File Search - 3025 Albion Road North, Ottawa, Ontario - Record Fuels

Hello,

I have searched the below noted address (addresses) and I have located the following record:

| Inst Number | Context | Attribute 1 | Attribute 2 | Address | City | Province | Postal Code | Inventory Item Id SUM | Inststatusname | Ownername | Segment1 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 9275493 | FS Facility | - | - | 3025 ALBION RD | OTTAWA | ON | K1G 3S4 | 5030 | Active | OTTAWA HYDRO ATT: DOUG HYDE | FS PRIVATE FUEL OUTLET - SELF SERVE |
| 64557909 | FS Facility | - | - | 3025 ALBION RD N | OTTAWA | ON | K1G 3S4 | 207679 | Active | MOOSE CREEK ENERGY LP | FS LANDFILL SITE |
| 10899385 | FS Liquid Fuel Tank | Gasoline | - | 3025 ALBION RD | OTTAWA | ON | K1G 3S4 | 6932 | Active | OTTAWA HYDRO ATT: DOUG HYDE | FS LIQUID FUEL TANK |

Effective November 1, 2017 TSSA requires that any requests for the release of public information, must complete the release for public information form. The release for public information form can be found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid_=392. Please complete the form (1 address per form) and email the completed form to publicinformationservices@tssa.org or through mail along with a fee of $56.50 (including HST) per location. The fee is payable with credit card (Visa or MasterCard) or with a Cheque made payable to TSSA.

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

Thank you,

Roxana

---

**From:** Kathy Radisch <kathy.radisch@exp.com>
**Sent:** September 25, 2018 2:47 PM

**To:** Public Information Services <publicinformationservices@tssa.org>
**Subject:** File Search - 3025 Albion Road North, Ottawa, Ontario

Good Afternoon,

Would you kindly search your files for 3025 Albion Road North, Ottawa, Ontario?  We are looking for any environmental concerns.

Thank you,

**Kathy Radisch**
EXP | Sr. Administrative Assistant
t : +1.613.688.1899, 3296 | e : kathy.radisch@exp.com
2650 Queensview Drive
Suite 100
Ottawa, ON  K2B 8H6
CANADA

le3660

Ontario

Ministry of the Environment | Ministère de l'Environnement

*CERTIFICATE OF APPROVAL*
*AIR*
*NUMBER 1339-6G8QJ8*
*Issue Date: May 26, 2006*

Hydro Ottawa Limited
3025 Albion Road North
Ottawa, Ontario
K1G 3S4

Site Location: 3025 Albion Road North, Ottawa, Ontario.

*You have applied in accordance with Section 9 of the Environmental Protection Act for approval of:*

- three (3) meter shop fumehoods, each exhausting into the atmosphere through a stack having an exit diameter of 0.15 metre, extending 1.0 metre above the roof and 14.3 metres above grade;
- one (1) blacksmith shop fumehood, exhausting into the atmosphere through a stack having an exit diameter of 0.3 metre, extending 5.0 metres above the roof and 10.5 metres above grade;
- one (1) tool crib shop fumehood, exhausting into the atmosphere through a stack having an exit diameter of 0.15 metre, extending 1.0 metre above the roof and 6.5 metres above grade;
- one (1) electric warming box, exhausting into the atmosphere through a stack having an exit diameter of 0.38 metre, extending 5.0 metres above the roof and 10.5 metres above grade;
- one (1) diesel storage tank having a capacity of 400 litres and one (1) gasoline storage tank having a capacity of 25,000 litres,
- one (1) emergency diesel-fired generator, rated at 1540 kilowatts, exhausting into the atmosphere through a stack having an exit diameter of 0.11 metre, extending 2.0 metres above the roof and 7.5 metres above grade;
- natural gas fired combustion equipment for comfort heating, having a total heat input of 5,523,000 kilojoules per hour;

all in accordance with the application for a Certificate of Approval (Air) and all supporting information dated February 10, 2005, signed by N. Driscoll.

*For the purpose of this Certificate of Approval and the terms and conditions specified below, the following definitions apply:*

1. "Act" means the Environmental Protection Act;

2. "Certificate" means this Certificate of Approval issued in accordance with the Act;

3. "Company" means Hydro Ottawa Limited;

4. "Equipment" means the equipment described in the Company's application, this Certificate and in the supporting documentation referred to herein, to the extent approved by this Certificate;

5. "Facility" means the entire operation located on the property where the Equipment is located;

6. "Manual" means a document or a set of documents that provide written instructions to staff of the Company;

7. "Ministry" means the Ontario Ministry of the Environment.

*You are hereby notified that this approval is issued to you subject to the terms and conditions outlined belo*

**TERMS AND CONDITIONS**

1. The Company shall ensure that the Facility is properly operated and maintained at all times. The Company shall:

   (1) prepare, not later than three (3) months after the date of this Certificate, and update, as necessary, a Manual outlining the operating procedures and a maintenance program for the Equipment, including:

      (a) routine operating and maintenance procedures in accordance with good engineering practices and as recommended by the equipment suppliers;

      (b) emergency procedures;

      (c) procedures for any record keeping activities relating to operation and maintenance of the Equipment;

      (d) all appropriate measures to minimize odour, noise and dust emissions from all potential sources from the Facility;

   (2) implement the recommendations of the operating and maintenance Manual; and

   (3) retain, for a minimum of two (2) years from the date of their creation, all records on the maintenance, repair and inspection of the Equipment, and make these records available for review by staff of the Ministry upon request.

2. The Company shall ensure that the noise emissions from the Facility comply with the limits set in Publication NPC-205.

3. The Company shall restrict periodic testing of the standby diesel generator-set to the daytime hours from 7am to 7pm.

*The reasons for the imposition of these terms and conditions are as follows:*

1. Condition No. 1 is included to emphasize that the Equipment must be maintained and operated according to a procedure that will result in compliance with the Act, the regulations and this Certificate.

2. Condition No. 2 is included to provide minimum performance requirements considered necessary to prevent an adverse effect resulting from the operation of the Facility.

3. Condition No. 3 is included to ensure that the proposed standby operation, excluding emergency situations, is not extended beyond the specified hours to prevent an adverse effect resulting from the operation of the Equipment.

*In accordance with Section 139 of the Environmental Protection Act, R.S.O. 1990, Chapter E-19, as amended, you may by written Notice served upon me, the Environmental Review Tribunal and in accordance with Section 47 of the Environmental Bill of Rights, S.O. 1993, Chapter 28, the Environmental Commissioner, within 15 days after receipt of this Notice, require a hearing by the Tribunal. The Environmental Commissioner will place notice of your appeal on the Environmental Registry. Section 142 of the Environmental Protection Act, provides that the Notice requiring the hearing shall state:*

1. The portions of the approval or each term or condition in the approval in respect of which the hearing is required, and;
2. The grounds on which you intend to rely at the hearing in relation to each portion appealed.

*The Notice should also include:*

3. The name of the appellant;
4. The address of the appellant;
5. The Certificate of Approval number;
6. The date of the Certificate of Approval;
7. The name of the Director;
8. The municipality within which the works are located;

*And the Notice should be signed and dated by the appellant.*

*This Notice must be served upon:*

The Secretary*
Environmental Review Tribunal
2300 Yonge St., 12th Floor
P.O. Box 2382
Toronto, Ontario
M4P 1E4

AND

The Environmental Commissioner
1075 Bay Street, 6th Floor
Suite 605
Toronto, Ontario
M5S 2B1

AND

The Director
Section 9, *Environmental Protection Act*
Ministry of Environment and Energy
2 St. Clair Avenue West, Floor 12A
Toronto, Ontario
M4V 1L5

*** Further information on the Environmental Review Tribunal's requirements for an appeal can be obtained directly from the Tribunal at: Tel: (416) 314-4600, Fax: (416) 314-4506 or www.ert.gov.on.ca**

*This instrument is subject to Section 38 of the Environmental Bill of Rights, that allows residents of Ontario to seek leave to appeal the decision on this instrument. Residents of Ontario may seek leave to appeal within 15 days from the date this decision is placed on the Environmental Registry. By accessing the Environmental Registry at www.ene.gov.on.ca, you can determine when the leave to appeal period ends.*

*The above noted works are approved under Section 9 of the Environmental Protection Act.*

DATED AT TORONTO this 26th day of May, 2006

THIS CERTIFICATE WAS MAILED
ON June 6, 2006
JC
(Signed)

Victor Low, P.Eng.
Director
Section 9, *Environmental Protection Act*

QN/
c: District Manager, MOE Ottawa
Nicole Driscoll, Jacques Whitford Limited ✓

Jacques Whitford
JUN 0 8 2006
RECEIVED

# Appendix H: Aerial Photographs


X:\DRAWINGS\246000\246000\246040\246047A\PHASE I ESA\AUG 27 2018\OTT-00246047-A0.dwg

EXP Services Inc.
t: +1.905.793.9800 | f: +1.905.793.0641
1595 Clark Boulevard
Brampton, ON L6T 4V1
Canada
www.exp.com

• BUILDINGS • EARTH & ENVIRONMENT • ENERGY • INDUSTRIAL • INFRASTRUCTURE • SUSTAINABILITY •

LEGEND:

APPROXIMATE SITE BOUNDARY

SCALE

40 20 0 40 80 120 160 200 m

TITLE AND LOCATION:

# 1954 AERIAL PHOTOGRAPH

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: H-1 |


EXP Services Inc.
t: +1.905.793.9800 | f: +1.905.793.0641
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Brampton, ON L6T 4V1
Canada

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LEGEND:

APPROXIMATE SITE BOUNDARY

SCALE

40 20 0 40 80 120 160 200 m

TITLE AND LOCATION:

# 1965 AERIAL PHOTOGRAPH

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| PROJECT NO.: | DWN.: |
|---|---|
| OTT-00246047-A0 | DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: H-2 |

X:\DRAWINGS\246000\246000\246040\246047A\PHASE I ESA\AUG 27 2018\OTT-00246047-A0.dwg


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LEGEND:

APPROXIMATE SITE BOUNDARY

SCALE

40 20 0 40 80 120 160 200 m

TITLE AND LOCATION:

# 1975 AERIAL PHOTOGRAPH

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| PROJECT NO.: | DWN.: |
|---|---|
| OTT-00246047-A0 | DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: H-3 |

X:\DRAWINGS\246000\246000\246040\246047A\PHASE I ESA\AUG 27 2018\OTT-00246047-A0.dwg


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LEGEND:

APPROXIMATE SITE BOUNDARY

SCALE

40 20 0 40 80 120 160 200 m

TITLE AND LOCATION:

# 1991 AERIAL PHOTOGRAPH

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: H-4 |

X:\DRAWINGS\246000\246000\246040\246047A\PHASE I ESA\AUG 27 2018\OTT-00246047-A0.dwg


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Canada

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LEGEND:

APPROXIMATE SITE BOUNDARY

SCALE

40 20 0 40 80 120 160 200 m

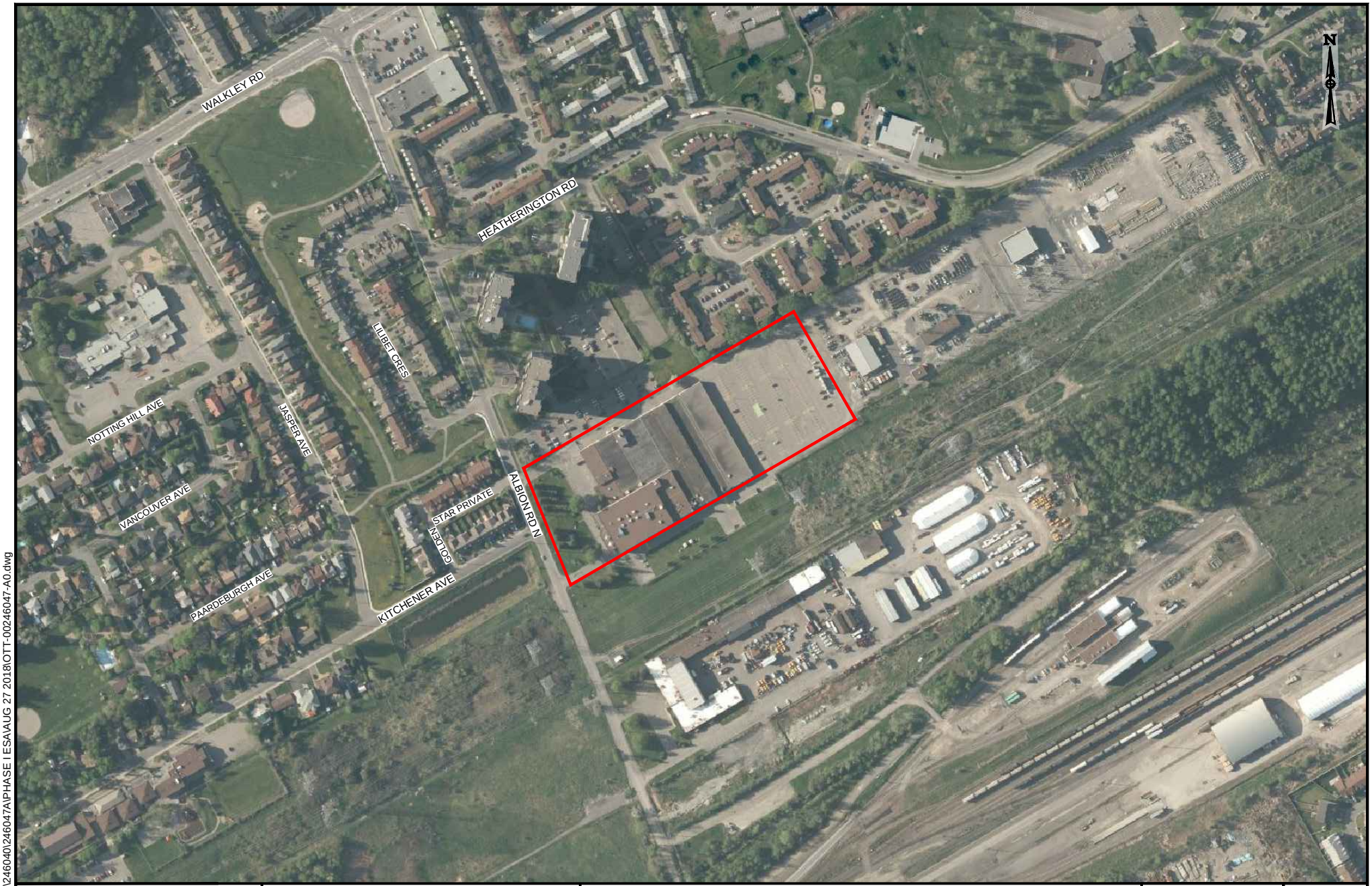
TITLE AND LOCATION:

# 2002 AERIAL PHOTOGRAPH

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: H-5 |

X:\DRAWINGS\246000\246000\246040\246047A\PHASE I ESA\AUG 27 2018\OTT-00246047-A0.dwg

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LEGEND:

APPROXIMATE SITE BOUNDARY

SCALE

40 20 0 40 80 120 160 200 m

TITLE AND LOCATION:

# 2017 AERIAL PHOTOGRAPH

PHASE ONE ESA
3025 ALBION ROAD NORTH
OTTAWA, ONTARIO

| | |
|---|---|
| PROJECT NO.: OTT-00246047-A0 | DWN.: DP |
| SCALE: AS NOTED | CK: MM |
| DATE: SEPTEMBER 2018 | FIG. NO.: H-6 |

X:\DRAWINGS\246000\246000\246040\246047A\PHASE I ESA\AUG 27 2018\OTT-00246047-A0.dwg

# Appendix I: Site Photographs

**Photograph 1**

The former service garage area (now storage)


**Photograph 2**

Waste oil ASTs in the containment area beside the loading dock

**Photograph 3**

New oil storage in the containment area near the loading dock


**Photograph 4**

Transformer storage in the central workshop area


**Photograph 5**

AST associated with the emergency generator

**Photograph 6**

Interior parking areas

**Photograph 7**

Current PCB storage sheds, east of the Site

**Photograph 8**

Former PCB storage in the brown building, east of Site


**Photograph 9**

Hydraulic lift in loading dock


**Photograph 10**

Grit sump in southeast part of building


**Photograph 11**

Diesel AST located 50 m east of Site

**Photograph 12**

Area of former gasoline AST in northwest part of Site

**Photograph 13**

Exterior of former garage area in west part of building

**Photograph 14**

View of commercial property, 80 m south of the Site

**Photograph 15**

View of hydro corridor along south border of Site

**Photograph 16**

View of residential property that borders the Site to the north