

CARLETON UNIVERSITY

PHASE ONE ENVIRONMENTAL SITE ASSESSMENT, PROPOSED STUDENT RESIDENCE, OTTAWA, ONTARIO

NOVEMBER 5, 2019





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CARLETON UNIVERSITY

PROJECT NO.: 191-12948-00
DATE: NOVEMBER 2019

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November 5, 2019

CARLETON UNIVERSITY
1125 Colonel By Drive
Ottawa, Ontario

Attention: Dawn Blackman

Dear Sir:

Subject: Phase One Environmental Site Assessment, Proposed Student Residence, Ottawa, Ontario

WSP Canada Inc. (WSP) is pleased to provide Carleton University with our Phase One Environmental Site Assessment (ESA) report for the proposed student residence within the Carleton University campus in Ottawa, Ontario

We trust that this information is sufficient for your current needs. If you have any questions or require further information, please contact us.

Yours sincerely,

AM

WSP ref.: 191-12948-00



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EXECUTIVE SUMMARY

WSP Canada Inc. (WSP) was retained by Carleton University to conduct a Phase One Environmental Site Assessment (ESA) for the property located within their Ottawa campus located at 1125 Colonel By Drive. The Subject Site is a parcel of land located west of west Campus Avenue, and bordered to the south by the Stormont Dundas residence, and to the west by the Leeds residence.

We understand that Carleton University is planning to develop the Subject Site with a multi-storey student residence. Based on information available, the Subject Site was first developed as early as 1928 with a farmstead. The property was filled with imported material in the 1960's. Later, a road and parking area were constructed on the site, with a landscaped area located near the centre of the property.

Information obtained as part of the Phase One ESA records search, site reconnaissance and interview process, include the following:

- The Subject Site is used in part as a surface parking lot, roadway and landscaped area. No buildings are present on the property.
- The surface topography of the Subject Site slopes to the southwest, towards a stormwater grate and catch basins within the smaller parking area. The topography of the Phase One study area generally slopes to the south, along Campus Avenue.
- Historical aerial photographs and records showed a railway line to the east of the site as early as the 1920's until present and widespread filling activities in the 1960's. These two activities are considered to have created areas of potential environmental concern to the Subject Site.
- Previous subsurface investigations on and in the vicinity of the Subject Site have identified fill material extending to depths up to 6 m below ground surface. Fill material consisted of silty sand and clay, with traces of wood, concrete, asphalt, brick and slag. Analytical testing of soil and groundwater within nearby areas of fill have identified analytical parameters at concentrations exceeding applicable site standards established by the Ontario Ministry of Environment, Conservation and Parks.
- A site visit was completed on October 4, 2019. At the time of the visit, The Subject Site was being used as a parking lot. A roadway, Campus Avenue, was located on the east side of the property, and a landscaped area with mature trees was located at the centre of the site. No signs of monitoring wells were observed on the property. A rail line (light rail transit) was observed to the east.

Based on a review of historical sources, previous subsurface investigations and site reconnaissance, it is WSP's opinion that potentially contaminating activities are present on the Subject Site which have the potential to adversely impact the site soils and groundwater. As such, **it is recommended that a Phase Two Environmental Site Assessment be conducted at the Subject Site.** It is understood that a geotechnical investigation will be carried on the property; as such, it is recommended that the Phase Two investigation be conducted concurrently with the geotechnical works.

1 INTRODUCTION

WSP Canada Inc. (WSP) was retained by Carleton University to conduct a Phase One Environmental Site Assessment (ESA) for the property located west of the intersection of Campus Avenue and University Drive, within the Carleton University campus at 1125 Colonel By Drive in Ottawa, Ontario (herein referred to as the “Subject Site”). The location of the Subject Site is shown on Figure 1.

We understand that Carleton University is considering development of the site as a student accommodation building. A change in land use is not anticipated, and as such the filing of a record of site condition (RSC) with the Ministry of the Environment Conservation and Parks (MECP) will not be required.

1.1 SUBJECT SITE INFORMATION

The Subject Site is an irregular parcel of land located immediately west of the intersection of Campus Avenue and University Drive, and is bordered to the south by the Stormont/Dundas House and to the west by the Leeds House.

The Subject Site consists of landscaped areas, roads and parking areas. The site is bordered by residential/institutional lands, consisting of residences to the south and to the west, with parking areas to the north and a roadway to the east, followed by railway line. The Subject Site encompasses an area of approximately 1.3 hectares. The NAD 83, Zone 18 UTM coordinates for the centroid of the Subject Site are 445413 E, 5026325 N. The site boundary of the Subject Site is shown on Figures 1 and 2.

Table 1-1 Subject Site Information

CRITERIA	SUBJECT SITE INFORMATION
Municipal Address	Part of 1125 Colonel By Drive, Ottawa, Ontario
Current Property Owner	Carleton University
Phase One Representative	Ms. Dawn Blackman
Phase One Client Representative	Senior Project Manager, Project Planning, Design and Construction 1125 Colonel By Drive Ottawa, ON Email: dawnblackman@cunet.carleton.ca
Property Identification Numbers (PINs)	Part of 04087-0065 (LT) Part of 04087-0068 (LT)
Legal Descriptions	The Subject Site falls within a legally defined property known as: Nepean Concession B, Rideau Front, Part of Lots L, M, and N, Registered Plan 4R196 Part 4. The boundaries of the Subject Site have not been defined by a legal survey.

1.2 CURRENT AND PROPOSED FUTURE USES

The Subject Site is currently occupied by landscaped areas, roads and parking areas, and can be considered residential/institutional in use based on the users of the municipal property as a whole. We understand that Carleton University is planning to develop the Subject Site with a low-rise student housing building. As the current land use is considered to be residential/institutional, there would be no change in land use requiring an RSC to be filed given the proposed construction of a student residence.

2 SCOPE OF INVESTIGATION

2.1 BACKGROUND

The Phase One ESA was conducted in accordance with the general and specific objectives outlined in O. Reg. 153/04. The general objectives of a Phase One ESA are:

- To develop a preliminary determination of the likelihood of contamination in soil or groundwater at the Subject Site.
- To determine the need for a Phase Two ESA and if necessary, provide the basis for conducting a Phase Two ESA or risk assessment.

The general objectives were met through the evaluation of the information gathered from a records review, interviews, and a site reconnaissance. Specific objectives for these components and the tasks completed to achieve these objectives are described below.

2.2 SPECIFIC TASKS

2.2.1 RECORDS REVIEW

The records review was conducted to obtain and review records that relate to the Subject Site and the surrounding lands within a 250 m radius (i.e., the Phase One Study Area) to identify current and past uses and activities that may have contributed to contamination of the soil and groundwater at the Subject Site. The scope of work for the records review included the following tasks:

- Review of historical environmental reports to identify current and past uses of the Subject Site and land uses within the Phase One Study Area.
- Review of historical aerial photographs available through the National Air Photo Library and Ottawa's on-line mapping service GeoOttawa. The aerial photographs were used to assist in the determination of the first developed use for the Subject Site, and to identify past uses and potentially contaminating activities (PCAs) at the Subject Site and surrounding lands that may result in areas of potential environmental concern (APECs).
- Review of topographic, geologic, and physiographic maps for the Subject Site. These sources were reviewed to obtain information regarding the stratigraphy of the overburden and the depth and type of bedrock. This data was used to develop the Phase One Site Conceptual Model (CSM) and assess the fate and transport of possible contaminants in soil and groundwater.
- Review of available information from the MECP through the Freedom of Information and Protection of Privacy Act. These sources can provide information regarding the presence of fuel storage tanks, approval, permits, Certificates of Approval, MECP administrative orders (such as control orders, stop orders, remedial orders), and reports submitted to the MECP.
- Review of database information from EcoLog Environmental Risk Information Services Ltd. (ERIS). The comprehensive databases provide information with respect to above and underground storage tanks, waste disposal sites, polychlorinated biphenyl (PCB) storage information, water well inventories, compliance, convictions and spills, incidents recorded in the National Pollutant Release Inventory, the Inventory of Coal Gasification Plants, notices and instruments including RSCs, and landfill information.
- Review of city directories provided in the previous report by SPL, land title information through Domsons Title Search Inc., and fire insurance plans (FIPs) through ERIS to confirm the site development history. This information was used to determine the first developed use and assess the first historical ownership/occupants at the Subject Site, the historical presence of underground storage tanks, potential industrial activities and site development.

2.2.2 INTERVIEWS

The objectives of the interviews under O. Reg. 153/04 are to assist in the identification of PCAs that may have led to APECs at the Subject Site.

The Qualified Person (QP_{ESA}) consulted Ms. Dawn Blackman, senior project manager with Carleton University and representative of the current property owner, on several events in October 2019.

2.2.3 SITE RECONNAISSANCE

The site reconnaissance was conducted to document current site conditions and determine if APECs are present at the Subject Site. The purpose of the site reconnaissance was:

- To determine if APECs exist through observations about current and past uses and PCAs on, in or under the Subject Site and, as practicable, current and past uses and activities and PCAs in the Phase One Study Area.
- To identify details of potential contaminant pathways on, in or under the Subject Site, APECs, and contaminants of potential concern (COPCs).

To meet the specific site reconnaissance objectives outlined above, the Subject Site was visually assessed to document current conditions and evaluate the potential for environmental impacts to soil and groundwater, and identify any possible preferential pathways such as underground utilities that may affect the fate, transport, and distribution of contaminants. Adjacent properties were assessed from publicly accessible boundaries to evaluate the potential for environmental impacts to the Subject Site. Photographs were taken to support pertinent observations.

3 RECORDS REVIEW

3.1 GENERAL

Below is a summary of the records review that were undertaken by WSP as part of this Phase One ESA.

The records review provides information regarding the physical setting, history of development, and land use in connection with the Subject Site and Phase One Study Area. Information sources are summarized in the following sections.

3.1.1 PHASE ONE STUDY AREA DETERMINATION

The Phase One Study Area was determined to include the Subject Site and properties located in whole or in part within a 250 m radius of the Subject Site. The records review did not identify any properties beyond the 250 m radius that would be dissimilar to those that were captured in this radius. Therefore, it was concluded that the nature and extent of APECs would not change through the consideration of properties beyond this distance.

3.1.2 FIRST DEVELOPED USE DETERMINATION

In O. Reg. 153/04, “first developed use” means the earlier of:

- The first use of the Subject Site in or after 1875 that resulted in the development of a building or structure on the Subject Site.
- The first potentially contaminating use or activity on the Subject Site.

Based on our review of the aerial photographs, a farmstead was present on the southern portion of the Subject Site as early as 1928. This is considered to be the first developed use of the Subject Site. The first potentially contaminating use on the Subject Site was only identified in the 1960’s, when fill was imported to the site.

3.1.3 FIRE INSURANCE PLANS

FIP from 1963 were reviewed as part of this Phase One ESA. No records were available for Subject Site. Fire insurance plans were available for two properties within the study area (residences to the south), however no concerns were noted.

3.1.4 CITY DIRECTORIES

A search of the city directories available for review at the Toronto Reference Library was undertaken to determine the historical occupants of the Subject Site as well as adjoining properties. This search was conducted based on municipal addresses located within the study area. Directories published for the following years were reviewed: 1993/94, 1988/89, 1986, 1984, 1979, 1975, 1970, 1960, 1958, 1955 and 1950. No records of the Subject Site or properties within the phase one study area were found prior to 1958.

The Subject Site was listed as occupied by Carleton University from 1958 to 1994. The remainder of the years searched in the City Directories did not refer specifically to the Subject Site. The risk of an environmental impact on the Subject Site as a result of the historical occupants at the adjacent and neighbouring properties, as well as the historical occupants of the Subject Site, is considered to be moderate to low.

3.1.5 CHAIN OF TITLE

A historical title search for the Subject Site was requested from Domsons Title Search Inc. The Subject Site appears to have been historically split under two former Lots. The lots were acquired by Carleton University in 1952 and in 1970. Prior to Carleton University’s ownership, the lands were owned by the National Capital Commission (in part), by private individuals, and by the Crown. No environmental concerns were noted with respect to past land owners.

3.1.6 PREVIOUS ENVIRONMENTAL REPORTS

SPL Consultants Limited (a former WSP company), conducted a Phase One ESA and Phase Two ESA for a portion of land immediately to the north of the Subject Site, however the north end of the Subject Site overlaps south end of the former study area.

The Phase One ESA, prepared in 2012, indicated that the has been owned by Carleton University since the 1950's, and that the former property consisted of marshland, which had been filled to raise the grade. Fill is expected to be between 5 to 6 meters in thickness. Impacted soil (hydrocarbons, and polycyclic aromatic hydrocarbons) was identified on parts of that property. The SPL report also identified a landfill to the southeast of the Subject Site, with soil impacts identified by others in the past.

SPL later conducted a Phase Two ESA, in 2013, for the same portion of land studied in 2012. SPL advanced 10 boreholes on the site (four of which were instrumented with groundwater monitoring wells). Two boreholes fell within the current Subject Site. Soils analysed from these boreholes did not identify any exceedances of the applicable site condition standards, however fill material was noted to extend to approximately 6 m below surrounding grade. In general, the Phase Two ESA identified fill with traces of wood, brick and slag.

The nearest groundwater monitoring well installed as part of this investigation (located approximately 20 to 25 m north of the current Subject Site) had identified several polycyclic aromatic hydrocarbon parameters above the site standard.

A geotechnical report prepared by Houle Chevrier in 2011 was prepared for the parking lot located immediately north of the Subject Site. The south end of their study area overlaps with the north end of the present Subject Site. One borehole was identified in this overlapped area, and fill material was identified in that borehole. Other boreholes drilled during the Houle Chevrier study identified fill material in all 12 boreholes (located across their subject site), and elevated concentrations of hydrocarbon and polycyclic aromatic hydrocarbon parameters in the fill (at a borehole located north of the Subject Site).

Other reports prepared for areas to the north, and northeast of the Subject Site also identified fill material of poor quality at depths of approximately 6 m below grade. Fill material located along the former and current railway line appeared to be impacted in many places, as evidenced by traces of wood, brick, ash, mortar and coal.

3.2 ENVIRONMENTAL SOURCE INFORMATION

3.2.1 DATABASES

WSP obtained an ERIS Report for the Phase One Study Area. The ERIS database report provides information from federal, provincial and private source databases relating to a defined search area. Each database is divided into records that present information such as company names, addresses, descriptions, status and other pertinent information. Records that fall within a defined 250 m radius of the search area are extracted from the database for review. It is WSP's opinion that records found beyond 250 m from the Subject Site are unlikely to impact the soil and/or groundwater condition at the Subject Site.

A copy of the ERIS report is included in **Appendix C**. A summary of the ERIS search results is shown in Table 3-3. Records as required in accordance to Ontario Regulation (O. Reg.) 153 are summarized in Table 3-4. The search of the ERIS databases complies with the requirements for background documentation identified in O. Reg. 153/04.

Table 3-1 ERIS Search Results

DATABASE	NAME	SUBJECT SITE	WITHIN 250 M OF SUBJECT SITE ¹
ANDR	Anderson's Waste Disposal Sites	0	1
BORE	Borehole	0	13
CA	Certificates of Approval	0	12
CFOT	Commercial Fuel Oil Tanks	0	13
EBR	Environmental Registry	0	1
ECA	Environmental Compliance Approval	0	11
EHS	ERIS Historical Searches	0	6
FST	Fuel Storage Tank	0	3

DATABASE	NAME	SUBJECT SITE	WITHIN 250 M OF SUBJECT SITE ¹
FSTH	Fuel Storage Tank – Historic	0	2
GEN	Ontario Regulation 347 Waste Generators Summary	0	48
GHG	Greenhouse Gas Emissions from Large Facilities	0	1
HINC	TSSA Historic Incidents	0	1
INC	TSSA Incidents	0	3
NPCB	National PCB Inventory	0	2
NPRI	National Pollutant Release Inventory	0	7
OPCB	Inventory of PCB Storage Sites	0	4
SCT	Scott's Manufacturing Directory	0	7
SPL	Ontario Spills	0	11
WDSH	Waste Disposal Sites – MOE 1991 Historical Approval Inventory	0	1
WWIS	Water Well Information System	0	4
	TOTAL	0	130

None of the ERIS search results pertained directly to the Subject Site. The nearest record, located just off-site to the south (presented as 7 m away in the ERIS report), pertained to a water well abandonment record. Other nearby records pertained to certificates of approval, which were not considered to have impacted the Subject Site. Two (2) records pertained to the same former landfill, located between 90 and 125 m east of the site. The former landfill is considered to be a potentially contaminating activity, however based on the separation distance from the subject site, it is not considered to have created an area of potential environmental concern on the subject site. No significant concerns were noted in the ERIS search results.

3.2.2 REGULATORY INFORMATION

The Ontario Technical Standards and Safety Authority (TSSA) was contacted for information pertaining to fuel tanks, spills, and other information. In their response dated October 16, 2019, the TSSA identified 12 records for the Carleton University property (1125 Colonel By Drive). These records include one active private fuel outlet, eight fuel oil tanks, and three liquid fuel tanks.

Based on our knowledge of the Subject Site, there is no indication that these records are representative of the Subject Site. The records are considered to pertain to the Carleton University campus as a whole.

The City of Ottawa Historical Land Use Inventory was not consulted as part of this study. The information provided by other sources reviewed as part of this Phase One ESA is considered to be comprehensive.

3.3 PHYSICAL SETTING SOURCES

3.3.1 AERIAL PHOTOGRAPHS

Aerial photographs from 1928, 1938, 1945, 1950, 1968, 1976, 1986, 1994, 2014, and 2017 were reviewed for this assessment. The aerial photographs for the noted years are included as **Appendix E**. Significant information depicted in these photographs, where possible, are summarized in Table 3-5.

Table 3-2 Aerial Photograph Interpretation

YEAR	OBSERVATIONS
1928	The Subject Site appears to be mainly vacant. Part of the southern end of the Subject Site is occupied by a farmstead, with a building located near the south side of the subject site. Adjacent properties appear to be vacant or agricultural. A railway line is located to the east, and marshland is located beyond that. The Rideau Canal can be seen further west of the site.
1938	No changes appear to have been made to the Subject Site or adjacent properties.
1945	No changes appear to have been made to the Subject Site or adjacent properties, however the photo is limited to the southern boundary of the Subject Site.
1950	No changes appear to have been made to the Subject Site or adjacent properties. Filling appears to have begun to the east, beyond the railway line.
1968	Part of the Subject Site has been developed with a parking lot, but filling activities can also be identified. Filling activities appear to extend to the north of the Subject Site. To the east, a new railway line has been constructed slightly offset to the east from its previous location, and sunken below grade in an open trench. University Drive has been constructed further east, and a new bridge appears to be under construction immediately east of the Subject Site. Further to the south, new university residence buildings have been constructed.
1976	(GeoOttawa) The Subject Site is occupied primarily by surface parking (which extends further north), with some greenspace near the centre of the site. Campus Avenue has been constructed along the east side of the Subject Site. The properties to the west appear to remain undeveloped. To the south, new residence buildings have been constructed.
1986	No significant changes appear to have been made to the Subject Site or adjacent properties.
1994	The Subject Site has been converted from a parking lot to a landscaped, grass-covered area with two footpaths and a small parking area. A new building has been constructed immediately south of the Subject Site. No other changes appear to have been made to adjacent properties.
2014	(GeoOttawa) An excavation can be seen in the northeast corner of the Subject Site. A new building is under construction to the northeast of the Subject Site. No other changes appear to have been made to adjacent properties.
2017	(GeoOttawa) The excavation shown in the 2014 photograph has been filled, and the central area of the Subject Site has returned to a grass-covered landscaped area. The parking garage building to the northeast of the Subject Site has been completed. No other changes were observed.

3.3.2 SITE DESCRIPTION

Topography

Topographic mapping available through the Natural Resources of Canada Website (<http://atlas.nrcan.gc.ca>) was reviewed.

The surface topography of the Phase One Study Area is generally flat, with no significant topographic features. The mapping data shows a railway line to the east of the Subject Site, and several large buildings further to the site (off-site). The Rideau Canal is located to the east, and the Rideau River is located to the west.

Given the Subject Site's location between two water bodies, groundwater flow is inferred to be either in a northwestern or eastern direction (towards the Rideau Canal or the Rideau River). Based on SPL's investigation from 2013, groundwater was found to be flowing in a southeastern direction. It should be noted that local groundwater flow may be influenced underground utilities (i.e., service trenches), building structures and the light railway line, which is excavated within bedrock.

Surficial Geology

Native soil in the Phase One Study Area consists of clay plains (Ontario Geological Survey, 2010). However, previous investigations have identified fill material to depths of approximately 6 m below grade, followed by till.

Bedrock Geology

Bedrock geology within the Phase One Study Area consists of shale of the Billings Formation (Ontario Geological Survey, 2010). Findings of past studies have generally reported the presence of limestone with shale, at depths of approximately 12 or 13 m below grade.

3.3.3 FILL MATERIALS

The subject site is located in an area where significant amounts of fill material have been imported. Fill material has been identified in a borehole located at the north end of the Subject Site, and further north (off-site). Filling on the northern side of the subject site was also observed in the 1968 aerial photo.

3.3.4 WATER BODIES AND AREAS OF NATURAL SIGNIFICANCE.

Based on a review of available information, the closest water body to the Subject Site is the Rideau Canal which is located approximately 170 m to the west of the Subject Site. A wetland is located approximately 70 m to the west of the Subject Site, however it is not considered an areas of natural significance and not a provincially significant wetland.

3.3.5 WELL RECORDS

The well records found for the Subject Site and properties within a 250 m radius are summarized in Section 4.2.1.

3.4 SITE OPERATING RECORDS

In accordance to Paragraphs 14 and 15 of Subsection 3(2) of the Regulation, additional records reviews are required when a Site is an ‘enhanced investigation property’.

The Subject Site is not considered to be an enhanced investigation property, as it has never been used in whole or in part for any of the following:

- Any industrial use.
- As a garage.
- As a bulk liquid dispensing facility, including a gasoline outlet.
- For the operation of dry cleaning equipment.

As such, site operating records were not reviewed.

4 INTERVIEWS

Ms. Dawn Blackman, senior project manager with Carleton University, was interviewed to gain insight into the history and former operations at the Subject Site. A summary of the interview is provided in Table 4-1.

Table 4-1 Details of Interview

REQUIRED INFORMATION	SPECIFICS	
i. Date, place, and method of the interviews and the name of person being interviewed	Date:	October 2019
	Place:	n/a
	Interview method:	Emails correspondences and phone calls
	Interviewee:	Dawn Blackman
ii. Reason why the person was identified as an interview subject	Ms. Blackman is a senior project manager employed by Carleton University.	
iii. Relevant information concerning potentially contaminating activity and areas of potential environmental concern noted by the interviewer.	— Ms. Blackman had indicated that previous investigations had been conducted within part of the Phase One Study Srea, and provided past reports.	
	— Ms. Blackman also provided site plans showing locations of subsurface utilities.	
iv. Reliability	Ms. Blackman provided information pertaining the Subject Site to the best of her knowledge.	

5 SITE RECONNAISSANCE

5.1 GENERAL SITE CONDITIONS

WSP visited the Subject Site on October 8, 2019 between 8:00 AM to 8:30 AM. The Subject Site was assessed in a systematic manner by Mr. Adrian Menyhart by traversing the Subject Site and publicly accessible lands surrounding the Subject Site to record visual and olfactory observations. The weather at the time of the site reconnaissance was sunny, with clouds and the temperature was approximately 15° C.

Selected photographs taken during the site reconnaissance are provided in **Appendix G**. Photographs documenting specific observations are referenced in the text that follows.

5.2 SPECIFIC OBSERVATIONS AT THE SUBJECT SITE

5.2.1 GENERAL DESCRIPTION OF INVESTIGATION

SUBJECT SITE STRUCTURES AND IMPROVEMENTS INCLUDING BELOW-GROUND STRUCTURES

No buildings or structures were observed at the Subject Site.

POTABLE AND NON-POTABLE WATER SOURCES

No water supply wells were observed at the Subject Site. Properties within the Phase One Study Area are serviced by the City of Ottawa municipal water supply system.

UNDERGROUND UTILITIES AND CORRIDORS

Based on a review of available drawings provided by Carleton University, it appears that several utilities (water lines, storm sewer and sanitary sewers) cross the centre of the Subject Site in an east-west direction. Water lines, storm sewers and sanitary sewers also cross the eastern side of the Subject Site in a north-south direction, along Campus Avenue.

Outdoor lighting was noted on the Subject Site, and it is expected that underground electrical services are also present beneath the Subject Site.

WELLS

No monitoring wells were observed on the Subject Site.

SEWAGE WORKS

No sewage or wastewater is generated at the Subject Site, as it is vacant with no buildings or structures. A stormwater grate, and catch basins were also observed on the Subject Site.

GROUND SURFACE

The surface topography at the Subject Site is generally flat (**Photographs 2 and 3**), however a sloped area is located in the centre of the Subject Site, and the east side of the site slopes gently to the south along Campus Avenue.

The ground surface at the Subject Site is covered by grass and mature trees at the centre of the Subject Site, and asphalt roadways and parking areas.

A stormwater drainage grate is present near the centre of the Subject Site, within the grassy area.

RAILWAY LINES AND SPURS

A light railway line (transit) is located immediately east of the Subject Site.

STAINED SOIL, VEGETATION OR PAVEMENT

No areas of stained soil or vegetation were observed at the Subject Site.

STRESSED VEGETATION

No areas of stressed vegetation were observed.

AREAS WHERE FILL AND DEBRIS MATERIALS APPEAR TO HAVE BEEN PLACED OR GRADED

No fill or debris was noted during the site visit.

POTENTIALLY CONTAMINATING ACTIVITY

No potentially contaminating activities were noted during the site visit.

OTHER ISSUES OF POTENTIAL ENVIRONMENTAL CONCERN

There was no evidence of the following items of potential environmental concern at the Subject Site:

- Aboveground or underground storage tanks.
- Pits or lagoons.
- Unidentified substances.
- Hazardous materials.

5.2.2 OBSERVATIONS WITHIN PHASE ONE STUDY AREA

The Phase One Study Area is shown in Figure 1. Adjacent properties were viewed from the Subject Site and publicly accessible boundaries to assess the potential for uses to adversely affect the Subject Site. At the time of the site reconnaissance, the following adjacent properties were observed:

Table 5-1 Phase One Study Area Reconnaissance Observations

IDENTIFIABLE FEATURES	SPECIFIC OBSERVATIONS
Immediately Adjacent Properties	
Adjacent Land Uses	Adjacent land uses at the time of the site reconnaissance are illustrated on Figure 1 and were noted as follows: <u>North</u> : Parking lot. <u>East</u> : Campus Avenue followed by railway line. <u>South</u> : Student residence. <u>West</u> : Student residence
Water Bodies	The Rideau Canal is located approximately 170 m to the west, and a wetland approximately 70 m to the west.

5.2.3 ENHANCED INVESTIGATION PROPERTY

The Subject Site is not considered as an enhanced investigation property.

5.3 WRITTEN DESCRIPTION OF INVESTIGATION

The written description of the investigation and reconnaissance is documented throughout Section 6 with APECs identified and discussed in Section 7 below.

6 REVIEW AND EVALUATION OF INFORMATION

6.1 CURRENT AND PAST USES

A summary of current and past uses for the Phase One Property is provided in Table 6-1.

Table 6-1 Summary of Current and Past Uses

YEAR	NAME OF OWNER	DESCRIPTION OF PROPERTY USE	PROPERTY USE	OTHER OBSERVATIONS FROM AERIAL PHOTOGRAPHS, FIRE INSURANCE PLANS, ETC.
Part of PIN 04087-0065 (LT)				
Lot M				
Prior to 1871	Crown (Lot M)	Vacant, Agricultural	Agricultural or Other Use	None available.
1871 to 1910	Donald Kennedy	Vacant, Agricultural	Agricultural or Other Use	None available.
1910 – 1910	Thomas Mulligan, Mortgage	Vacant, Agricultural	Agricultural or Other Use	None available.
1910 – 1946	Hannah McIntosh	Vacant, Agricultural	Agricultural or Other Use	None available.
1946 – 1952	Duncan MacTavish	Vacant, Agricultural	Agricultural or Other Use	Aerial photo from 1950 shows a vacant field, with a farmstead.
1952 – Present	Carleton University	University campus	Residential/ Institutional	Aerial photo from 1968 shows a partially vacant site, with some importation of fill material along the north, and a paved parking area along the south. Aerial photos from the 1970's, 1980's, 1990's and 2000's show a parking area, roadway along the east, and a grassy landscaped area near the centre.
Lot L				
Prior to 1959	Crown (Lot L)	Vacant, Agricultural	Agricultural or Other Use	None available.
1959 – 1970	National Capital Commission	University campus	Residential/ Institutional	Aerial photo from 1968 shows a partially vacant site, with some importation of fill material along the north, and a paved parking area along the south.
1970 – Present	Carleton University	University campus	Residential/ Institutional	Aerial photos from the 1970's, 1980's, 1990's and 2000's show a parking area, roadway along the east, and a grassy landscaped area near the centre.

6.2 POTENTIALLY CONTAMINATING ACTIVITY

PCAs at the Subject Site and the Phase One Study Area are summarized in Table 6-2. This information, including the number defined in O. Reg. 153/04, Schedule D, Table 2 and their locations are illustrated on the Phase One Conceptual Site Model provided as Figure 3.

Table 6-2 Phase One Study Area Reconnaissance Observations

PCA ID	PCA	DESCRIPTION OF PCA	LOCATION IN RELATION TO THE SUBJECT SITE	DATA SOURCE	PCA RESULTED IN APEC (YES/NO)	RATIONALE
1	30. Fill Material of Unknown Quality	Impacted fill material identified during previous investigations.	On-site	Site reconnaissance, aerial photographs, Interview	YES	Fill material was imported to the Subject Site. Based on previous investigations on adjacent sites, fill closest to the railway line is more likely to be impacted.
2	46. Rail yards, tracks and spurs	Railway line	Off site	Site reconnaissance, aerial photographs and previous reports.	YES	Railway is immediately adjacent to the Subject Site and has the potential to impact the soil at the Subject Site.
3	PCA No. 58 Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of bio soils as soil conditioners	Former landfill	Off site	Aerial photos	NO	Landfill is located downgradient with respect to anticipated groundwater flow direction, and a deep rail line cut separates the two properties.

6.3 AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

Three APECs were identified at the Subject Site. The location of the APECs are summarized in Figure 3 and Table 6-3.

Table 6-3 Summary of Areas of Potential Environmental Concern

AREA OF POTENTIAL ENVIRONMENTAL CONCERN (APEC)	LOCATION OF AREA OF POTENTIAL ENVIRONMENTAL CONCERN ON SUBJECT SITE	POTENTIAL CONTAMINATING ACTIVITY	LOCATION OF POTENTIAL CONTAMINATING ACTIVITY (ONSITE OR OFFSITE)	CONTAMINANTS OF POTENTIAL ENVIRONMENTAL CONCERN	MEDIA POTENTIALLY IMPACTED (GROUNDWATER, SOIL AND/OR SEDIMENT)
APEC 1	East side of Subject Site.	30. Fill Material of Unknown Quality	On-site	Metals, Petroleum Hydrocarbons (PHCs), Volatile Organic Compounds (VOCs), Polycyclic Aromatic Compounds (PAHs)	Soil and Groundwater
APEC 2	East side of Subject Site.	46. Rail yards, tracks and spurs	Off site	Metals, PHCs, PAHs	Soil and Groundwater.

- APEC 1 (Eastern portion of the Subject Site): The importation and storage of fill material of unknown quality from historical commercial operations at the site has the potential to impact soil at the Subject Site;
- APEC 2 (Eastern portion of the Subject Site): A railway line was formerly located at grade from as early as the 1920’s until the 1960’s, when the line was shifted to a trench immediately adjacent to it. The rail lines (both older and newer) are located offsite to the east.

6.4 PHASE ONE CONCEPTUAL SITE MODEL

As part of the Phase One ESA, a Conceptual Site Model (CSM) was developed for the Subject Site.

Based on the historical review and site reconnaissance, WSP concludes that there is a potential for soil and groundwater contamination at the Subject Site. Information presented in this report that contributes to the development of a conceptual site model (CSM) is presented in Figure 3 and summarized as follows:

6.4.1 FIGURES

A Phase One Conceptual Site Model figure for the Subject Site is presented as **Figures 2 and 3**. The figures present the following information for the Subject Site and Phase One Study Area:

- Uses of properties adjacent to the Subject Site.
- A wetland
- Rideau Canal
- Surrounding properties are vacant or used for residential, and institutional purposes.
- Road names in the Phase One Study Area are shown on Figures 2 and 3.
- APECs, as identified in Section 6.3.

It should be noted that:

- No buildings or structures are present at the Subject Site;

6.4.2 POTENTIALLY CONTAMINATING ACTIVITY

PCAs identified within the Phase One Study Area and on the Subject Site are shown on Figure 3 and are discussed in Section 6.2. Those PCAs which were identified as contributing to an APEC on the Subject Site are also shown on Figure 3. Table 6-4 summarises the PCAs that have been determined to contribute to on-site APEC’s; Table 2, following the text, provides this information in the MECP approved table format.

Table 6-4 Summary of PCAs

POTENTIALLY CONTAMINATING ACTIVITY	OBSERVATIONS
PCA 30: Fill Material of Unknown Quality	<p>On-site – Fill material of unknown quality may have been imported to the Subject Site during the historical filling activities observed in the 1940’s. Based on previous studies conducted within the Carleton University campus, fill material of poor quality was found to contain contaminant concentrations in exceedance of applicable site standards. Exceedances were generally noted in soils closer to the former/existing railway line located to the east.</p> <p>The importation of fill material is considered to have created APEC 1, on the subject site.</p>
PCA 46. Rail yards, tracks and spurs	<p>Off-site – A railway is located immediately adjacent to the Subject Site and has the potential to impact the soil and/or groundwater at the Subject Site.</p> <p>The area adjacent to the railway along the western boundary of the Subject Site is identified as APEC 2.</p>
PCA No. 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosoils as soil conditioners	<p>Off-site – Former landfill located to the east/south-east of the subject site. The former landfill is located downgradient from the subject site with respect to the anticipated groundwater flow direction. Additionally, a deep rail line cut separated the two sites. This PCA is not considered to have created an APEC on the subject site.</p>

6.4.3 POTENTIAL ENVIRONMENTAL CONCERNS AND POTENTIAL CONTAMINANTS OF CONCERN

The potential environmental concerns at the Subject Site and their associated potential contaminants of concern are summarized as follows:

Table 6-5 Potential Environmental Concern and Potential Contaminant of Concern

POTENTIALLY CONTAMINATING ACTIVITY	POTENTIAL CONTAMINANTS OF CONCERN
PCA 30: Fill Material of Unknown Quality	Metals, PHC, VOCs, and PAHs
PCA 46. Rail yards, tracks and spurs	Metals, PHCs, and PAHs

VOCs – Volatile Organic Compounds

PHCs - Petroleum Hydrocarbons

PAHs - Polycyclic Aromatic Hydrocarbons

6.4.4 IMPACT OF UNDERGROUND UTILITIES

Underground utility trenches, typically backfilled with permeable granular materials, have the potential to affect contaminant distribution and transport. Utilities servicing the Subject Site (natural gas, water, sewer, and hydro) may be a concern for contaminant transport on the Subject Site. Underground utilities on adjacent properties may also affect local migration of contaminants in the subsurface. It is possible that underground utilities have been installed within the fill layer at the Subject Site.

6.4.5 GEOLOGICAL AND HYDROGEOLOGICAL INFORMATION

The Subject Site is at approximately 65 or 66 masl and is located in an area of generally flat topography. On the Subject Site, the topography slopes to the southwest, towards a stormwater grate.

Based on previous site investigations, notably the Phase Two ESA prepared by SPL in 2013, conducted within the Phase One Study Area, groundwater was found to flow to the southeast, however groundwater flow may also flow in a western direction, towards the Rideau Canal to the west. The depth to the groundwater table is expected to be between 4.0 and 7.5 m below surrounding grade (to the north).

Geological records and previous investigations in the Phase One Study Area indicate that bedrock consists of limestone with shale partings.

6.4.6 UNCERTAINTY AND ABSENCE OF INFORMATION

During the records review, WSP relied on information obtained from municipal, provincial, and independent sources as referenced in this report. Although the information was assessed for consistency, verification of the accuracy or the completeness of this third party information was not completed. The use of reports from multiple sources of information contributes to the reduction in uncertainty in the evaluation of possible environmental concerns at the Subject Site.

WSP made all reasonable effort to obtain reasonably accessible information for this assessment as required by O. Reg. 153/04 Schedule D Table 1: Mandatory Requirements for Phase One ESA Reports. The evaluation provided in this report reflects our best judgment in light of the information available at the time of report preparation.

7 CONCLUSION AND RECOMMENDATIONS

Potentially Contaminating Activities (PCAs) were identified at the Subject Site, and within the Phase One Study Area. These activities, which include importation of fill material of unknown quality, and a railway line (located immediately off-site to the east) are considered to have the potential to create areas of potential environmental concern on the Subject Site. Furthermore, previous investigations on nearby sites have identified analytical exceedances of various chemical parameters within the fill layer located in the Phase One Study Area.

Based on our findings, **it is recommended that a Phase Two ESA be conducted on the Subject Site**, to assess potential impacts to site soils and groundwater, resulting from the potentially contaminating activities identified.

7.1 QUALIFIER

This assignment is limited to a data assessment, site inspection, and preliminary analysis of potential areas of contamination. During this assessment, WSP has relied on information obtained from sources as referenced in this report. Verification of the accuracy or completeness of this third-party information was not completed.

Site characterization was limited to the direct observation of visible and accessible locations. Subsurface investigations, sampling, and laboratory analyses were not completed as part of this assessment.

This Phase One ESA is prepared for Carleton University solely for their exclusive use in the evaluation of the Subject Site located within the Ottawa campus. It is understood that site conditions, environmental or otherwise, are not static and that this report documents site conditions at the time of the assessment.

The conclusions provided in this report reflect our best judgment in light of the information available at the time of report preparation. Any use, which a third party makes of this report, or any reliance on or any decisions to be made based on it, is the responsibility of such third parties. WSP accepts no responsibility for damages, if any, suffered by any third party because of decisions made or actions based on this report. If site conditions are observed to be different from those reported, please contact us.

7.2 QUALIFICATIONS OF THE ASSESSORS

Mr. Adrian Menyhart, P.Eng, QP_{ESA}, is a Project Manager in the Ottawa, Ontario office of WSP Canada Inc. He has experience in conducting Phase One and Two Environmental Site Assessments on numerous residential, commercial, and industrial properties throughout Ontario and Quebec, from the conception stages, sampling programs, and reporting. Adrian has also successfully submitted several Record of Site Condition with the Ontario Ministry of the Environment, Conservation and Parks.

The Phase One ESA was reviewed by The Phase I ESA was reviewed by **Mr. Russell Laird Chown, P.Geo.**, Senior Environmental Consultant, Environmental Management at WSP with 31 years of geoscience experience. He is a Professional Geoscientist in Ontario and a QP_{ESA}. He has 19 years of experience in the assessment and management of contaminated sites on Ontario having conducted investigations at hundreds of contaminated sites, including many with complex, multiple source, multiple contaminant impacts.

7.3 SIGNATURES

This Phase One ESA was conducted under the undersigned QP_{ESA}, in accordance with the requirements of O. Reg. 153/04.

WSP CANADA Inc.

Report prepared by



Adrian Menyhart, P.Eng., QP_{ESA}
Environmental Engineer

Reviewed by

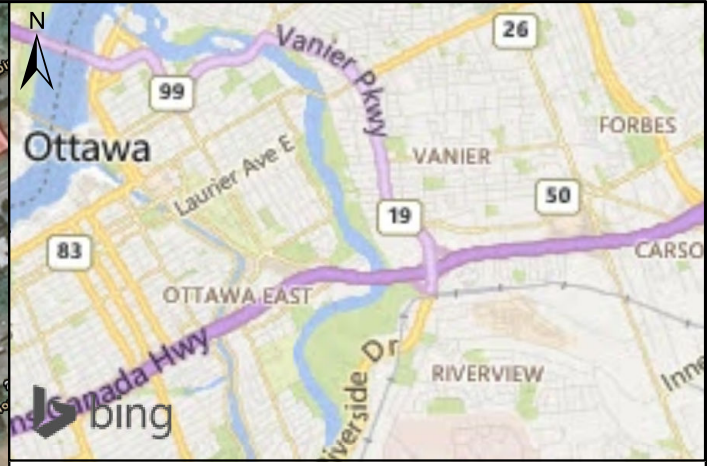
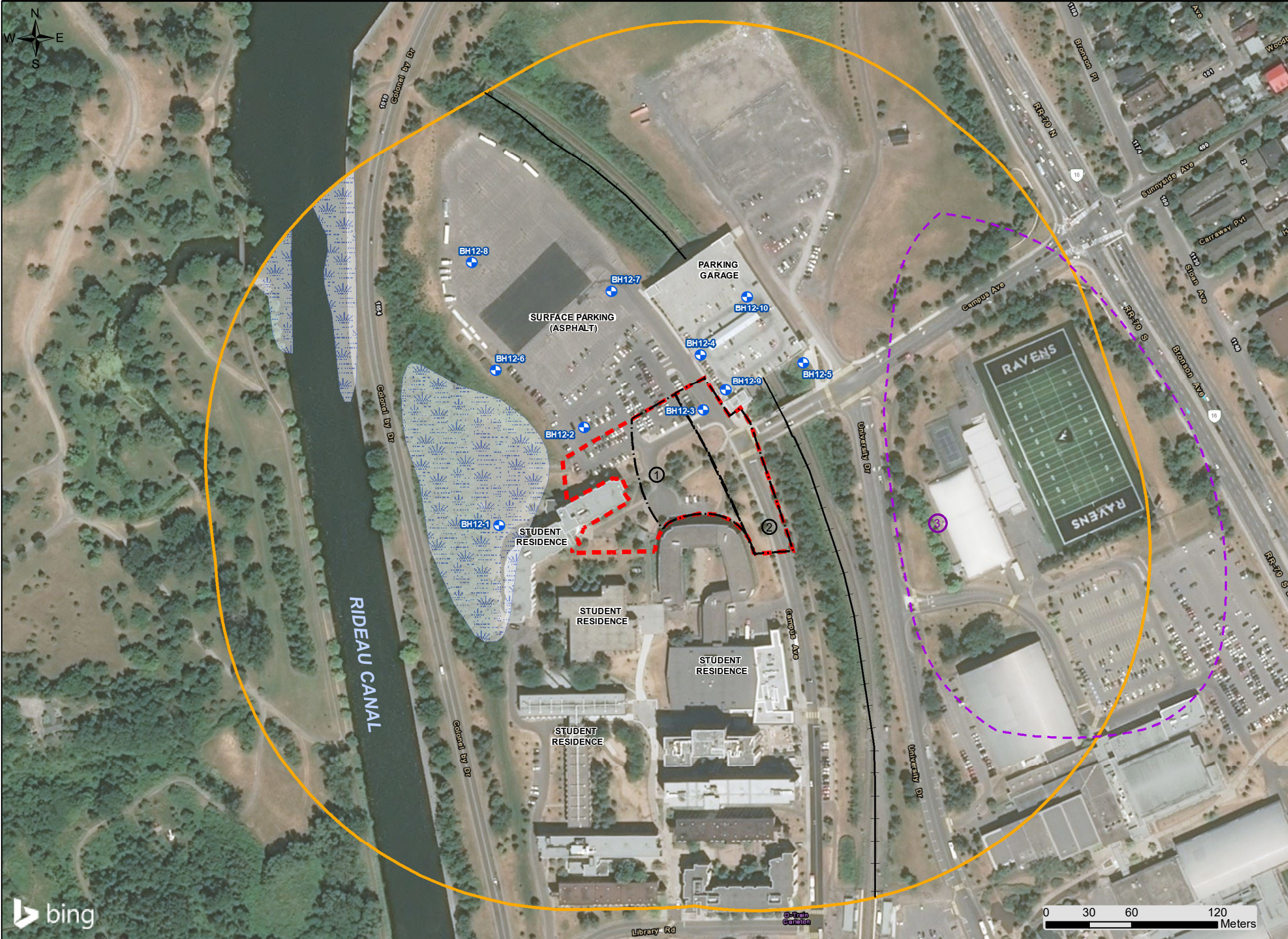


Russell Chown, P.Geo, QP_{ESA}
Senior Hydrogeologist



8 REFERENCES

- National Resources Canada, Earth Observation Data Management System, aerial photographs
- Government of Ontario (Ontario). 2016. Brownfields Environmental Registry. <https://www.ontario.ca/page/brownfields-redevelopment>. Accessed August 23, 2018.
- Ontario Ministry of the Environment, Conservation and Parks (MECP). 1988. Ontario Ministry of the Environment Waste Disposal Site Inventory. May 1988
- Ontario Ministry of the Environment, Conservation and Parks (MECP). 1999. Ontario Inventory of PCB Storage Sites. 1999.
- Ontario Ministry of the Environment, Conservation and Parks (MECP). 2003. Ontario Inventory of PCB Storage Sites. 2003.
- Ontario Ministry of the Environment, Conservation and Parks (MECP). 2010. Access Environment – Certificates of Approval. <http://www.accessenvironment.ene.gov.on.ca/AEWeb/ae/GoSearch.action?search=basic>. Accessed August 23, 2016.
- Ontario Ministry of the Environment, Conservation and Parks (MECP). 2011. Ontario Regulation 153/04, as amended, made under the Environmental Protection Act. July 1, 2011.
- Ontario Ministry of Natural Resources and Forestry (MNRF). 2008. Ontario Base Map Index. <https://www.ontario.ca/data/ontario-base-map-index>. Accessed August 23, 2018.
- Ontario Ministry of Northern Development and Mines (MNDM). 2016. Ontario Geological Society Maps. 2016
- Technical Standards and Safety Authority (TSSA). Public Information Services Underground Storage Tank Request, email. October 16, 2019.
- City of Ottawa, geoOttawa website
- Environmental Risk Information Services (ERIS) 2019. ERIS Database Report, completed October 9, 2019.
- “Draft Phase One Environmental Site Assessment, North Property Development, Carleton University, Ottawa, Ontario”, prepared by SPL Consultants Limited, January 10, 2013
- “Phase Two Environmental Site Assessment, North Property Development, Carleton University, 1125 Colonel By Drive, Ottawa, Ontario”, prepared by SPL Consultants Limited, April 3, 2013



Potentially Contaminating Activities (PCAs) Resulting in Areas of Potential Environmental Concern

- PCA1/APEC1: Importation and storage of fill material of unknown quality (on-site)
*Item 30: Importation of Fill Material of Unknown Quality
- PCA2/APEC2: Railway lines (former and present), located east of the site (off-site)
*Item 46: Rail Yards, Tracks and Spurs

Potentially Contaminating Activities (PCAs) Not Resulting in Areas of Potential Environmental Concern

- PCA3: Former landfill (off-site)
*Item 58: Waste Disposal and Waste Management, including thermal treatment, landfilling and transfer of waste, other than use of biosolids as soil conditioners

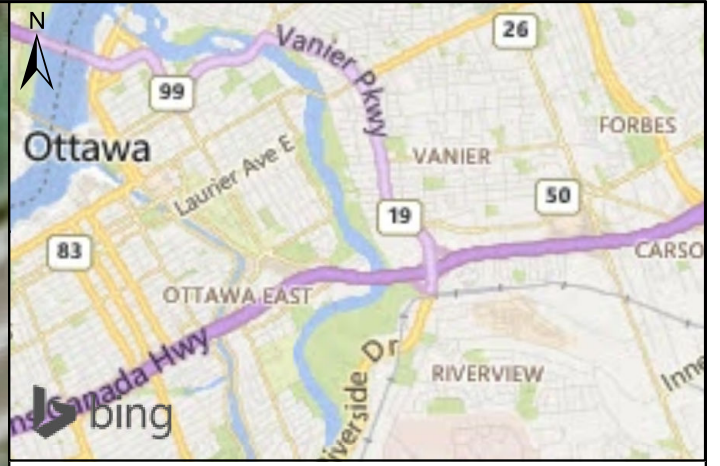
* As defined in Table 2 of Ontario Regulation 153/04: Records of Site Condition

TITLE		
PHASE ONE CONCEPTUAL SITE MODEL		
PROJECT		
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		
CLIENT		
CARLETON UNIVERSITY		

LEGEND

- Site Boundary
- 250 m Study Area
- Unevaluated Wetlands (MNRF)
- Railway
- APEC
- PCA
- Borehole (SPL, 2013)

PROJECT NO	SOURCE	REVIEWED BY
191-12948-00	BING / ESRI MAPS, OTTAWA OPEN DATA, GeoOttawa, LIO, MNRF	AM
	DATE	FIGURE
	NOVEMBER 2019	1



Potentially Contaminating Activities (PCAs) Resulting in Areas of Potential Environmental Concern

- PCA1/APEC1: Importation and storage of fill material of unknown quality (on-site)
*Item 30: Importation of Fill Material of Unknown Quality
- PCA2/APEC2: Railway lines (former and present), located east of the site (off-site)
*Item 46: Rail Yards, Tracks and Spurs

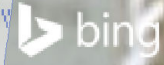
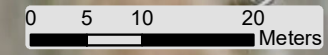
* As defined in Table 2 of Ontario Regulation 153/04: Records of Site Condition

TITLE		
PHASE ONE SITE PLAN		
PROJECT		
PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		
CLIENT		
CARLETON UNIVERSITY		

PROJECT NO 191-12948-00	SOURCE BING / ESRI MAPS, OTTAWA OPEN DATA, GeoOttawa, LIO, MNRF	REVIEWED BY AM
DATE NOVEMBER 2019		FIGURE 2

LEGEND

- Site Boundary
- APEC
- Unevaluated Wetlands (MNRF)
- PCA
- Borehole (SPL, 2013)



APPENDIX

A CHAIN OF TITLE



CHAIN OF TITLE REPORT

Project #: 191-12948-00, Phase 100, subphase 02
 Address: 1125 Colonel By Drive, Ottawa
 Legal Description: Part lots L & M, Con BRF

Searched at: Ottawa
 LRO #: 4

PIN #: Part of PIN 04087-0065(LT)

INSTR #	DOC. TYPE	REG. DATE	PARTY FROM	PARTY TO
	Patent (Lot M, Con BRF)	26 01 1871	Crown	Donald KENNEDY
	Patent (Lot L, Con BRF)	05 05 1959	Crown	National Capital Commission
23586	Deed	13 06 1910	Donald Kennedy	Thomas MULLIGAN
23587	Mortgage	13 0 6 1910	Thomas Mulligan	Hannah MCINTOSH (Mortgagee)
56054	Deed	26 10 1946	Hannah McIntosh (equity of redemption in Mortgage #23587)	Duncan K. MACTAVISH
CR307038	Deed (Present Owner)	29 12 1952	Duncan K. MacTavish	Carleton University (fmly Carleton College)
CR585557	Deed (Present Owner)	30 12 1970	National Capital Commission	Carleton University

LAND
 REGISTRY
 OFFICE #4

04087-0065 (LT)

* CERTIFIED IN ACCORDANCE WITH THE LAND TITLES ACT * SUBJECT TO RESERVATIONS IN CROWN GRANT *

PROPERTY DESCRIPTION: PT LTS L, M & N, CON BRF , AS IN NP58418 , CR307274, CR307038, CR434029, CR585555, CR585557 ; OTTAWA/NEPEAN; SUBJECT TO AN EASEMENT AS IN OC1267784

PROPERTY REMARKS:

ESTATE/QUALIFIER:
 FEE SIMPLE
 LT CONVERSION QUALIFIED

RECENTLY:
 FIRST CONVERSION FROM BOOK NP-5

PIN CREATION DATE:
 1996/10/21

OWNERS' NAMES
 CARLETON UNIVERSITY

CAPACITY SHARE
 BENO

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD
<p>**EFFECTIVE 2000/07/29 THE NOTATION OF THE "BLOCK IMPLEMENTATION DATE" OF 1996/10/21 ON THIS PIN**</p> <p>**WAS REPLACED WITH THE "PIN CREATION DATE" OF 1996/10/21**</p> <p>** PRINTOUT INCLUDES ALL DOCUMENT TYPES AND DELETED INSTRUMENTS SINCE 1996/10/18 **</p> <p>**SUBJECT, ON FIRST REGISTRATION UNDER THE LAND TITLES ACT, TO:</p> <p>** SUBSECTION 44(1) OF THE LAND TITLES ACT, EXCEPT PARAGRAPH 11, PARAGRAPH 14, PROVINCIAL SUCCESSION DUTIES *</p> <p>** AND ESCHEATS OR FORFEITURE TO THE CROWN.</p> <p>** THE RIGHTS OF ANY PERSON WHO WOULD, BUT FOR THE LAND TITLES ACT, BE ENTITLED TO THE LAND OR ANY PART OF</p> <p>** IT THROUGH LENGTH OF ADVERSE POSSESSION, PRESCRIPTION, MISDESCRIPTION OR BOUNDARIES SETTLED BY</p> <p>** CONVENTION.</p> <p>** ANY LEASE TO WHICH THE SUBSECTION 70(2) OF THE REGISTRY ACT APPLIES.</p> <p>**DATE OF CONVERSION TO LAND TITLES: 1996/10/21 **</p>						
NP58418	1947/11/04	TRANSFER	\$1		THE OTTAWA ASSOCIATION FOR THE ADVANCEMENT OF LEARNING	C
CR307038	1952/12/29	TRANSFER	\$53,000		CARLETON COLLEGE	C
CR307274	1953/01/08	TRANSFER	\$1		CARLETON COLLEGE	C
CR434029	1961/10/25	CROWN PATENT			CARLETON UNIVERSITY	C
		REMARKS: SKETCH ATTACHED				
CR439618	1962/02/20	CHARGE		*** COMPLETELY DELETED ***	CENTRAL MORTGAGE AND HOUSING CORPORATION	
		REMARKS: SKETCH ATTACHED				
CR497488	1965/08/05	PLAN MISCELLANEOUS				C
		REMARKS: SKETCH ATTACHED				

NOTE: ADJOINING PROPERTIES SHOULD BE INVESTIGATED TO ASCERTAIN DESCRIPTIVE INCONSISTENCIES, IF ANY, WITH DESCRIPTION REPRESENTED FOR THIS PROPERTY.
 NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
CR506251	1966/02/18	CHARGE		*** COMPLETELY DELETED ***	CENTRAL MORTGAGE AND HOUSING CORPORATION	
CR507683	1966/03/30	PLAN MISCELLANEOUS REMARKS: SKETCH ATTACHED				C
CR512266	1966/07/06	PLAN MISCELLANEOUS REMARKS: SKETCH ATTACHED				C
CR554103	1969/01/24	CHARGE	\$2,671,200		CENTRAL MORTGAGE AND HOUSING CORPORATION	C
CR585555	1970/12/30	TRANSFER REMARKS: SKETCH ATTACHED, ALIGNMENT OF BOUNDARIES	\$2		CARLETON UNIVERSITY	C
CR585557	1970/12/30	TRANSFER REMARKS: SKETCH ATTACHED	\$2		CARLETON UNIVERSITY	C
4R196	1971/01/15	PLAN REFERENCE				C
5R12812	1989/06/23	PLAN REFERENCE				C
5R13231	1989/11/20	PLAN REFERENCE				C
5R13426	1990/02/13	PLAN REFERENCE				C
5R13791	1990/07/05	PLAN REFERENCE				C
5R14378	1991/04/30	PLAN REFERENCE				C
N576335	1991/05/28	CHARGE		*** COMPLETELY DELETED ***	ONTARIO HOUSING CORPORATION	
N576336	1991/05/28	ASSIGNMENT GENERAL REMARKS: N576335		*** COMPLETELY DELETED ***		
5R14592	1991/08/23	PLAN REFERENCE				C
N626838	1992/07/27	AGREEMENT REMARKS: DELETED BY OC1200432 ON MARCH 7TH, 2012. CH		*** COMPLETELY DELETED ***		
4R9024	1993/04/07	PLAN REFERENCE				C

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
LT1350440	2000/12/21	NOTICE		CARLETON UNIVERSITY	THE CORPORATION OF THE CITY OF OTTAWA	C
OC130924	2002/10/16	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
OC147392	2002/12/02	NOTICE		*** COMPLETELY DELETED *** CITY OF OTTAWA	CARLETON UNIVERSITY	
OC301487	2004/02/19	NOTICE		*** COMPLETELY DELETED *** CITY OF OTTAWA	CARLETON UNIVERSITY	
		REMARKS: OC147392				
OC444983	2005/03/23	DISCHARGE INTEREST		*** COMPLETELY DELETED ***	CITY OF OTTAWA	
		REMARKS: RE: OC147392				
OC444984	2005/03/23	DISCHARGE INTEREST		*** COMPLETELY DELETED ***	CITY OF OTTAWA	
		REMARKS: RE: OC301487				
OC488126	2005/07/20	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
OC507596	2005/09/06	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
OC549033	2005/12/23	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	
		REMARKS: CR439618 POSTPONED TO OC488126				
OC549034	2005/12/23	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	
		REMARKS: CR506251 POSTPONED TO OC488126				
OC549035	2005/12/23	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	C
		REMARKS: CR554103 POSTPONED TO OC488126				
OC549047	2005/12/23	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	
		REMARKS: CR439618 POSTPONED TO OC507596				
OC549048	2005/12/23	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	
		REMARKS: CR506251 POSTPONED TO OC507596				

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NOTE: ENSURE THAT YOUR PRINTOUT STATES THE TOTAL NUMBER OF PAGES AND THAT YOU HAVE PICKED THEM ALL UP.

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC549049	2005/12/23	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	C
		REMARKS: CR554103 POSTPONED TO OC507596				
OC591226	2006/05/12	POSTPONEMENT		*** COMPLETELY DELETED *** ONTARIO HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	
		REMARKS: N576335 POSTPONED TO OC507596				
OC591227	2006/05/12	POSTPONEMENT		*** COMPLETELY DELETED *** ONTARIO HOUSING CORPORATION	THE CORPORATION OF THE CITY OF OTTAWA	
		REMARKS: N576335 POSTPONED TO OC488126				
OC770713	2007/09/11	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
OC785039	2007/10/16	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
		REMARKS: CR439618 TO OC770713				
OC785040	2007/10/16	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
		REMARKS: CR506251 TO OC770713				
OC785041	2007/10/16	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C
		REMARKS: CR554103 TO OC770713				
OC801088	2007/11/27	APL CH NAME INST		*** COMPLETELY DELETED *** ONTARIO HOUSING CORPORATION	ONTARIO MORTGAGE AND HOUSING CORPORATION	
		REMARKS: DELETED BY OC1200432, 2011/02/14 PC.				
OC802844	2007/11/30	POSTPONEMENT		*** COMPLETELY DELETED *** ONTARIO MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
		REMARKS: N576335 TO OC770713				
OC984559	2009/06/01	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
OC986624	2009/06/05	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
		REMARKS: CR439618 TO OC984559				
OC986625	2009/06/05	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
		REMARKS: CR506251 TO OC984559				
OC986626	2009/06/05	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C

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 REGISTRY
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04087-0065 (LT)

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/CHKD	
		REMARKS: CR554103 TO OC984559					
OC986627	2009/06/05	POSTPONEMENT		*** COMPLETELY DELETED *** ONTARIO MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA		
		REMARKS: N576335 AND N576336 TO OC984559					
OC1050740	2009/11/13	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C	
OC1058617	2009/12/04	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** VALLATI BROS. PAVING LIMITED			
OC1064494	2009/12/22	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** VALLATI BROS. PAVING LIMITED			
		REMARKS: OC1058617.					
OC1071822	2010/01/20	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA		
		REMARKS: CR439618 POSTPONED TO OC1050740					
OC1071823	2010/01/20	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA		
		REMARKS: CR506251 POSTPONED TO OC1050740					
OC1071824	2010/01/20	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C	
		REMARKS: CR554103 POSTPONED TO OC1050740					
OC1071825	2010/01/20	POSTPONEMENT		*** COMPLETELY DELETED *** ONTARIO MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA		
		REMARKS: N576335, N576336 POSTPONED TO OC1050740					
OC1103898	2010/05/05	NOTICE OF LEASE	\$2	CARLETON UNIVERSITY	BELL MOBILITY INC.	C	
OC1200432	2011/01/20	DISCH OF CHARGE		*** COMPLETELY DELETED *** ONTARIO HOUSING CORPORATION			
		REMARKS: N576335.					
OC1267784	2011/08/09	TRANSFER EASEMENT	\$2	CARLETON UNIVERSITY	ROGERS COMMUNICATIONS INC.	C	
OC1307786	2011/11/21	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** TRUSTEES OF THE IRON WORKERS CENTRAL WELFARE FUND AND THE IRON WORKERS ONTARIO PENSION FUND			
OC1313624	2011/12/06	CONSTRUCTION LIEN		*** COMPLETELY DELETED ***			

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1319842	2011/12/23	CERTIFICATE		<p>GRUPE ORBI CONSTRUCTION INC.</p> <p>*** COMPLETELY DELETED ***</p> <p>ONTARIO SUPERIOR COURT OF JUSTICE</p>	<p>TRUSTEES OF THE IRON WORKERS CENTRAL WELFARE FUND AND THE IRON WORKERS ONTARIO PENSION FUND</p>	
		REMARKS: OC1307786				
OC1322076	2012/01/06	APL AMEND ORDER		<p>*** COMPLETELY DELETED ***</p> <p>ONTARIO SUPERIOR COURT OF JUSTICE</p>	<p>6782744 CANADA LTD.</p>	
OC1322077	2012/01/06	APL AMEND ORDER		<p>*** COMPLETELY DELETED ***</p> <p>ONTARIO SUPERIOR COURT OF JUSTICE</p>	<p>6782774 CANADA LTD.</p>	
OC1324917	2012/01/17	NOTICE OF LEASE		CARLETON UNIVERSITY	TM MOBILE INC.	C
OC1347242	2012/03/30	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
OC1347243	2012/03/30	POSTPONEMENT		<p>*** COMPLETELY DELETED ***</p> <p>CANADA MORTGAGE AND HOUSING CORPORATION</p>	CITY OF OTTAWA	
		REMARKS: CR439618 TO OC1347242				
OC1347244	2012/03/30	POSTPONEMENT		<p>*** COMPLETELY DELETED ***</p> <p>CANADA MORTGAGE AND HOUSING CORPORATION</p>	CITY OF OTTAWA	
		REMARKS: CR506251 TO OC1347242				
OC1347245	2012/03/30	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C
		REMARKS: CR554103 TO OC1347242				
OC1417254	2012/10/05	CONSTRUCTION LIEN		<p>*** COMPLETELY DELETED ***</p> <p>J. CONNELLY RENTAL LTD.</p>		
OC1421010	2012/10/19	CONSTRUCTION LIEN		<p>*** COMPLETELY DELETED ***</p> <p>CARROZZI, LUIGI</p>		
OC1422138	2012/10/24	CONSTRUCTION LIEN		<p>*** COMPLETELY DELETED ***</p> <p>GUILBEAULT- LAURIN, BOBBY</p>		
OC1424570	2012/10/31	CONSTRUCTION LIEN		<p>*** COMPLETELY DELETED ***</p> <p>2145765 ONTARIO INC.</p>		
OC1424571	2012/10/31	CONSTRUCTION LIEN		<p>*** COMPLETELY DELETED ***</p> <p>2113467 ONTARIO INC.</p>		

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1427930	2012/11/09	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	POMERLEAU INC.	
		REMARKS: VACATING OC1417254, OC1421010, OC1422138, OC1424570 AND OC1424571				
OC1454765	2013/02/21	DISCH OF CHARGE		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION		
		REMARKS: CR439618.				
OC1458727	2013/03/08	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** GRATIEN PROULX BILDING MATERIALS LTD.		
OC1463959	2013/03/28	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** 6994903 CANADA INC.		
OC1464717	2013/04/03	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** RAYMOND CHABOT INC., TRUSTEE IN BANKRUPTCY FOR ATLAN 4 CONSTRUCTION INC.		
OC1464751	2013/04/03	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	POMERLEAU INC.	
OC1464966	2013/04/04	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** BARD, DANIEL		
OC1464970	2013/04/04	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** CORCORAN, RICHARD		
OC1465968	2013/04/08	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	POMERLEAU INC.	
		REMARKS: OC1463959 IS HEREBY VACATED				
OC1466890	2013/04/11	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	POMERLEAU INC.	
		REMARKS: OC1464717 IS HEREBY VACATED				
OC1468387	2013/04/16	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	POMERLEAU INC.	
		REMARKS: VACATE OC1464966.				
OC1468393	2013/04/16	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	POMERLEAU INC.	
		REMARKS: VACATE OC1464970.				

REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1516786	2013/09/09	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** 1408639 ONTARIO INC.		
OC1528391	2013/10/15	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	POMERLEAU INC.	
		REMARKS: OC1516786				
OC1536212	2013/11/12	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
OC1536213	2013/11/12	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
		REMARKS: CR506251 TO OC1536212				
OC1536214	2013/11/12	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C
		REMARKS: CR554103 TO OC1536212				
OC1536500	2013/11/13	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** THOMPSON, ROD		
OC1538527	2013/11/19	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	LOUIS W. BRAY CONSTRUCTION LTD.	
		REMARKS: OC1536500				
OC1548253	2013/12/19	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** CARROZZI, LUIGI		
OC1548899	2013/12/20	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** THOMPSON, ROD		
OC1551176	2014/01/08	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	LOUIS W. BRAY CONSTRUCTION LTD.	
OC1552870	2014/01/15	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	LOUIS W. BRAY CONSTRUCTION LTD.	
OC1733502	2015/10/23	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** MAPLE TERRAZZO MARBLE & TILE INCORPORATED		
OC1740021	2015/11/13	DIS CONSTRUCT LIEN		*** COMPLETELY DELETED *** MAPLE TERRAZZO MARBLE & TILE INCORPORATED		
		REMARKS: OC1733502.				
OC1772126	2016/03/16	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C

LAND
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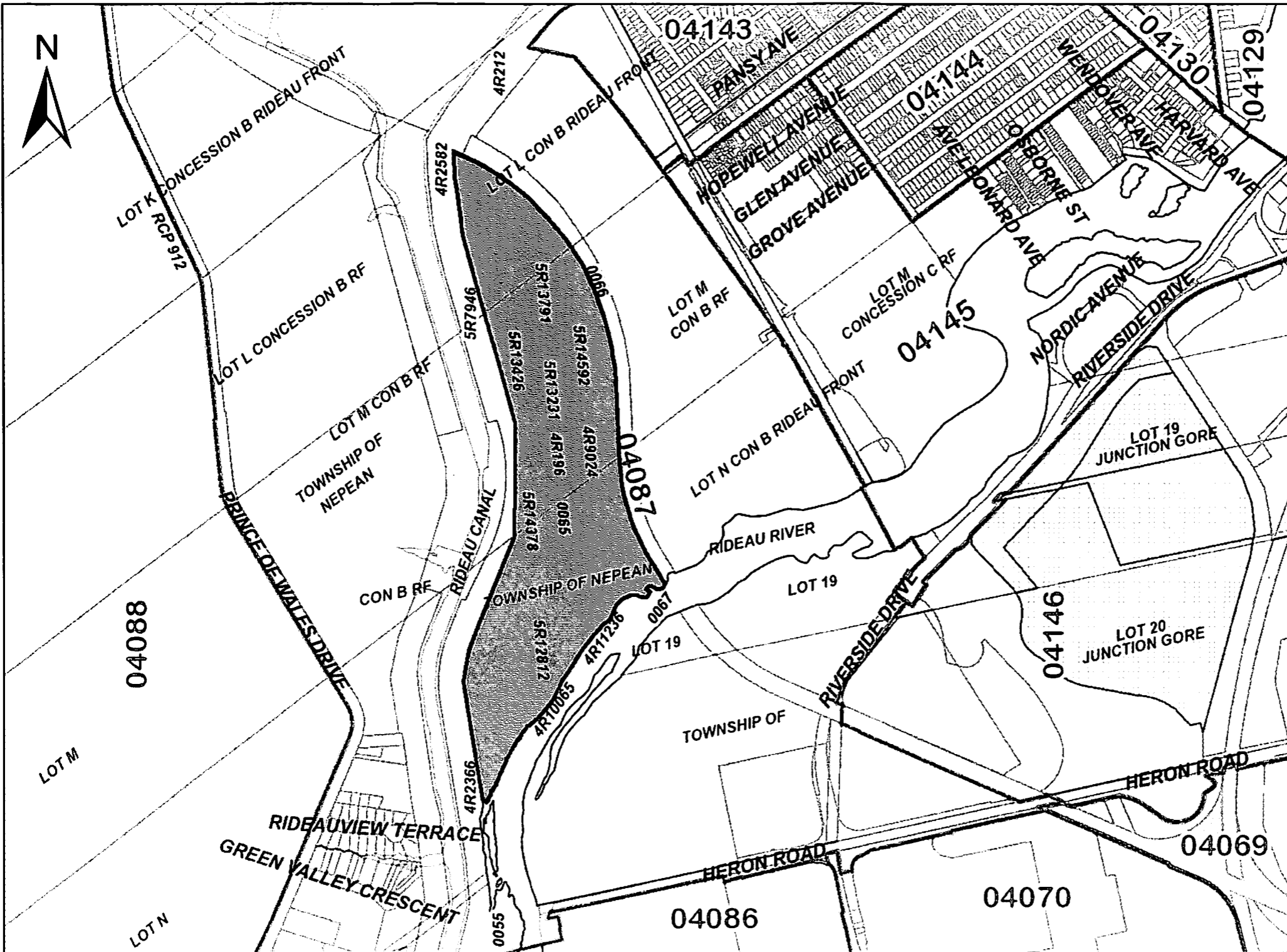
04087-0065 (LT)

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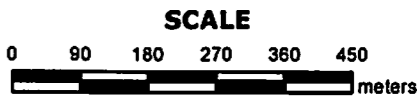
REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
REMARKS: SITE PLAN						
OC1772127	2016/03/16	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C
REMARKS: CR554103 TO OC1772126						
OC1772128	2016/03/16	POSTPONEMENT		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	
REMARKS: CR506251 TO OC1772126						
OC1823745	2016/09/02	DISCH OF CHARGE		*** COMPLETELY DELETED *** CANADA MORTGAGE AND HOUSING CORPORATION		
REMARKS: CR506251.						
OC1844903	2016/11/10	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** CRANE CANADA CO.		
OC1845304	2016/11/14	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** UNITED ASSOCIATION OF JOURNEYMEN AND APPRENTICES OF THE PLUMBING AND PIPEFITTING INDUSTRY OF THE USA AND CANADA, LOCAL 71-BUILDING		
OC1851557	2016/12/02	APL DEL CONST LIEN		*** COMPLETELY DELETED *** 8906785 CANADA INC.		
REMARKS: OC1845304.						
OC1851558	2016/12/02	APL DEL CONST LIEN		*** COMPLETELY DELETED *** 8906785 CANADA INC.		
REMARKS: OC1844903.						
OC1875719	2017/03/22	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** KELSON MECHANICAL INC.		
OC1878727	2017/04/03	APL DEL CONST LIEN		*** COMPLETELY DELETED *** WATERDON CONSTRUCTION LIMITED		
REMARKS: OC1875719.						
OC1888392	2017/05/15	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** DI NARDO, STEVE		
OC1894580	2017/06/05	APL DEL CONST LIEN		*** COMPLETELY DELETED *** MCDONALD BROTHERS CONSTRUCTION INC.		
REMARKS: OC1888392.						

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REG. NUM.	DATE	INSTRUMENT TYPE	AMOUNT	PARTIES FROM	PARTIES TO	CERT/ CHKD
OC1896517	2017/06/12	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** NORTHERN CONCRETE CUTTING, CORING & DEMOLITION INC.		
OC1898834	2017/06/19	APL DEL CONST LIEN		*** COMPLETELY DELETED *** MCDONALD BROTHERS CONSTRUCTION INC.		
		REMARKS: OC1896517.				
OC1935873	2017/10/02	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
		REMARKS: SITE PLAN AGREEMENT				
OC1935874	2017/10/02	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C
		REMARKS: CR554103 TO OC1935873				
OC2040296	2018/09/28	NOTICE	\$1	CITY OF OTTAWA	CARLETON UNIVERSITY	C
		REMARKS: AGREEMENT				
OC2040297	2018/09/28	POSTPONEMENT		CANADA MORTGAGE AND HOUSING CORPORATION	CITY OF OTTAWA	C
		REMARKS: CR554103 TO OC2040296				
OC2086836	2019/03/26	CONSTRUCTION LIEN		*** COMPLETELY DELETED *** CIF LAB SOLUTIONS LP		
OC2089117	2019/04/02	APL AMEND ORDER		*** COMPLETELY DELETED *** ONTARIO SUPERIOR COURT OF JUSTICE	BRADFORD CONSTRUCTION LTD.	
		REMARKS: VACATE OC2086836				



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PROPERTY INDEX MAP
OTTAWA-CARLETON(No. 04)

LEGEND

FREEHOLD PROPERTY	
LEASEHOLD PROPERTY	
LIMITED INTEREST PROPERTY	
CONDOMINIUM PROPERTY	
RETIRED PIN (MAP UPDATE PENDING)	
PROPERTY NUMBER	0449
BLOCK NUMBER	08050
GEOGRAPHIC FABRIC	
EASEMENT	

THIS IS NOT A PLAN OF SURVEY

NOTES

REVIEW THE TITLE RECORDS FOR COMPLETE PROPERTY INFORMATION AS THIS MAP MAY NOT REFLECT RECENT REGISTRATIONS

THIS MAP WAS COMPILED FROM PLANS AND DOCUMENTS RECORDED IN THE LAND REGISTRATION SYSTEM AND HAS BEEN PREPARED FOR PROPERTY INDEXING PURPOSES ONLY

FOR DIMENSIONS OF PROPERTIES BOUNDARIES SEE RECORDED PLANS AND DOCUMENTS

ONLY MAJOR EASEMENTS ARE SHOWN

REFERENCE PLANS UNDERLYING MORE RECENT REFERENCE PLANS ARE NOT ILLUSTRATED



APPENDIX

B ERIS REPORT





DATABASE REPORT

Project Property: *Carleton University
Carleton Univeristy
Ottawa ON*

Project No: *1966914*

Report Type: *Quote - Custom-Build Your Own Report*

Order No: *20190920010*

Requested by: *WSP Canada Inc.*

Date Completed: *October 9, 2019*

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Executive Summary

Property Information:

Project Property: Carleton University
Carleton Univeristy Ottawa ON

Project No: 1966914

Order Information:

Order No: 20190920010
Date Requested: September 20, 2019
Requested by: WSP Canada Inc.
Report Type: Quote - Custom-Build Your Own Report

Historical/Products:

Executive Summary: Report Summary

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
AAGR	<i>Abandoned Aggregate Inventory</i>	Y	0	0	0
AGR	<i>Aggregate Inventory</i>	Y	0	0	0
AMIS	<i>Abandoned Mine Information System</i>	Y	0	0	0
ANDR	<i>Anderson's Waste Disposal Sites</i>	Y	0	1	1
AST	<i>Aboveground Storage Tanks</i>	Y	0	0	0
AUWR	<i>Automobile Wrecking & Supplies</i>	Y	0	0	0
BORE	<i>Borehole</i>	Y	0	13	13
CA	<i>Certificates of Approval</i>	Y	0	12	12
CDRY	<i>Dry Cleaning Facilities</i>	Y	0	0	0
CFOT	<i>Commercial Fuel Oil Tanks</i>	Y	0	13	13
CHEM	<i>Chemical Register</i>	Y	0	0	0
CNG	<i>Compressed Natural Gas Stations</i>	Y	0	0	0
COAL	<i>Inventory of Coal Gasification Plants and Coal Tar Sites</i>	Y	0	0	0
CONV	<i>Compliance and Convictions</i>	Y	0	0	0
CPU	<i>Certificates of Property Use</i>	Y	0	0	0
DRL	<i>Drill Hole Database</i>	Y	0	0	0
EASR	<i>Environmental Activity and Sector Registry</i>	Y	0	0	0
EBR	<i>Environmental Registry</i>	Y	0	1	1
ECA	<i>Environmental Compliance Approval</i>	Y	0	11	11
EEM	<i>Environmental Effects Monitoring</i>	Y	0	0	0
EHS	<i>ERIS Historical Searches</i>	Y	0	6	6
EIIS	<i>Environmental Issues Inventory System</i>	Y	0	0	0
EMHE	<i>Emergency Management Historical Event</i>	Y	0	0	0
EPAR	<i>Environmental Penalty Annual Report</i>	Y	0	0	0
EXP	<i>List of TSSA Expired Facilities</i>	Y	0	0	0
FCON	<i>Federal Convictions</i>	Y	0	0	0
FCS	<i>Contaminated Sites on Federal Land</i>	Y	0	0	0
FOFT	<i>Fisheries & Oceans Fuel Tanks</i>	Y	0	0	0
FST	<i>Fuel Storage Tank</i>	Y	0	3	3
FSTH	<i>Fuel Storage Tank - Historic</i>	Y	0	2	2
GEN	<i>Ontario Regulation 347 Waste Generators Summary</i>	Y	0	48	48
GHG	<i>Greenhouse Gas Emissions from Large Facilities</i>	Y	0	1	1
HINC	<i>TSSA Historic Incidents</i>	Y	0	1	1
IAFT	<i>Indian & Northern Affairs Fuel Tanks</i>	Y	0	0	0
INC	<i>TSSA Incidents</i>	Y	0	3	3
LIMO	<i>Landfill Inventory Management Ontario</i>	Y	0	0	0

<i>Database</i>	<i>Name</i>	<i>Searched</i>	<i>Project Property</i>	<i>Boundary to 0.25km</i>	<i>Total</i>
MINE	Canadian Mine Locations	Y	0	0	0
MNR	Mineral Occurrences	Y	0	0	0
NATE	National Analysis of Trends in Emergencies System (NATES)	Y	0	0	0
NCPL	Non-Compliance Reports	Y	0	0	0
NDFT	National Defense & Canadian Forces Fuel Tanks	Y	0	0	0
NDSP	National Defense & Canadian Forces Spills	Y	0	0	0
NDWD	National Defence & Canadian Forces Waste Disposal Sites	Y	0	0	0
NEBI	National Energy Board Pipeline Incidents	Y	0	0	0
NEBP	National Energy Board Wells	Y	0	0	0
NEES	National Environmental Emergencies System (NEES)	Y	0	0	0
NPCB	National PCB Inventory	Y	0	2	2
NPRI	National Pollutant Release Inventory	Y	0	7	7
OGWE	Oil and Gas Wells	Y	0	0	0
OOGW	Ontario Oil and Gas Wells	Y	0	0	0
OPCB	Inventory of PCB Storage Sites	Y	0	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	0	0
PINC	TSSA Pipeline Incidents	Y	0	0	0
PRT	Private and Retail Fuel Storage Tanks	Y	0	0	0
PTTW	Permit to Take Water	Y	0	0	0
REC	Ontario Regulation 347 Waste Receivers Summary	Y	0	0	0
RSC	Record of Site Condition	Y	0	0	0
RST	Retail Fuel Storage Tanks	Y	0	0	0
SCT	Scott's Manufacturing Directory	Y	0	7	7
SPL	Ontario Spills	Y	0	11	11
SRDS	Wastewater Discharger Registration Database	Y	0	0	0
TANK	Anderson's Storage Tanks	Y	0	0	0
TCFT	Transport Canada Fuel Storage Tanks	Y	0	0	0
VAR	TSSA Variances for Abandonment of Underground Storage Tanks	Y	0	0	0
WDS	Waste Disposal Sites - MOE CA Inventory	Y	0	0	0
WDSH	Waste Disposal Sites - MOE 1991 Historical Approval Inventory	Y	0	1	1
WWIS	Water Well Information System	Y	0	4	4
Total:			0	151	151

Executive Summary: Site Report Summary - Project Property

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev diff (m)</i>	<i>Page Number</i>
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No records found in the selected databases for the project property.

Executive Summary: Site Report Summary - Surrounding Properties

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
1	WWIS		OTTAWA ON Well ID: 7153842	SE/7.2	0.00	40
2	CA	SNO Chemistry Lab, Rm #2385	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	42
2	CA	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	42
2	CA	CARLETON UNIVERSITY & NANCY C. DOUBLEDAY	1125 COLONEL BY DR. OTTAWA CITY ON	WNW/16.4	0.00	42
2	CA	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	43
2	CA		1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	43
2	CA	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	43
2	CA	Carleton University	1125 Colonel By Dr Ottawa ON	WNW/16.4	0.00	44
2	CA		1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	44
2	CA	CARLETON UNIVERSITY	1125 COLONEL BY DR.-MACKENZIE OTTAWA CITY ON	WNW/16.4	0.00	44
2	CA	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA CITY ON	WNW/16.4	0.00	44
2	CFOT	Carleton University	1125 Colonelby Dr(Diesel Tank @ Garage in Compound OTTAWA ON	WNW/16.4	0.00	45

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>2</u>	CFOT	Carleton University	1125 Colonelby Dr (Diesel Tank @ CHP) OTTAWA ON	WNW/16.4	0.00	<u>45</u>
<u>2</u>	CFOT	Carleton University	1125 Colonelby Dr (Bunker #2 Tank) OTTAWA ON	WNW/16.4	0.00	<u>45</u>
<u>2</u>	CFOT	Carleton University	1125 Colonelby Dr. (Bunker #1 Tank) OTTAWA ON	WNW/16.4	0.00	<u>46</u>
<u>2</u>	CFOT	Carleton University	1125 Colonelby Dr Bunker #3 Tank OTTAWA ON	WNW/16.4	0.00	<u>46</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>46</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>47</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>47</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>47</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>48</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>48</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>48</u>
<u>2</u>	CFOT	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>49</u>
<u>2</u>	EBR	Carleton University	1125 Colonel By Drive Ottawa K1S 5B6 CITY OF OTTAWA ON	WNW/16.4	0.00	<u>49</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
<u>2</u>	ECA	Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>50</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>50</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>50</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>50</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>51</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>51</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>51</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>51</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>52</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>52</u>
<u>2</u>	ECA	Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>52</u>
<u>2</u>	EHS		1125 Colonel By Dr Ottawa ON	WNW/16.4	0.00	<u>52</u>
<u>2</u>	EHS		1125 Colonel By Dr Ottawa ON	WNW/16.4	0.00	<u>53</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	EHS		1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	53
2	FST	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	53
2	FST	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	53
2	FST	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	WNW/16.4	0.00	54
2	FSTH	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON	WNW/16.4	0.00	54
2	FSTH	CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON	WNW/16.4	0.00	54
2	GEN	Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	WNW/16.4	0.00	55
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	55
2	GEN	Environment Canada Ecotoxicology and Wildlife Health Division	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	57
2	GEN	Group IV Semiconductor Inc.	Carleton University 1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	58
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	59
2	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	60

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>2</u>	GEN	Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	WNW/16.4	0.00	<u>60</u>
<u>2</u>	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	<u>61</u>
<u>2</u>	GEN	Elevation Elevator Inc.	1125 Colonel By Drive Ottawa ON K1S5B6	WNW/16.4	0.00	<u>62</u>
<u>2</u>	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	<u>62</u>
<u>2</u>	GEN	Environment Canada CWS	NWRC, Carleton University 1125 Colonel By Dr / Raven Rd Building 33 Ottawa ON	WNW/16.4	0.00	<u>64</u>
<u>2</u>	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>64</u>
<u>2</u>	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	<u>64</u>
<u>2</u>	GEN	Environment Canada CWS	NWRC, Carleton University 1125 Colonel By Drive, Raven Rd Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>65</u>
<u>2</u>	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	WNW/16.4	0.00	<u>66</u>
<u>2</u>	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>66</u>
<u>2</u>	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>67</u>
<u>2</u>	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>68</u>

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	69
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON	WNW/16.4	0.00	69
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	70
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	70
2	GEN	Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	WNW/16.4	0.00	71
2	GEN	Environment Canada CWS	NWRC, Carleton University 1125 Colonelby Dr / Raven Rd Building 33 Ottawa ON	WNW/16.4	0.00	71
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	WNW/16.4	0.00	72
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	72
2	GEN	Environment Canada Ecotoxicology and Wildlife Health Division	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	WNW/16.4	0.00	73
2	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	74
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	74

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	GEN	Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	WNW/16.4	0.00	75
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	76
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	77
2	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	77
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	78
2	GEN	Schindler Elevator Corporation	Carleton University - Athletics Bldg. 1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	79
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	WNW/16.4	0.00	79
2	GEN	Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	WNW/16.4	0.00	80
2	GEN	Group IV Semiconductor Inc.	Carleton University 1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	80
2	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	80
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	80
2	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	WNW/16.4	0.00	82
2	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	82

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>2</u>	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>84</u>
<u>2</u>	GEN	Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>86</u>
<u>2</u>	GEN	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>86</u>
<u>2</u>	GEN	CARLETON UNIVERSITY 09-070	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	<u>86</u>
<u>2</u>	GEN	Kone Inc.	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>88</u>
<u>2</u>	GEN	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	<u>88</u>
<u>2</u>	GHG	Carleton university	1125 Colonel By Drive Ottawa ON K1S5B6	WNW/16.4	0.00	<u>89</u>
<u>2</u>	HINC		1125 COLONEL BY DRIVE OTTAWA ON	WNW/16.4	0.00	<u>90</u>
<u>2</u>	INC		1125 COLONEL BY DRIVE, OTTAWA ON	WNW/16.4	0.00	<u>91</u>
<u>2</u>	INC		1125 COLONEL BY DRIVE, OTTAWA ON	WNW/16.4	0.00	<u>91</u>
<u>2</u>	INC		1125 COLONEL BY DRIVE, OTTAWA ON	WNW/16.4	0.00	<u>92</u>
<u>2</u>	NPCB	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE BUILDING SERVICES Ottawa ON	WNW/16.4	0.00	<u>93</u>
<u>2</u>	NPCB	CARLETON UNIVERSITY	1125 COLONEL BY DR BUILDING SERVICES	WNW/16.4	0.00	<u>94</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
			OTTAWA ON K1S 5B6			
2	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	WNW/16.4	0.00	96
2	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	WNW/16.4	0.00	97
2	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE MAINTENANCE BUILDING OTTAWA ON K1S5B6	WNW/16.4	0.00	98
2	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE MAINTENANCE BUILDING OTTAWA ON K1S5B6	WNW/16.4	0.00	99
2	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	WNW/16.4	0.00	101
2	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	WNW/16.4	0.00	102
2	OPCB	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	103
2	OPCB	Carleton University	1125 Colonel By Dr. Ottawa ON K1S 5B6	WNW/16.4	0.00	103
2	OPCB	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	WNW/16.4	0.00	104
2	OPCB	Carleton University	1125 Colonel By Dr. Ottawa ON K1S 5B6	WNW/16.4	0.00	104
2	SCT	Charlatan Publications Inc. - The Charlatan	1125 Colonel By Dr Rm 531 Unicentre Carleton Univ Ottawa ON	WNW/16.4	0.00	104
2	SCT	Centretown News - Ottawa	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	104

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
<u>2</u>	SCT	Pearson Peacekeeping Centre	1125 Colonel By Dr Suite 5110 Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>104</u>
<u>2</u>	SCT	Match Point - Cdn Table Tennis	1125 Colonel By Dr Suite 2800 Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>105</u>
<u>2</u>	SCT	The Charlatan	1125 Colonel By Dr Room 531 Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>105</u>
<u>2</u>	SCT	CHARLATAN PUBLICATIONS INC.	1125 COLONEL BY DR RM 531 UNICENTRE CARLETON UNIV OTTAWA ON K1S 5B6	WNW/16.4	0.00	<u>105</u>
<u>2</u>	SCT	NEADS Newsletter	1125 Colonel By Dr 4th Level Unicentre Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>105</u>
<u>2</u>	SPL	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>106</u>
<u>2</u>	SPL	R. W. Tomlinson Limited<UNOFFICIAL>	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>106</u>
<u>2</u>	SPL	Enbridge Gas Distribution Inc.	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>107</u>
<u>2</u>	SPL	S 21 (1)(f) of FIPPA	1125 Colonel By Dr Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>107</u>
<u>2</u>	SPL	Enbridge Gas Distribution Inc.	1125 Colonel By Drive Ottawa ON K1S 5B6	WNW/16.4	0.00	<u>108</u>
<u>2</u>	SPL	Carleton University	1125 Colonel by Drive Ottawa ON	WNW/16.4	0.00	<u>108</u>
<u>2</u>	SPL	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	<u>109</u>
<u>2</u>	SPL	Enbridge Gas <UNOFFICIAL>	1125 Colonel Drive Ottawa ON	WNW/16.4	0.00	<u>109</u>

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
2	SPL	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	110
2	SPL	Carleton University	1125 Colonel By Drive Ottawa ON	WNW/16.4	0.00	110
3	BORE		ON	SSW/29.8	0.97	111
4	BORE		ON	SW/53.9	2.03	113
5	BORE		ON	NE/54.7	-1.00	115
6	SPL	City of Ottawa	Campus Avenue and University Drive Ottawa ON	ENE/87.8	-2.06	117
7	WDSH		Bronson Ave (Carleton Univ) OTTAWA ON	ENE/98.9	-2.00	117
8	BORE		ON	NNW/113.9	-1.00	117
8	WWIS		ON Well ID: 1508070	NNW/113.9	-1.00	119
9	ANDR	Carleton Univ Dump	Ottawa ON K1S 5B6	ENE/122.3	-2.00	121
10	EHS		1125 Colonel By Dr Ottawa ON K1S5B6	NE/147.4	-2.00	122
10	NPRI	CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NE/147.4	-2.00	122
11	BORE		ON	W/155.3	-1.26	123

Map Key	DB	Company/Site Name	Address	Dir/Dist (m)	Elev Diff (m)	Page Number
12	BORE		ON	SW/165.2	3.00	124
13	WWIS		ON <i>Well ID: 1508071</i>	SSW/169.5	3.04	126
13	WWIS		ON <i>Well ID: 1508072</i>	SSW/169.5	3.04	128
14	CA	CARLETON UNIVERSITY	1125 COL. BY DR., HERZBERG LAB OTTAWA CITY ON	NE/170.7	-2.31	131
14	CA	CARLETON UNIVERSITY	1125 COL. BY DR.,HERZBERG LABS OTTAWA CITY ON	NE/170.7	-2.31	131
15	EHS		1125 Colonel By Drive Ottawa ON K1S 5B6	NNE/183.5	0.30	131
16	BORE		ON	W/186.2	1.87	131
17	BORE		ON	WSW/190.5	2.34	133
18	BORE		ON	WNW/205.5	-1.17	135
19	BORE		ON	ENE/213.3	-3.09	136
20	BORE		ON	WSW/216.2	4.03	138
21	BORE		ON	WNW/217.7	-1.00	140
22	BORE		ON	S/220.1	2.94	141

<i>Map Key</i>	<i>DB</i>	<i>Company/Site Name</i>	<i>Address</i>	<i>Dir/Dist (m)</i>	<i>Elev Diff (m)</i>	<i>Page Number</i>
23	EHS		1125 colonel by drive Ottawa ON K1S 5B6	E/248.4	-3.03	144

Executive Summary: Summary By Data Source

ANDR - Anderson's Waste Disposal Sites

A search of the ANDR database, dated 1860s-Present has found that there are 1 ANDR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton Univ Dump	Ottawa ON K1S 5B6	122.3	<u>9</u>

BORE - Borehole

A search of the BORE database, dated 1875-Jul 2018 has found that there are 13 BORE site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	29.8	<u>3</u>
	ON	53.9	<u>4</u>
	ON	54.7	<u>5</u>
	ON	113.9	<u>8</u>
	ON	155.3	<u>11</u>
	ON	165.2	<u>12</u>
	ON	186.2	<u>16</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	ON	190.5	<u>17</u>
	ON	205.5	<u>18</u>
	ON	213.3	<u>19</u>
	ON	216.2	<u>20</u>
	ON	217.7	<u>21</u>
	ON	220.1	<u>22</u>

CA - Certificates of Approval

A search of the CA database, dated 1985-Oct 30, 2011* has found that there are 12 CA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA CITY ON	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR.-MACKENZIE OTTAWA CITY ON	16.4	<u>2</u>
	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton University	1125 Colonel By Dr Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
CARLETON UNIVERSITY & NANCY C. DOUBLEDAY	1125 COLONEL BY DR. OTTAWA CITY ON	16.4	<u>2</u>
SNO Chemistry Lab, Rm #2385	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COL. BY DR.,HERZBERG LABS OTTAWA CITY ON	170.7	<u>14</u>
CARLETON UNIVERSITY	1125 COL. BY DR., HERZBERG LAB OTTAWA CITY ON	170.7	<u>14</u>

CFOT - Commercial Fuel Oil Tanks

A search of the CFOT database, dated Feb 28, 2017 has found that there are 13 CFOT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonelby Dr(Diesel Tank @ Garage in Compound OTTAWA ON	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonelby Dr (Diesel Tank @ CHP) OTTAWA ON	16.4	<u>2</u>
Carleton University	1125 Colonelby Dr (Bunker #2 Tank) OTTAWA ON	16.4	<u>2</u>
Carleton University	1125 Colonelby Dr. (Bunker #1 Tank) OTTAWA ON	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton University	1125 Colonelby Dr Bunker #3 Tank OTTAWA ON	16.4	<u>2</u>

EBR - Environmental Registry

A search of the EBR database, dated 1994-Aug 31, 2019 has found that there are 1 EBR site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton University	1125 Colonel By Drive Ottawa K1S 5B6 CITY OF OTTAWA ON	16.4	<u>2</u>

ECA - Environmental Compliance Approval

A search of the ECA database, dated Oct 2011-Aug 31, 2019 has found that there are 11 ECA site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>

EHS - ERIS Historical Searches

A search of the EHS database, dated 1999-Jul 31, 2019 has found that there are 6 EHS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
	1125 Colonel By Dr Ottawa ON	16.4	<u>2</u>
	1125 Colonel By Dr Ottawa ON	16.4	<u>2</u>
	1125 Colonel By Dr Ottawa ON K1S5B6	147.4	<u>10</u>
	1125 Colonel By Drive Ottawa ON K1S 5B6	183.5	<u>15</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1125 colonel by drive Ottawa ON K1S 5B6	248.4	23

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.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	2
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	2
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON K1S 5B6	16.4	2

FSTH - Fuel Storage Tank - Historic

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON	16.4	2
CARLETON UNIVERSITY	1125 COLONEL BY DR OTTAWA ON	16.4	2

GEN - Ontario Regulation 347 Waste Generators Summary

A search of the GEN database, dated 1986-Jul 31, 2019 has found that there are 48 GEN site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	16.4	<u>2</u>
Environment Canada Ecotoxicology and Wildlife Health Division	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	16.4	<u>2</u>
Group IV Semiconductor Inc.	Carleton University 1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	16.4	<u>2</u>
Elevation Elevator Inc.	1125 Colonel By Drive Ottawa ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	16.4	<u>2</u>
Environment Canada CWS	NWRC, Carleton University 1125 Colonel By Dr / Raven Rd Building 33 Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	16.4	<u>2</u>
Environment Canada CWS	NWRC, Carleton University 1125 Colonel By Drive, Raven Rd Ottawa ON K1S 5B6	16.4	<u>2</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	16.4	<u>2</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	16.4	<u>2</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	16.4	<u>2</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	16.4	<u>2</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON	16.4	<u>2</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	16.4	<u>2</u>
Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	16.4	<u>2</u>
Environment Canada CWS	NWRC, Carleton University 1125 Colonelby Dr / Raven Rd Building 33 Ottawa ON	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	16.4	<u>2</u>
Environment Canada Ecotoxicology and Wildlife Health Division	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	16.4	<u>2</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	16.4	<u>2</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	16.4	<u>2</u>
Schindler Elevator Corporation	Carleton University - Athletics Bldg. 1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Alinea Dental	1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	16.4	<u>2</u>
Group IV Semiconductor Inc.	Carleton University 1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	16.4	<u>2</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	16.4	<u>2</u>
Sports Medicine Clinic	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
CARLETON UNIVERSITY 09-070	1125 COLONEL BY DRIVE OTTAWA ON	16.4	<u>2</u>
Kone Inc.	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Environment Canada	National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	16.4	2
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON	16.4	2

GHG - Greenhouse Gas Emissions from Large Facilities

A search of the GHG database, dated 2013-Dec 2017 has found that there are 1 GHG site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton university	1125 Colonel By Drive Ottawa ON K1S5B6	16.4	2

HINC - TSSA Historic Incidents

A search of the HINC database, dated 2006-June 2009* has found that there are 1 HINC site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1125 COLONEL BY DRIVE OTTAWA ON	16.4	2

INC - TSSA Incidents

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1125 COLONEL BY DRIVE, OTTAWA ON	16.4	2
	1125 COLONEL BY DRIVE, OTTAWA ON	16.4	2

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	1125 COLONEL BY DRIVE, OTTAWA ON	16.4	<u>2</u>

NPCB - National PCB Inventory

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

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DR BUILDING SERVICES OTTAWA ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE BUILDING SERVICES Ottawa ON	16.4	<u>2</u>

NPRI - National Pollutant Release Inventory

A search of the NPRI database, dated 1993-May 2017 has found that there are 7 NPRI site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE MAINTENANCE BUILDING OTTAWA ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE MAINTENANCE BUILDING OTTAWA ON K1S5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	147.4	<u>10</u>

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.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Dr. Ottawa ON K1S 5B6	16.4	<u>2</u>
CARLETON UNIVERSITY	1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Dr. Ottawa ON K1S 5B6	16.4	<u>2</u>

SCT - Scott's Manufacturing Directory

A search of the SCT database, dated 1992-Mar 2011* has found that there are 7 SCT site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Centretown News - Ottawa	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Charlatan Publications Inc. - The Charlatan	1125 Colonel By Dr Rm 531 Unicentre Carleton Univ Ottawa ON	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Pearson Peacekeeping Centre	1125 Colonel By Dr Suite 5110 Ottawa ON K1S 5B6	16.4	<u>2</u>
NEADS Newsletter	1125 Colonel By Dr 4th Level Unicentre Ottawa ON K1S 5B6	16.4	<u>2</u>
CHARLATAN PUBLICATIONS INC.	1125 COLONEL BY DR RM 531 UNICENTRE CARLETON UNIV OTTAWA ON K1S 5B6	16.4	<u>2</u>
The Charlatan	1125 Colonel By Dr Room 531 Ottawa ON K1S 5B6	16.4	<u>2</u>
Match Point - Cdn Table Tennis	1125 Colonel By Dr Suite 2800 Ottawa ON K1S 5B6	16.4	<u>2</u>

SPL - Ontario Spills

A search of the SPL database, dated 1988-Feb 2019 has found that there are 11 SPL site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
R. W. Tomlinson Limited<UNOFFICIAL>	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
Enbridge Gas <UNOFFICIAL>	1125 Colonel Drive Ottawa ON	16.4	<u>2</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
Enbridge Gas Distribution Inc.	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
S 21 (1)(f) of FIPPA	1125 Colonel By Dr Ottawa ON K1S 5B6	16.4	<u>2</u>
Enbridge Gas Distribution Inc.	1125 Colonel By Drive Ottawa ON K1S 5B6	16.4	<u>2</u>
Carleton University	1125 Colonel by Drive Ottawa ON	16.4	<u>2</u>
Carleton University	1125 Colonel By Drive Ottawa ON	16.4	<u>2</u>
City of Ottawa	Campus Avenue and University Drive Ottawa ON	87.8	<u>6</u>

WDSH - Waste Disposal Sites - MOE 1991 Historical Approval Inventory

A search of the WDSH database, dated Up to Oct 1990* has found that there are 1 WDSH site(s) within approximately 0.25 kilometers of the project property.

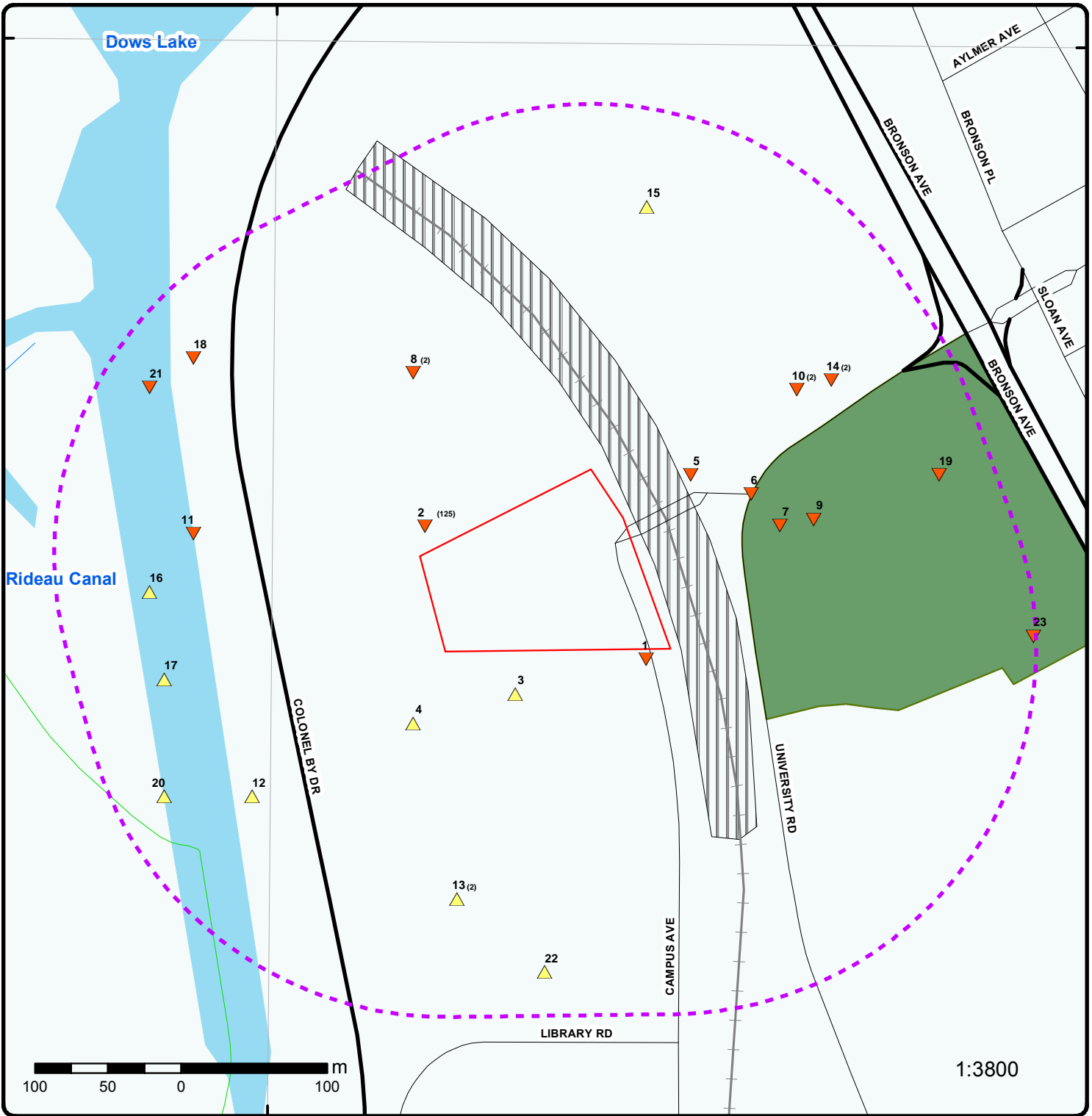
<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	Bronson Ave (Carleton Univ) OTTAWA ON	98.9	<u>7</u>

WWIS - Water Well Information System

A search of the WWIS database, dated Feb 28, 2019 has found that there are 4 WWIS site(s) within approximately 0.25 kilometers of the project property.

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	OTTAWA ON	7.2	<u>1</u>

<u>Site</u>	<u>Address</u>	<u>Distance (m)</u>	<u>Map Key</u>
	<i>Well ID:</i> 7153842		
	ON	113.9	<u>8</u>
	<i>Well ID:</i> 1508070		
	ON	169.5	<u>13</u>
	<i>Well ID:</i> 1508071		
	ON	169.5	<u>13</u>
	<i>Well ID:</i> 1508072		

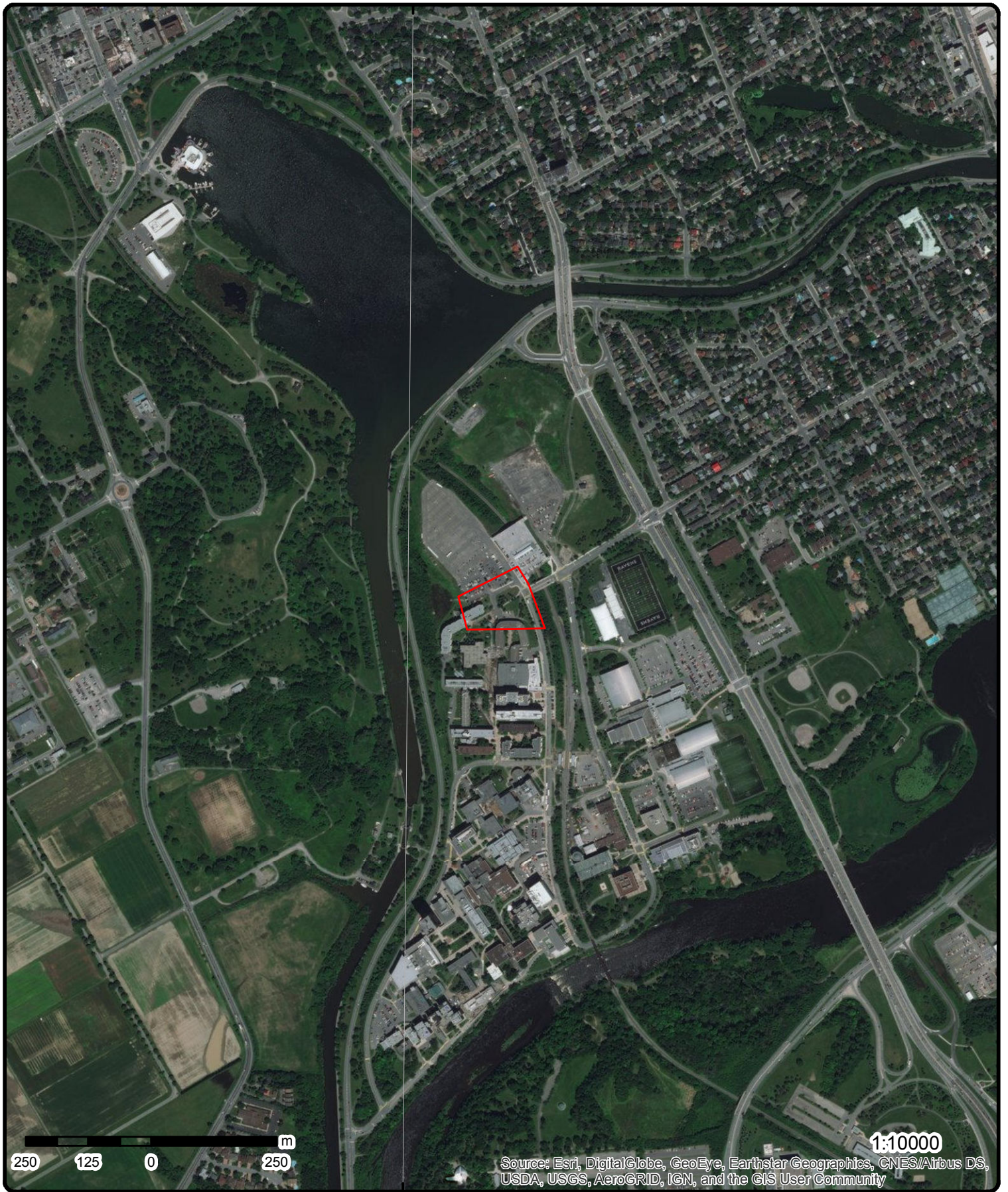


Map : 0.25 Kilometer Radius

Order No: 20190920010
Address: Carleton Univeristy, Ottawa, ON



Project Property	Expressway	Industrial and Resource - Regions	National Park
Buffer Outline	Principal Highway	Main Line	Provincial or Territorial Park
Eris Sites with Higher Elevation	Secondary Highway	Sidetrack	Other Park
Eris Sites with Same Elevation	Major Road	Transit Line	Golf Course or Driving Range
Eris Sites with Lower Elevation	Local road	Abandoned Line	Park or Sports Field
Eris Sites with Unknown Elevation	Trail	Proposed Road	Other Recreation Area
	Proposed Road		
	Ferry Route/Ice Road		



Aerial (2017)

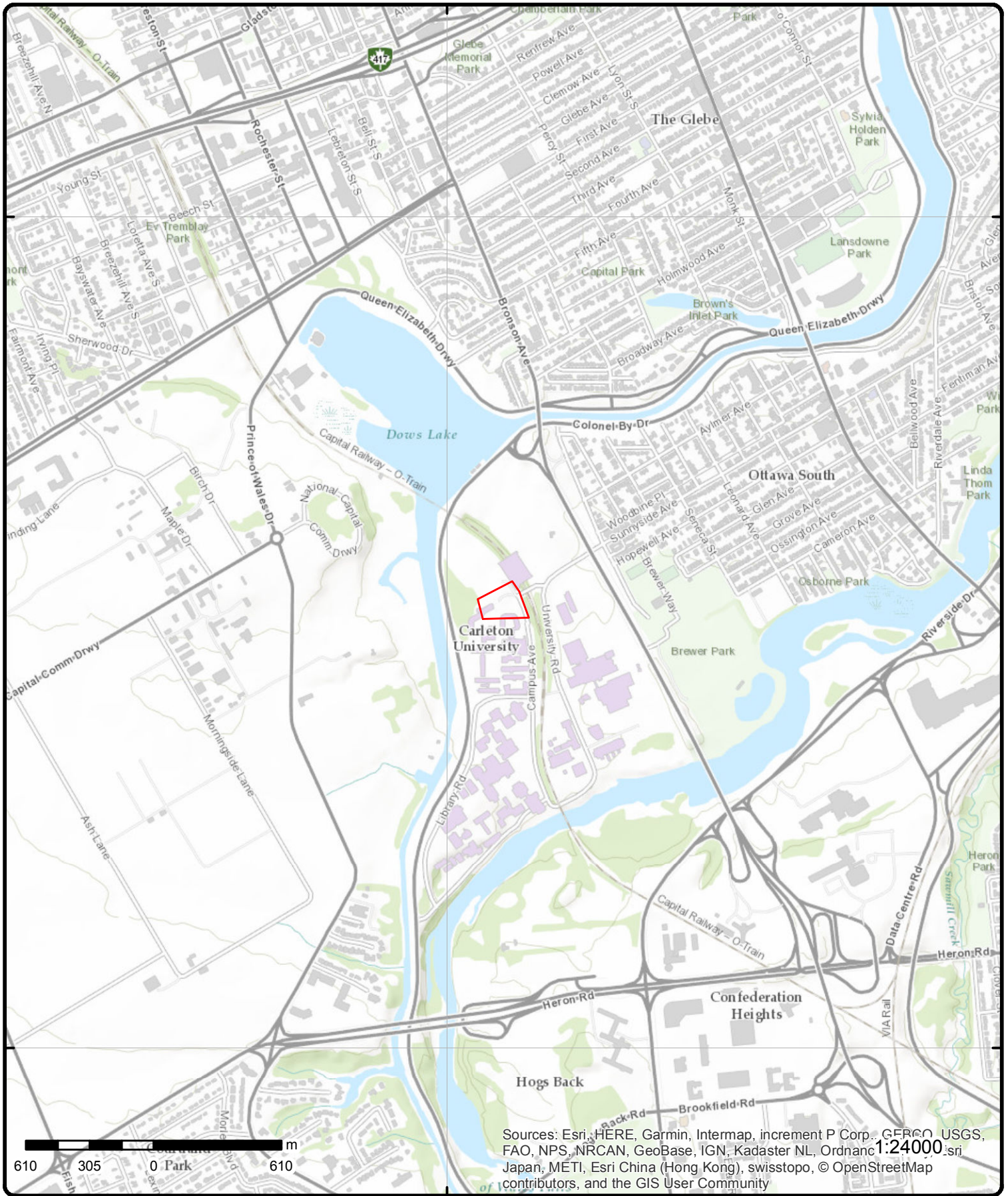
Address: Carleton Univeristy, Ottawa, ON

Source: ESRI World Imagery

Order No: 20190920010



© ERIS Information Limited Partnership



Topographic Map

Address: Carleton University, Ottawa, ON

Source: ESRI World Topographic Map

Order No: 20190920010



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Detail Report

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p><u>1</u></p> <p>Well ID: 7153842 Construction Date: Primary Water Use: Not Used Sec. Water Use: Final Well Status: Abandoned-Other Water Type: Casing Material: Audit No: Z102919 Tag: Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:</p> <p><u>Bore Hole Information</u></p> <p>Bore Hole ID: 1003358833 DP2BR: Spatial Status: Code OB: Code OB Desc: Open Hole: Cluster Kind: Date Completed: 8/11/2010 Remarks: Elevrc Desc: Location Source Date: Improvement Location Source: Improvement Location Method: Source Revision Comment: Supplier Comment:</p> <p><u>Overburden and Bedrock</u> <u>Materials Interval</u></p> <p>Formation ID: 1003473119 Layer: 1 Color: General Color: Mat1: Most Common Material: Mat2: Other Materials: Mat3:</p>	<p>1 of 1</p> <p>SE/7.2</p> <p>62.9 / 0.00</p> <p>OTTAWA ON</p> <p>Data Entry Status: Data Src: Date Received: 11/2/2010 Selected Flag: Yes Abandonment Rec: Yes Contractor: 4875 Form Version: 7 Owner: Street Name: CAMPUS AVE. County: OTTAWA-CARLETON Municipality: OTTAWA CITY Site Info: COMMENS LOADING DOCK Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:</p> <p>Elevation: 64.240135 Elevrc: Zone: 18 East83: 445460 North83: 5026276 Org CS: UTM83 UTMRC: 3 UTMRC Desc: margin of error : 10 - 30 m Location Method: wwr</p>	<p>.....</p> <p>WWIS</p>			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other Materials:					
Formation Top Depth:			0		
Formation End Depth:			30.42		
Formation End Depth UOM:			m		
<u>Annular Space/Abandonment</u>					
<u>Sealing Record</u>					
Plug ID:			1003473121		
Layer:			1		
Plug From:			1.52		
Plug To:			30.42		
Plug Depth UOM:			m		
<u>Pipe Information</u>					
Pipe ID:			1003473117		
Casing No:			0		
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:			1003473123		
Layer:					
Material:					
Open Hole or Material:					
Depth From:					
Depth To:					
Casing Diameter:					
Casing Diameter UOM:			cm		
Casing Depth UOM:			m		
<u>Construction Record - Screen</u>					
Screen ID:			1003473124		
Layer:					
Slot:					
Screen Top Depth:					
Screen End Depth:					
Screen Material:					
Screen Depth UOM:			m		
Screen Diameter UOM:			cm		
Screen Diameter:					
<u>Results of Well Yield Testing</u>					
Pump Test ID:			1003473118		
Pump Set At:					
Static Level:			4.22		
Final Level After Pumping:					
Recommended Pump Depth:					
Pumping Rate:					
Flowing Rate:					
Recommended Pump Rate:					
Levels UOM:			m		
Rate UOM:			LPM		
Water State After Test Code:			0		
Water State After Test:					
Pumping Test Method:			0		
Pumping Duration HR:					
Pumping Duration MIN:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Flowing:</i>					
<u>Hole Diameter</u>					
Hole ID:		1003473120			
Diameter:		15.24			
Depth From:		0			
Depth To:		30.42			
Hole Depth UOM:		m			
Hole Diameter UOM:		cm			
2	1 of 125	WNW/16.4	62.9 / 0.00	SNO Chemistry Lab, Rm #2385 1125 Colonel By Drive Ottawa ON	CA
Certificate #:					
Application Year:					
Issue Date:					
Approval Type:		Industrial air			
Status:		Returned			
Application Type:		Amended CofA			
Client Name:		Carleton University			
Client Address:		1125 Colonel By Drive			
Client City:		Ottawa			
Client Postal Code:		K1S 5B6			
Project Description:					
Contaminants:					
Emission Control:					
2	2 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	CA
Certificate #:		5324-67XL2N			
Application Year:		2004			
Issue Date:		12/23/2004			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
2	3 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY & NANCY C. DOUBLEDAY 1125 COLONEL BY DR. OTTAWA CITY ON	CA
Certificate #:		8-4124-95-			
Application Year:		95			
Issue Date:		8/2/1995			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Client Postal Code: Project Description: MODIFY EXIST. LAB. FUME HOOD Contaminants: Hydrogen Peroxide, Potassium Hydroxide Emission Control:					
2	4 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	CA
Certificate #: 2704-67XMCF Application Year: 2005 Issue Date: 1/14/2005 Approval Type: Air Status: Revoked and/or Replaced Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:					
2	5 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Drive Ottawa ON	CA
Certificate #: 0072-53UPTM Application Year: 02 Issue Date: 3/1/02 Approval Type: Municipal & Private sewage Status: Approved Application Type: New Certificate of Approval Client Name: Carleton University Client Address: 1125 Colonel By Drive Client City: Ottawa Client Postal Code: K1S 5B6 Project Description: Construction of Sanitary and Storm Sewers and Stowmwater Management Facility for a new facility for the university Contaminants: Emission Control:					
2	6 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	CA
Certificate #: 5294-5LRHN6 Application Year: 2003 Issue Date: 4/25/2003 Approval Type: Air 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
2	7 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON	CA
Certificate #:		2280-7H9QJ4			
Application Year:		2008			
Issue Date:		8/8/2008			
Approval Type:		Air			
Status:		Approved			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:					
Contaminants:					
Emission Control:					
2	8 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Drive Ottawa ON	CA
Certificate #:		1599-5E2UKD			
Application Year:		02			
Issue Date:		9/16/02			
Approval Type:		Industrial air			
Status:		Approved			
Application Type:		New Certificate of Approval			
Client Name:		Carleton University			
Client Address:		1125 Colonel By Drive			
Client City:		Ottawa			
Client Postal Code:		K1S 5B6			
Project Description:		This application is for approval of nitrogen oxide emissions to atmosphere from one (1) emergency 300kW diesel generator and two (2) 300kW gas fired water heating systems.			
Contaminants:					
Emission Control:					
2	9 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR.-MACKENZIE OTTAWA CITY ON	CA
Certificate #:		8-4165-93-			
Application Year:		93			
Issue Date:		2/10/1994			
Approval Type:		Industrial air			
Status:		Approved in 1994			
Application Type:					
Client Name:					
Client Address:					
Client City:					
Client Postal Code:					
Project Description:		FUME HOOD EXHAUST			
Contaminants:					
Emission Control:					
2	10 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA CITY ON	CA
Certificate #:		8-4033-94-			
Application Year:		94			
Issue Date:		5/20/1994			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Approval Type: Status: Application Type: Client Name: Client Address: Client City: Client Postal Code: Project Description: Contaminants: Emission Control:		Industrial air Approved FUMEHOOD RETROFIT FOR STEACIE BUILDING			
<u>2</u>	11 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr(Diesel Tank @ Garage in Compound OTTAWA ON	CFOT
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Instance Number: Facility Type: Instance Type: Status Name: Fuel Type: Distributor: Tank Material: Tank Age (as of 05/1992): Tank Size:		200204-1001 FS OIL 2006-00941 5079 Kildair Service Ltd		Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	1125 Colonelby Dr Ottawa ON K1S 5B6 1125 Colonelby Dr(Diesel Tank @ Garage in Compound)
<u>2</u>	12 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr (Diesel Tank @ CHP) OTTAWA ON	CFOT
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Instance Number: Facility Type: Instance Type: Status Name: Fuel Type: Distributor: Tank Material: Tank Age (as of 05/1992): Tank Size:		200204-1000 FS OIL 2006-00941 5078 Kildair Service Ltd		Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	1125 Colonelby Dr Ottawa ON K1S 5B6 1125 Colonelby Dr (Diesel Tank @ CHP)
<u>2</u>	13 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr (Bunker #2 Tank) OTTAWA ON	CFOT
Licence No: Registration No: Posse File No:		200204-0998 FS OIL 2006-00941		Letter Sent: Corrosion Protection: Province:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB	
Posse Reg No: Tank Type: Instance Number: Facility Type: Instance Type: Status Name: Fuel Type: Distributor: Tank Material: Tank Age (as of 05/1992): Tank Size:	5076 Kildair Service Ltd			Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	 1125 Colonelby Dr Ottawa ON K1S 5B6 1125 Colonelby Dr (Bunker #2 Tank)	
<u>2</u>	14 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr. (Bunker #1 Tank) OTTAWA ON	CFOT	
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Instance Number: Facility Type: Instance Type: Status Name: Fuel Type: Distributor: Tank Material: Tank Age (as of 05/1992): Tank Size:	 200204-0997 FS OIL 2006-00941 5075 Kildair Service Ltd steel 14 20000			Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	 1125 Colonelby Dr Ottawa ON K1S 5B6 1125 Colonelby Dr. (Bunker #1 Tank)	
<u>2</u>	15 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonelby Dr Bunker #3 Tank OTTAWA ON	CFOT	
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Instance Number: Facility Type: Instance Type: Status Name: Fuel Type: Distributor: Tank Material: Tank Age (as of 05/1992): Tank Size:	 200204-0999 FS OIL 2006-00941 5077 Kildair Service Ltd			Letter Sent: Corrosion Protection: Province: Nbr: Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: Comments:	 1125 Colonelby Dr Ottawa ON K1S 5B6 1125 Colonelby Dr Bunker #3 Tank	
<u>2</u>	16 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT	
Licence No: Registration No: Posse File No:				Letter Sent: Corrosion Protection: Province:	 Impressed Current ON	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Posse Reg No: Tank Type: Single Wall UST Instance Number: 43227484 Facility Type: FS Fuel Oil Tank Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil Distributor: Tank Material: Steel Tank Age (as of 05/1992): Tank Size: 20000					
Nbr: 963 Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: 1125 COLONEL BY DR Comments:					
2	17 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Single Wall UST Instance Number: 43227485 Facility Type: FS Fuel Oil Tank Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil Distributor: Tank Material: Fiberglass (FRP) Tank Age (as of 05/1992): Tank Size: 2280					
Letter Sent: Corrosion Protection: Province: ON Nbr: 964 Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: 1125 COLONEL BY DR Comments:					
2	18 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT
Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Single Wall UST Instance Number: 43227483 Facility Type: FS Fuel Oil Tank Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil Distributor: Tank Material: Steel Tank Age (as of 05/1992): Tank Size: 20000					
Letter Sent: Corrosion Protection: Impressed Current Province: ON Nbr: 962 Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: 1125 COLONEL BY DR Comments:					
2	19 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT
Licence No: Registration No: Posse File No:					
Letter Sent: Corrosion Protection: Province: ON					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<p>Posse Reg No: Tank Type: Single Wall UST Instance Number: 40436980 Facility Type: FS Fuel Oil Tank Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil Distributor: Tank Material: Steel Tank Age (as of 05/1992): Tank Size: 20000</p>					
<p>Nbr: 364 Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: 1125 COLONEL BY DR Comments:</p>					
2	20 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT
<p>Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Single Wall UST Instance Number: 40436979 Facility Type: FS Fuel Oil Tank Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil Distributor: Tank Material: Steel Tank Age (as of 05/1992): Tank Size: 20000</p>					
<p>Letter Sent: Corrosion Protection: Province: ON Nbr: 363 Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: 1125 COLONEL BY DR Comments:</p>					
2	21 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT
<p>Licence No: Registration No: Posse File No: Posse Reg No: Tank Type: Single Wall UST Instance Number: 40392813 Facility Type: FS Fuel Oil Tank Instance Type: FS Fuel Oil Tank Status Name: Active Fuel Type: Fuel Oil Distributor: Tank Material: Steel Tank Age (as of 05/1992): Tank Size: 20000</p>					
<p>Letter Sent: Corrosion Protection: Province: ON Nbr: 362 Contact Name: Contact Address: Contact Address2: Contact Suite: Contact City: Contact Prov: Contact Postal: Tank Address: 1125 COLONEL BY DR Comments:</p>					
2	22 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT
<p>Licence No: Registration No: Posse File No:</p>					
<p>Letter Sent: Corrosion Protection: Impressed Current Province: ON</p>					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Posse Reg No:				Nbr: 961	
Tank Type:	Single Wall UST			Contact Name:	
Instance Number:	43227482			Contact Address:	
Facility Type:	FS Fuel Oil Tank			Contact Address2:	
Instance Type:	FS Fuel Oil Tank			Contact Suite:	
Status Name:	Active			Contact City:	
Fuel Type:	Fuel Oil			Contact Prov:	
Distributor:				Contact Postal:	
Tank Material:	Steel			Tank Address: 1125 COLONEL BY DR	
Tank Age (as of 05/1992):				Comments:	
Tank Size:	20000				

2	23 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	CFOT
Licence No:				Letter Sent:	
Registration No:				Corrosion Protection:	
Posse File No:				Province: ON	
Posse Reg No:				Nbr: 965	
Tank Type:	Single Wall UST			Contact Name:	
Instance Number:	43227486			Contact Address:	
Facility Type:	FS Fuel Oil Tank			Contact Address2:	
Instance Type:	FS Fuel Oil Tank			Contact Suite:	
Status Name:	Active			Contact City:	
Fuel Type:	Fuel Oil			Contact Prov:	
Distributor:				Contact Postal:	
Tank Material:	Fiberglass (FRP)			Tank Address: 1125 COLONEL BY DR	
Tank Age (as of 05/1992):				Comments:	
Tank Size:	9092				

2	24 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa K1S 5B6 CITY OF OTTAWA ON	EBR
EBR Registry No:		012-7260		Decision Posted:	
Ministry Ref No:		2198-A7WQAA		Exception Posted:	
Notice Type:		Instrument Decision		Section:	
Notice Stage:		848864491		Act 1:	
Notice Date:		December 07, 2016		Act 2:	
Proposal Date:		April 04, 2016		Site Location Map:	
Year:		2016			
Instrument Type:		(EPA Part II.1-sewage) - Environmental Compliance Approval (project type: sewage)			
Off Instrument Name:					
Posted By:					
Company Name:		Carleton University			
Site Address:					
Location Other:					
Proponent Name:					
Proponent Address:		1125 Colonel By Drive, Ottawa Ontario, Canada K1S 5B6			
Comment Period:					
URL:					
Site Location Details:					
1125 Colonel By Drive Ottawa K1S 5B6 CITY OF OTTAWA					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	25 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	ECA
Approval No:	9517-BCZNWX			MOE District:	Ottawa
Approval Date:	2019-07-18			City:	
Status:	Approved			Longitude:	-75.69814
Record Type:	ECA			Latitude:	45.384583
Link Source:	IDS			Geometry X:	-8426678.3988
SWP Area Name:	Rideau Valley			Geometry Y:	5682270.776100002
Approval Type:	ECA-AIR				
Project Type:	AIR				
Address:	1125 Colonel By Dr				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8358-B38REH-14.pdf				
2	26 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	ECA
Approval No:	5218-76XSYZ			MOE District:	Ottawa
Approval Date:	2007-10-09			City:	
Status:	Approved			Longitude:	-75.69814
Record Type:	ECA			Latitude:	45.384583
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-AIR				
Project Type:	AIR				
Address:	1125 Colonel By Dr				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7289-6SBQYF-14.pdf				
2	27 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	ECA
Approval No:	2886-ANARUX			MOE District:	Ottawa
Approval Date:	2017-06-19			City:	
Status:	Approved			Longitude:	-75.69814
Record Type:	ECA			Latitude:	45.384583
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				
Address:	1125 Colonel By Dr				
Full Address:					
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/7142-AN5RZ7-14.pdf				
2	28 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	ECA
Approval No:	2752-AF6JHY			MOE District:	Ottawa
Approval Date:	2016-11-28			City:	
Status:	Approved			Longitude:	-75.69814
Record Type:	ECA			Latitude:	45.384583
Link Source:	IDS			Geometry X:	
SWP Area Name:	Rideau Valley			Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS				
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Address:		1125 Colonel By Dr			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/2198-A7WQAA-14.pdf			
2	29 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	ECA
Approval No:		2280-7H9QJ4		MOE District: Ottawa	
Approval Date:		2008-08-08		City:	
Status:		Approved		Longitude: -75.69814	
Record Type:		ECA		Latitude: 45.384583	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Rideau Valley		Geometry Y:	
Approval Type:		ECA-AIR			
Project Type:		AIR			
Address:		1125 Colonel By Dr			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/9091-7ETQTT-14.pdf			
2	30 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6	ECA
Approval No:		5324-67XL2N		MOE District: Ottawa	
Approval Date:		2004-12-23		City:	
Status:		Approved		Longitude: -75.69814	
Record Type:		ECA		Latitude: 45.384583	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Rideau Valley		Geometry Y:	
Approval Type:		ECA-AIR			
Project Type:		AIR			
Address:		1125 Colonel By Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/7050-63RQVU-14.pdf			
2	31 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6	ECA
Approval No:		5294-5LRHN6		MOE District: Ottawa	
Approval Date:		2003-04-25		City:	
Status:		Approved		Longitude: -75.69814	
Record Type:		ECA		Latitude: 45.384583	
Link Source:		IDS		Geometry X:	
SWP Area Name:		Rideau Valley		Geometry Y:	
Approval Type:		ECA-AIR			
Project Type:		AIR			
Address:		1125 Colonel By Drive			
Full Address:					
Full PDF Link:		https://www.accessenvironment.ene.gov.on.ca/instruments/8574-5JELLX-14.pdf			
2	32 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6	ECA
Approval No:		0072-53UPTM		MOE District: Ottawa	
Approval Date:		2002-03-01		City:	
Status:		Approved		Longitude: -75.69814	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS Project Type: MUNICIPAL AND PRIVATE SEWAGE WORKS Address: 1125 Colonel By Drive Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5244-53TMVY-14.pdf					
2	33 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6	ECA
Approval No: 2704-67XMCF Approval Date: 2005-01-14 Status: Revoked and/or Replaced Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-AIR Project Type: AIR Address: 1125 Colonel By Drive Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/1696-63RQS6-14.pdf					
2	34 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	ECA
Approval No: 4466-AHKJLS Approval Date: 2017-04-04 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-AIR Project Type: AIR Address: 1125 Colonel By Dr Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/4014-A5UL3A-14.pdf					
2	35 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON K1S 5B6	ECA
Approval No: 1599-5E2UKD Approval Date: 2002-09-16 Status: Approved Record Type: ECA Link Source: IDS SWP Area Name: Rideau Valley Approval Type: ECA-AIR Project Type: AIR Address: 1125 Colonel By Drive Full Address: Full PDF Link: https://www.accessenvironment.ene.gov.on.ca/instruments/5717-5AVU7G-14.pdf					
2	36 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Dr Ottawa ON	EHS

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Order No: 20031016001 Status: C Report Type: Complete Report Report Date: 10/24/03 Date Received: 10/16/03 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps and/or Site Plans and/or Inspection Reports Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.45 X: -75.693882 Y: 45.386202					
2	37 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Dr Ottawa ON	EHS
Order No: 20040421003 Status: C Report Type: Complete Report Report Date: 4/29/04 Date Received: 4/21/04 Previous Site Name: Lot/Building Size: Additional Info Ordered: Nearest Intersection: Municipality: Client Prov/State: ON Search Radius (km): 0.25 X: -75.695445 Y: 45.386152					
2	38 of 125	WNW/16.4	62.9 / 0.00	1125 Colonel By Drive Ottawa ON	EHS
Order No: 20070131041 Status: C Report Type: CAN - Custom Report Report Date: 2/6/2007 Date Received: 1/31/2007 Previous Site Name: Lot/Building Size: Additional Info Ordered: Fire Insur. Maps And /or Site Plans; Title Search Nearest Intersection: Municipality: Client Prov/State: Search Radius (km): 0.25 X: -75.697878 Y: 45.386445					
2	39 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	FST
Instance No: 10902323 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline Status: Active Capacity: 9091 Tank Material: Fiberglass (FRP) Corrosion Protection: Fiberglass Tank Type: Single Wall UST Install Year: 1980 Parent Facility Type: Fuels Safety Private Fuel Outlet - Self Serve Facility Type: FS Liquid Fuel Tank					
2	40 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	FST
Instance No: 10902338 Cont Name: Instance Type: FS Liquid Fuel Tank Fuel Type: Gasoline					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		Active 9091 Fiberglass (FRP) Fiberglass Single Wall UST 1980 Fuels Safety Private Fuel Outlet - Self Serve FS Liquid Fuel Tank			
2	41 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON K1S 5B6	FST
Instance No: Cont Name: Instance Type: Fuel Type: Status: Capacity: Tank Material: Corrosion Protection: Tank Type: Install Year: Parent Facility Type: Facility Type:		10902356 FS Liquid Fuel Tank Diesel Active 9091 Fiberglass (FRP) Fiberglass Single Wall UST 1980 Fuels Safety Private Fuel Outlet - Self Serve FS Liquid Fuel Tank			
2	42 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON	FSTH
License Issue Date: Tank Status: Tank Status As Of: Operation Type: Facility Type:		7/9/1990 Licensed August 2007 Private Fuel Outlet Gasoline Station - Self Serve			
--Details--					
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 1980 9091 Liquid Fuel Single Wall UST - Gasoline			
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 1980 9091 Liquid Fuel Single Wall UST - Gasoline			
Status: Year of Installation: Corrosion Protection: Capacity: Tank Fuel Type:		Active 1980 9091 Liquid Fuel Single Wall UST - Diesel			
2	43 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR OTTAWA ON	FSTH
License Issue Date:		7/9/1990			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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:		1980			
Corrosion Protection:					
Capacity:		9091			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1980			
Corrosion Protection:					
Capacity:		9091			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Gasoline			
Status:		Active			
Year of Installation:		1980			
Corrosion Protection:					
Capacity:		9091			
Tank Fuel Type:		Liquid Fuel Single Wall UST - Diesel			
2	44 of 125	WNW/16.4	62.9 / 0.00	Alinea Dental 1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	GEN
Generator No:		ON3368236		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Jul 2019		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			
2	45 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	GEN
Generator No:		ON0051100		PO Box No:	
Status:		Registered		Country: Canada	
Approval Years:		As of Jul 2019		Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:		148 B			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		145 L			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		331 I			
Waste Class Desc:		Waste compressed gases including cylinders			
Waste Class:		213 I			
Waste Class Desc:		Petroleum distillates			
Waste Class:		148 T			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		148 L			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		252 T			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		122 C			
Waste Class Desc:		Alkaline slutions - containing other metals and non-metals (not cyanide)			
Waste Class:		264 C			
Waste Class Desc:		Photoprocessing wastes			
Waste Class:		232 I			
Waste Class Desc:		Polymeric resins			
Waste Class:		145 I			
Waste Class Desc:		Wastes from the use of pigments, coatings and paints			
Waste Class:		263 H			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 R			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		262 L			
Waste Class Desc:		Detergents and soaps			
Waste Class:		146 R			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		241 H			
Waste Class Desc:		Halogenated solvents and residues			
Waste Class:		243 D			
Waste Class Desc:		PCB			
Waste Class:		222 L			
Waste Class Desc:		Heavy fuels			
Waste Class:		251 L			
Waste Class Desc:		Waste oils/sludges (petroleum based)			
Waste Class:		146 T			
Waste Class Desc:		Other specified inorganic sludges, slurries or solids			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		148 R			
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		221 L			
Waste Class Desc:		Light fuels			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:		112 C Acid solutions - containing heavy metals			
Waste Class: Waste Class Desc:		263 L Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		121 C Alkaline slutions - containing heavy metals			
Waste Class: Waste Class Desc:		253 L Emulsified oils			
Waste Class: Waste Class Desc:		148 C Misc. wastes and inorganic chemicals			
Waste Class: Waste Class Desc:		263 B Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		263 C Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		312 P Pathological wastes			
Waste Class: Waste Class Desc:		211 H Aromatic solvents and residues			
Waste Class: Waste Class Desc:		212 L Aliphatic solvents and residues			
Waste Class: Waste Class Desc:		221 I Light fuels			
Waste Class: Waste Class Desc:		331 C Waste compressed gases including cylinders			
Waste Class: Waste Class Desc:		113 C Acid solutions - containing other metals and non-metals			
Waste Class: Waste Class Desc:		261 A Pharmaceuticals			
Waste Class: Waste Class Desc:		263 I Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		148 I Misc. wastes and inorganic chemicals			
Waste Class: Waste Class Desc:		211 I Aromatic solvents and residues			
Waste Class: Waste Class Desc:		263 T Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		264 T Photoprocessing wastes			
Waste Class: Waste Class Desc:		148 A Misc. wastes and inorganic chemicals			
2	46 of 125	WNW/16.4	62.9 / 0.00	Environment Canada Ecotoxicology and Wildlife Heath Division National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Generator No:	ON1473889	PO Box No:	
Status:	Registered	Country:	Canada
Approval Years:	As of Jul 2019	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	114 C
Waste Class Desc:	Other inorganic acid wastes
Waste Class:	269 I
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	252 L
Waste Class Desc:	Waste crankcase oils and lubricants
Waste Class:	241 H
Waste Class Desc:	Halogenated solvents and residues
Waste Class:	263 B
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	269 L
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	242 A
Waste Class Desc:	Halogenated pesticides and herbicides
Waste Class:	312 P
Waste Class Desc:	Pathological wastes
Waste Class:	263 C
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	263 I
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	269 T
Waste Class Desc:	Organic non-halogenated pesticide and herbicide wastes
Waste Class:	148 C
Waste Class Desc:	Misc. wastes and inorganic chemicals
Waste Class:	263 L
Waste Class Desc:	Misc. waste organic chemicals
Waste Class:	212 I
Waste Class Desc:	Aliphatic solvents and residues

<u>2</u>	47 of 125	WNW/16.4	62.9 / 0.00	Group IV Semiconductor Inc. Carleton University 1125 Colonel By Drive Ottawa ON	GEN
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Generator No:	ON5278185	PO Box No:	
Status:		Country:	
Approval Years:	2009	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	325189, 325190		
SIC Description:	All Other Basic Inorganic Chemical Manufacturing, Other Basic Organic Chemical Manufacturing		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>Detail(s)</u>					
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			

<u>2</u>	48 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	GEN
Generator No:	ON0051100			PO Box No:	
Status:				Country:	Canada
Approval Years:	2014			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Tina Preseau
MHSW Facility:	No			Phone No Admin:	613-520-2600 Ext.3809
SIC Code:	611310				
SIC Description:	UNIVERSITIES				

Detail(s)

Waste Class:	221				
Waste Class Desc:	LIGHT FUELS				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	331				
Waste Class Desc:	WASTE COMPRESSED GASES				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				
Waste Class:	222				
Waste Class Desc:	HEAVY FUELS				
Waste Class:	264				
Waste Class Desc:	PHOTOPROCESSING WASTES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	253				
Waste Class Desc:	EMULSIFIED OILS				
Waste Class:	232				
Waste Class Desc:	POLYMERIC RESINS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	241				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			

2 49 of 125 WNW/16.4 62.9 / 0.00 Carleton University
1125 Colonel By Drive
Ottawa ON GEN

Generator No: ON3770520 **PO Box No:**
Status: **Country:**
Approval Years: 2013 **Choice of Contact:**
Contam. Facility: **Co Admin:**
MHSW Facility: **Phone No Admin:**
SIC Code: 621110
SIC Description: OFFICES OF PHYSICIANS

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

2 50 of 125 WNW/16.4 62.9 / 0.00 Alinea Dental
1125 Colonel By Dr Suite 2100
Ottawa ON K1S5R1 GEN

Generator No: ON3368236 **PO Box No:**
Status: **Country:** Canada
Approval Years: 2015 **Choice of Contact:** CO_OFFICIAL
Contam. Facility: No **Co Admin:** Christian Ramos

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility: SIC Code: SIC Description:	No 621210			Phone No Admin: 6135213368 Ext.	
		OFFICES OF DENTISTS			
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		312 PATHOLOGICAL WASTES			

<u>2</u>	51 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON0051100 2009			PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
	611310	Universities			
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:		112 ACID WASTE - HEAVY METALS			
Waste Class: Waste Class Desc:		113 ACID WASTE - OTHER METALS			
Waste Class: Waste Class Desc:		121 ALKALINE WASTES - HEAVY METALS			
Waste Class: Waste Class Desc:		146 OTHER SPECIFIED INORGANICS			
Waste Class: Waste Class Desc:		122 ALKALINE WASTES - OTHER METALS			
Waste Class: Waste Class Desc:		145 PAINT/PIGMENT/COATING RESIDUES			
Waste Class: Waste Class Desc:		148 INORGANIC LABORATORY CHEMICALS			
Waste Class: Waste Class Desc:		211 AROMATIC SOLVENTS			
Waste Class: Waste Class Desc:		212 ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:		213 PETROLEUM DISTILLATES			
Waste Class: Waste Class Desc:		221 LIGHT FUELS			
Waste Class: Waste Class Desc:		222 HEAVY FUELS			
Waste Class: Waste Class Desc:		241 HALOGENATED SOLVENTS			
Waste Class:		242			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

[2](#) 52 of 125 WNW/16.4 62.9 / 0.00 Elevation Elevator Inc.
1125 Colonel By Drive
Ottawa ON K1S5B6 GEN

Generator No: ON3415693
Status:
Approval Years: 2016
Contam. Facility: No
MHSW Facility: No
SIC Code: 238291
SIC Description: ELEVATOR AND ESCALATOR INSTALLATION CONTRACTORS

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

Detail(s)

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

[2](#) 53 of 125 WNW/16.4 62.9 / 0.00 CARLETON UNIVERSITY
1125 COLONEL BY DRIVE
OTTAWA ON GEN

Generator No: ON0051100
Status:
Approval Years: 2011
Contam. Facility:
MHSW Facility:
SIC Code: 611310
SIC Description: Universities

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

Detail(s)

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		222			
Waste Class Desc:		HEAVY FUELS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
2	54 of 125	WNW/16.4	62.9 / 0.00	Environment Canada CWS NWRC, Carleton University 1125 Colonel By Dr / Raven Rd Building 33 Ottawa ON	GEN
Generator No:	ON1473889			PO Box No:	
Status:				Country:	
Approval Years:	06			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541380				
SIC Description:	Testing Laboratories				
<u>Detail(s)</u>					
Waste Class:		114			
Waste Class Desc:		OTHER INORGANIC ACID WASTES			
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
2	55 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No:	ON3770520			PO Box No:	
Status:				Country:	
Approval Years:	06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
<u>Detail(s)</u>					
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
2	56 of 125	WNW/16.4	62.9 / 0.00	Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<i>Ottawa ON</i>					
Generator No:	ON1473889			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541380				
SIC Description:	Testing Laboratories				
<u>Detail(s)</u>					
Waste Class:	114				
Waste Class Desc:	OTHER INORGANIC ACID WASTES				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	241				
Waste Class Desc:	HALOGENATED SOLVENTS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	147				
Waste Class Desc:	CHEMICAL FERTILIZER WASTES				

<u>2</u>	57 of 125	WNW/16.4	62.9 / 0.00	Environment Canada CWS NWRC, Carleton University 1125 Colonel By Drive, Raven Rd Ottawa ON K1S 5B6	GEN
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Generator No:	ON1473889			PO Box No:	
Status:				Country:	
Approval Years:	07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541380				
SIC Description:	Testing Laboratories				

Detail(s)

Waste Class:	114				
Waste Class Desc:	OTHER INORGANIC ACID WASTES				
Waste Class:	147				
Waste Class Desc:	CHEMICAL FERTILIZER WASTES				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

2 58 of 125 **WNW/16.4** **62.9 / 0.00** **Sports Medicine Clinic
Carleton University 1125 Colonel By Dr
Ottawa ON K1S5B6** **GEN**

Generator No:	ON8145235	PO Box No:	
Status:		Country:	Canada
Approval Years:	2014	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	
MHSW Facility:	No	Phone No Admin:	
SIC Code:	621110		
SIC Description:	OFFICES OF PHYSICIANS		

Detail(s)

Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

2 59 of 125 **WNW/16.4** **62.9 / 0.00** **Environment Canada
National Wildlife Research Centre 1125 Colonel
by Dr., Raven Rd, Carleton University
Ottawa ON K1S 5B6** **GEN**

Generator No:	ON1473889	PO Box No:	
Status:		Country:	Canada
Approval Years:	2016	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	JIAN JUN YANG
MHSW Facility:	No	Phone No Admin:	6139986984 Ext.
SIC Code:	541380		
SIC Description:	TESTING LABORATORIES		

Detail(s)

Waste Class:	212
Waste Class Desc:	ALIPHATIC SOLVENTS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	251
Waste Class Desc:	OIL SKIMMINGS & SLUDGES
Waste Class:	269

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:				NON-HALOGENATED PESTICIDES	
Waste Class:			242		
Waste Class Desc:				HALOGENATED PESTICIDES	
Waste Class:			147		
Waste Class Desc:				CHEMICAL FERTILIZER WASTES	
Waste Class:			114		
Waste Class Desc:				OTHER INORGANIC ACID WASTES	
Waste Class:			241		
Waste Class Desc:				HALOGENATED SOLVENTS	
Waste Class:			148		
Waste Class Desc:				INORGANIC LABORATORY CHEMICALS	
Waste Class:			331		
Waste Class Desc:				WASTE COMPRESSED GASES	
Waste Class:			123		
Waste Class Desc:				ALKALINE PHOSPHATES	

[2](#) 60 of 125 WNW/16.4 62.9 / 0.00 Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6 GEN

Generator No: ON1473889
Status:
Approval Years: 2014
Contam. Facility: No
MHSW Facility: No
SIC Code: 541380
SIC Description: TESTING LABORATORIES

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

Detail(s)

Waste Class: 123
Waste Class Desc: ALKALINE PHOSPHATES

Waste Class: 252
Waste Class Desc: WASTE OILS & LUBRICANTS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 242
Waste Class Desc: HALOGENATED PESTICIDES

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 269
Waste Class Desc: NON-HALOGENATED PESTICIDES

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		147			
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

2	61 of 125	WNW/16.4	62.9 / 0.00	Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON K1S 5B6	GEN
Generator No:	ON1473889			PO Box No:	
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	541380				
SIC Description:	TESTING LABORATORIES				

Detail(s)

Waste Class:	114			
Waste Class Desc:	OTHER INORGANIC ACID WASTES			
Waste Class:	263			
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS			
Waste Class:	269			
Waste Class Desc:	NON-HALOGENATED PESTICIDES			
Waste Class:	212			
Waste Class Desc:	ALIPHATIC SOLVENTS			
Waste Class:	252			
Waste Class Desc:	WASTE OILS & LUBRICANTS			
Waste Class:	147			
Waste Class Desc:	CHEMICAL FERTILIZER WASTES			
Waste Class:	331			
Waste Class Desc:	WASTE COMPRESSED GASES			
Waste Class:	241			
Waste Class Desc:	HALOGENATED SOLVENTS			
Waste Class:	123			
Waste Class Desc:	ALKALINE PHOSPHATES			
Waste Class:	148			
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS			
Waste Class:	242			
Waste Class Desc:	HALOGENATED PESTICIDES			
Waste Class:	312			
Waste Class Desc:	PATHOLOGICAL WASTES			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			

2	62 of 125	WNW/16.4	62.9 / 0.00	Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	GEN
Generator No:	ON1473889			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541380				
SIC Description:	TESTING LABORATORIES				

Detail(s)

Waste Class:	241				
Waste Class Desc:	HALOGENATED SOLVENTS				
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	269				
Waste Class Desc:	NON-HALOGENATED PESTICIDES				
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	123				
Waste Class Desc:	ALKALINE PHOSPHATES				
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	251				
Waste Class Desc:	OIL SKIMMINGS & SLUDGES				
Waste Class:	114				
Waste Class Desc:	OTHER INORGANIC ACID WASTES				
Waste Class:	147				
Waste Class Desc:	CHEMICAL FERTILIZER WASTES				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				

2	63 of 125	WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON	GEN
Generator No:	ON8145235			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code:	621110				
SIC Description:		OFFICES OF PHYSICIANS			
<u>Detail(s)</u>					
Waste Class:	261				
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:	312				
Waste Class Desc:		PATHOLOGICAL WASTES			
2	64 of 125	WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	GEN
Generator No:	ON8145235			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:		Offices of Physicians			
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:	261				
Waste Class Desc:		PHARMACEUTICALS			
2	65 of 125	WNW/16.4	62.9 / 0.00	Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	GEN
Generator No:	ON1473889			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	541380				
SIC Description:		Testing Laboratories			
<u>Detail(s)</u>					
Waste Class:	212				
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:	148				
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:	263				
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:	252				
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:	242				
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:	147				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		CHEMICAL FERTILIZER WASTES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		114			
Waste Class Desc:		OTHER INORGANIC ACID WASTES			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			

[2](#) 66 of 125 **WNW/16.4** **62.9 / 0.00** **Alinea Dental
1125 Colonel By Dr Suite 2100
Ottawa ON K1S5R1** **GEN**

Generator No:	ON3368236	PO Box No:	
Status:		Country:	Canada
Approval Years:	2016	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	Christian Ramos
MHSW Facility:	No	Phone No Admin:	6135213368 Ext.
SIC Code:	621210		
SIC Description:	OFFICES OF DENTISTS		

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

[2](#) 67 of 125 **WNW/16.4** **62.9 / 0.00** **Environment Canada CWS
NWRC, Carleton University 1125 Colonelby Dr /
Raven Rd Building 33
Ottawa ON** **GEN**

Generator No:	ON1473889	PO Box No:	
Status:		Country:	
Approval Years:	03,04,05	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	541380		
SIC Description:	Testing Laboratories		

Detail(s)

Waste Class: 114
Waste Class Desc: OTHER INORGANIC ACID WASTES

Waste Class: 147
Waste Class Desc: CHEMICAL FERTILIZER WASTES

Waste Class: 148
Waste Class Desc: INORGANIC LABORATORY CHEMICALS

Waste Class: 212
Waste Class Desc: ALIPHATIC SOLVENTS

Waste Class: 241
Waste Class Desc: HALOGENATED SOLVENTS

Waste Class: 263
Waste Class Desc: ORGANIC LABORATORY CHEMICALS

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	68 of 125	WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S5B6	GEN
Generator No:	ON8145235			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	
MHSW Facility:	No			Phone No Admin:	
SIC Code:	621110				
SIC Description:	OFFICES OF PHYSICIANS				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	261				
Waste Class Desc:	PHARMACEUTICALS				
2	69 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Generator No:	ON0051100			PO Box No:	
Status:				Country:	
Approval Years:	2012			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611310				
SIC Description:	Universities				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	242				
Waste Class Desc:	HALOGENATED PESTICIDES				
Waste Class:	269				
Waste Class Desc:	NON-HALOGENATED PESTICIDES				
Waste Class:	212				
Waste Class Desc:	ALIPHATIC SOLVENTS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	213				
Waste Class Desc:	PETROLEUM DISTILLATES				
Waste Class:	253				
Waste Class Desc:	EMULSIFIED OILS				
Waste Class:	262				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		222			
Waste Class Desc:		HEAVY FUELS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		243			
Waste Class Desc:		PCBS			

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WNW/16.4

62.9 / 0.00

Environment Canada Ecotoxicology and Wildlife
Heath Division
National Wildlife Research Centre 1125 Colonel
by Dr., Raven Rd, Carleton University
Ottawa ON K1S 5B6

GEN

Generator No: ON1473889
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 114 C
Waste Class Desc: Other inorganic acid wastes

Waste Class: 148 C

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		Misc. wastes and inorganic chemicals			
Waste Class:		212 I			
Waste Class Desc:		Aliphatic solvents and residues			
Waste Class:		241 H			
Waste Class Desc:		Halogenated solvents and residues			
Waste Class:		242 A			
Waste Class Desc:		Halogenated pesticides and herbicides			
Waste Class:		252 L			
Waste Class Desc:		Waste crankcase oils and lubricants			
Waste Class:		263 B			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 C			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 I			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		263 L			
Waste Class Desc:		Misc. waste organic chemicals			
Waste Class:		269 I			
Waste Class Desc:		Organic non-halogenated pesticide and herbicide wastes			
Waste Class:		269 L			
Waste Class Desc:		Organic non-halogenated pesticide and herbicide wastes			
Waste Class:		269 T			
Waste Class Desc:		Organic non-halogenated pesticide and herbicide wastes			
Waste Class:		312 P			
Waste Class Desc:		Pathological wastes			

2 71 of 125 **WNW/16.4** **62.9 / 0.00** **Carleton University
1125 Colonel By Drive
Ottawa ON** **GEN**

Generator No:	ON3770520	PO Box No:	
Status:		Country:	
Approval Years:	2012	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:	621110		
SIC Description:	Offices of Physicians		

Detail(s)

Waste Class: 312
Waste Class Desc: PATHOLOGICAL WASTES

2 72 of 125 **WNW/16.4** **62.9 / 0.00** **Environment Canada
National Wildlife Research Centre 1125 Colonel
by Dr., Raven Rd, Carleton University
Ottawa ON** **GEN**

Generator No:	ON1473889	PO Box No:	
Status:		Country:	
Approval Years:	2010	Choice of Contact:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contam. Facility: MHSW Facility: SIC Code: SIC Description:	541380	Testing Laboratories		Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	241	HALOGENATED SOLVENTS			
Waste Class: Waste Class Desc:	212	ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:	242	HALOGENATED PESTICIDES			
Waste Class: Waste Class Desc:	114	OTHER INORGANIC ACID WASTES			
Waste Class: Waste Class Desc:	312	PATHOLOGICAL WASTES			
Waste Class: Waste Class Desc:	147	CHEMICAL FERTILIZER WASTES			
Waste Class: Waste Class Desc:	148	INORGANIC LABORATORY CHEMICALS			
Waste Class: Waste Class Desc:	263	ORGANIC LABORATORY CHEMICALS			
Waste Class: Waste Class Desc:	252	WASTE OILS & LUBRICANTS			
2	73 of 125	WNW/16.4	62.9 / 0.00	Environment Canada National Wildlife Research Centre 1125 Colonel by Dr., Raven Rd, Carleton University Ottawa ON	GEN
Generator No: Status: Approval Years: Contam. Facility: MHSW Facility: SIC Code: SIC Description:	ON1473889 2009 541380	Testing Laboratories		PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: Waste Class Desc:	114	OTHER INORGANIC ACID WASTES			
Waste Class: Waste Class Desc:	147	CHEMICAL FERTILIZER WASTES			
Waste Class: Waste Class Desc:	148	INORGANIC LABORATORY CHEMICALS			
Waste Class: Waste Class Desc:	212	ALIPHATIC SOLVENTS			
Waste Class: Waste Class Desc:	241	HALOGENATED SOLVENTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			

<u>2</u>	74 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	GEN
Generator No:	ON0051100			PO Box No:	
Status:				Country:	Canada
Approval Years:	2016			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Tina Preseau
MHSW Facility:	No			Phone No Admin:	613-520-2600 Ext.3809
SIC Code:	611310				
SIC Description:	UNIVERSITIES				

Detail(s)

Waste Class:	264
Waste Class Desc:	PHOTOPROCESSING WASTES
Waste Class:	113
Waste Class Desc:	ACID WASTE - OTHER METALS
Waste Class:	252
Waste Class Desc:	WASTE OILS & LUBRICANTS
Waste Class:	263
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS
Waste Class:	112
Waste Class Desc:	ACID WASTE - HEAVY METALS
Waste Class:	146
Waste Class Desc:	OTHER SPECIFIED INORGANICS
Waste Class:	148
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS
Waste Class:	269
Waste Class Desc:	NON-HALOGENATED PESTICIDES
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES
Waste Class:	331
Waste Class Desc:	WASTE COMPRESSED GASES
Waste Class:	121
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS
Waste Class:	221
Waste Class Desc:	LIGHT FUELS
Waste Class:	145
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES
Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	213

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		222			
Waste Class Desc:		HEAVY FUELS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
<u>2</u>	75 of 125	WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	GEN
Generator No:	ON8145235			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
<u>Detail(s)</u>					
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
<u>2</u>	76 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No:	ON3770520			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
MHSW Facility: SIC Code: 621110 SIC Description: Offices of Physicians				Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
<u>2</u>	77 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Generator No: ON0051100 Status: Approval Years: 2010 Contam. Facility: MHSW Facility: SIC Code: 611310 SIC Description: Universities				PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:	
<u>Detail(s)</u>					
Waste Class: 242 Waste Class Desc: HALOGENATED PESTICIDES					
Waste Class: 221 Waste Class Desc: LIGHT FUELS					
Waste Class: 269 Waste Class Desc: NON-HALOGENATED PESTICIDES					
Waste Class: 122 Waste Class Desc: ALKALINE WASTES - OTHER METALS					
Waste Class: 211 Waste Class Desc: AROMATIC SOLVENTS					
Waste Class: 113 Waste Class Desc: ACID WASTE - OTHER METALS					
Waste Class: 213 Waste Class Desc: PETROLEUM DISTILLATES					
Waste Class: 331 Waste Class Desc: WASTE COMPRESSED GASES					
Waste Class: 262 Waste Class Desc: DETERGENTS/SOAPS					
Waste Class: 263 Waste Class Desc: ORGANIC LABORATORY CHEMICALS					
Waste Class: 222 Waste Class Desc: HEAVY FUELS					
Waste Class: 112 Waste Class Desc: ACID WASTE - HEAVY METALS					
Waste Class: 212 Waste Class Desc: ALIPHATIC SOLVENTS					
Waste Class: 241					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

[2](#) 78 of 125 WNW/16.4 62.9 / 0.00 Schindler Elevator Corporation
Carleton University - Athletics Bldg. 1125
Colonel By Drive
Ottawa ON K1S 5B6 GEN

Generator No: ON4256084
Status:
Approval Years: 04
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

[2](#) 79 of 125 WNW/16.4 62.9 / 0.00 Sports Medicine Clinic
Carleton University 1125 Colonel By Dr
Ottawa ON K1S5B6 GEN

Generator No: ON8145235
Status: Registered
Approval Years: As of Dec 2018
Contam. Facility:
MHSW Facility:
SIC Code:
SIC Description:

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

Detail(s)

Waste Class: 261 A
Waste Class Desc: Pharmaceuticals

Waste Class: 312 P

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		Pathological wastes			
2	80 of 125	WNW/16.4	62.9 / 0.00	Alinea Dental 1125 Colonel By Dr Suite 2100 Ottawa ON K1S5R1	GEN
Generator No:	ON3368236			PO Box No:	
Status:	Registered			Country:	Canada
Approval Years:	As of Dec 2018			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:	312 P				
Waste Class Desc:	Pathological wastes				
2	81 of 125	WNW/16.4	62.9 / 0.00	Group IV Semiconductor Inc. Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No:	ON5278185			PO Box No:	
Status:				Country:	
Approval Years:	2010			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	325189, 325190				
SIC Description:	All Other Basic Inorganic Chemical Manufacturing, Other Basic Organic Chemical Manufacturing				
<u>Detail(s)</u>					
Waste Class:	263				
Waste Class Desc:	ORGANIC LABORATORY CHEMICALS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
2	82 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No:	ON3770520			PO Box No:	
Status:				Country:	
Approval Years:	2011			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	621110				
SIC Description:	Offices of Physicians				
<u>Detail(s)</u>					
Waste Class:	312				
Waste Class Desc:	PATHOLOGICAL WASTES				
2	83 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No:	ON0051100			PO Box No:	
Status:				Country:	
Approval Years:	2013			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	611310				
SIC Description:		UNIVERSITIES			
<u>Detail(s)</u>					
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		253			
Waste Class Desc:		EMULSIFIED OILS			
Waste Class:		222			
Waste Class Desc:		HEAVY FUELS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		243			
Waste Class Desc:		PCBS			
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		261			
Waste Class Desc:		PHARMACEUTICALS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		148			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			

2 84 of 125 WNW/16.4 62.9 / 0.00 Sports Medicine Clinic
Carleton University 1125 Colonel By Dr
Ottawa ON K1S5B6 GEN

Generator No:	ON8145235	PO Box No:	
Status:		Country:	Canada
Approval Years:	2015	Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No	Co Admin:	
MHSW Facility:	No	Phone No Admin:	
SIC Code:	621110		
SIC Description:	OFFICES OF PHYSICIANS		

Detail(s)

Waste Class:	261
Waste Class Desc:	PHARMACEUTICALS
Waste Class:	312
Waste Class Desc:	PATHOLOGICAL WASTES

2 85 of 125 WNW/16.4 62.9 / 0.00 CARLETON UNIVERSITY
1125 COLONEL BY DRIVE
OTTAWA ON K1S 5B6 GEN

Generator No:	ON0051100	PO Box No:	
Status:	Registered	Country:	Canada
Approval Years:	As of Dec 2018	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class:	122 C
Waste Class Desc:	Alkaline slutions - containing other metals and non-metals (not cyanide)
Waste Class:	112 C
Waste Class Desc:	Acid solutions - containing heavy metals

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:			113 C	Acid solutions - containing other metals and non-metals	
Waste Class: Waste Class Desc:			121 C	Alkaline slutions - containing heavy metals	
Waste Class: Waste Class Desc:			145 I	Wastes from the use of pigments, coatings and paints	
Waste Class: Waste Class Desc:			145 L	Wastes from the use of pigments, coatings and paints	
Waste Class: Waste Class Desc:			146 R	Other specified inorganic sludges, slurries or solids	
Waste Class: Waste Class Desc:			146 T	Other specified inorganic sludges, slurries or solids	
Waste Class: Waste Class Desc:			148 A	Misc. wastes and inorganic chemicals	
Waste Class: Waste Class Desc:			148 B	Misc. wastes and inorganic chemicals	
Waste Class: Waste Class Desc:			148 C	Misc. wastes and inorganic chemicals	
Waste Class: Waste Class Desc:			148 I	Misc. wastes and inorganic chemicals	
Waste Class: Waste Class Desc:			148 L	Misc. wastes and inorganic chemicals	
Waste Class: Waste Class Desc:			148 R	Misc. wastes and inorganic chemicals	
Waste Class: Waste Class Desc:			148 T	Misc. wastes and inorganic chemicals	
Waste Class: Waste Class Desc:			211 H	Aromatic solvents and residues	
Waste Class: Waste Class Desc:			211 I	Aromatic solvents and residues	
Waste Class: Waste Class Desc:			212 I	Aliphatic solvents and residues	
Waste Class: Waste Class Desc:			212 L	Aliphatic solvents and residues	
Waste Class: Waste Class Desc:			213 I	Petroleum distillates	
Waste Class: Waste Class Desc:			221 I	Light fuels	
Waste Class: Waste Class Desc:			221 L	Light fuels	
Waste Class: Waste Class Desc:			222 L	Heavy fuels	
Waste Class: Waste Class Desc:			232 I	Polymeric resins	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: Waste Class Desc:		241 H Halogenated solvents and residues			
Waste Class: Waste Class Desc:		243 D PCB			
Waste Class: Waste Class Desc:		251 L Waste oils/sludges (petroleum based)			
Waste Class: Waste Class Desc:		252 L Waste crankcase oils and lubricants			
Waste Class: Waste Class Desc:		252 T Waste crankcase oils and lubricants			
Waste Class: Waste Class Desc:		253 L Emulsified oils			
Waste Class: Waste Class Desc:		261 A Pharmaceuticals			
Waste Class: Waste Class Desc:		262 L Detergents and soaps			
Waste Class: Waste Class Desc:		263 B Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		263 C Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		263 H Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		263 I Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		263 L Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		263 R Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		263 T Misc. waste organic chemicals			
Waste Class: Waste Class Desc:		264 C Photoprocessing wastes			
Waste Class: Waste Class Desc:		264 T Photoprocessing wastes			
Waste Class: Waste Class Desc:		312 P Pathological wastes			
Waste Class: Waste Class Desc:		331 C Waste compressed gases including cylinders			
Waste Class: Waste Class Desc:		331 I Waste compressed gases including cylinders			

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WNW/16.4

62.9 / 0.00

CARLETON UNIVERSITY
1125 COLONEL BY DRIVE
OTTAWA ON K1S 5B6

GEN

Generator No:

ON0051100

PO Box No:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:				Country:	Canada
Approval Years:	2015			Choice of Contact:	CO_OFFICIAL
Contam. Facility:	No			Co Admin:	Tina Preseau
MHSW Facility:	No			Phone No Admin:	613-520-2600 Ext.3809
SIC Code:	611310				
SIC Description:		UNIVERSITIES			
<u>Detail(s)</u>					
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		262			
Waste Class Desc:		DETERGENTS/SOAPS			
Waste Class:		146			
Waste Class Desc:		OTHER SPECIFIED INORGANICS			
Waste Class:		121			
Waste Class Desc:		ALKALINE WASTES - HEAVY METALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		232			
Waste Class Desc:		POLYMERIC RESINS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		213			
Waste Class Desc:		PETROLEUM DISTILLATES			
Waste Class:		145			
Waste Class Desc:		PAINT/PIGMENT/COATING RESIDUES			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Waste Class: 222 Waste Class Desc: HEAVY FUELS Waste Class: 243 Waste Class Desc: PCBS Waste Class: 263 Waste Class Desc: ORGANIC LABORATORY CHEMICALS Waste Class: 253 Waste Class Desc: EMULSIFIED OILS Waste Class: 242 Waste Class Desc: HALOGENATED PESTICIDES Waste Class: 221 Waste Class Desc: LIGHT FUELS Waste Class: 261 Waste Class Desc: PHARMACEUTICALS					
2	87 of 125	WNW/16.4	62.9 / 0.00	Sports Medicine Clinic Carleton University 1125 Colonel By Dr Ottawa ON K1S 5B6	GEN
Generator No: ON8145235 Status: Approval Years: 2012 Contam. Facility: MHSW Facility: SIC Code: 621110 SIC Description: Offices of Physicians PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES Waste Class: 261 Waste Class Desc: PHARMACEUTICALS					
2	88 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	GEN
Generator No: ON3770520 Status: Approval Years: 2009 Contam. Facility: MHSW Facility: SIC Code: 621110 SIC Description: Offices of Physicians PO Box No: Country: Choice of Contact: Co Admin: Phone No Admin:					
<u>Detail(s)</u>					
Waste Class: 312 Waste Class Desc: PATHOLOGICAL WASTES					
2	89 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 09-070 1125 COLONEL BY DRIVE OTTAWA ON	GEN

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Generator No:	ON0051100			PO Box No:	
Status:				Country:	
Approval Years:	94			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8531				
SIC Description:		UNIVERSITY EDUCATION			
<u>Detail(s)</u>					
Waste Class:		263			
Waste Class Desc:		ORGANIC LABORATORY CHEMICALS			
Waste Class:		264			
Waste Class Desc:		PHOTOPROCESSING WASTES			
Waste Class:		269			
Waste Class Desc:		NON-HALOGENATED PESTICIDES			
Waste Class:		312			
Waste Class Desc:		PATHOLOGICAL WASTES			
Waste Class:		331			
Waste Class Desc:		WASTE COMPRESSED GASES			
Waste Class:		112			
Waste Class Desc:		ACID WASTE - HEAVY METALS			
Waste Class:		113			
Waste Class Desc:		ACID WASTE - OTHER METALS			
Waste Class:		122			
Waste Class Desc:		ALKALINE WASTES - OTHER METALS			
Waste Class:		148			
Waste Class Desc:		INORGANIC LABORATORY CHEMICALS			
Waste Class:		211			
Waste Class Desc:		AROMATIC SOLVENTS			
Waste Class:		212			
Waste Class Desc:		ALIPHATIC SOLVENTS			
Waste Class:		221			
Waste Class Desc:		LIGHT FUELS			
Waste Class:		222			
Waste Class Desc:		HEAVY FUELS			
Waste Class:		241			
Waste Class Desc:		HALOGENATED SOLVENTS			
Waste Class:		242			
Waste Class Desc:		HALOGENATED PESTICIDES			
Waste Class:		243			
Waste Class Desc:		PCB'S			
Waste Class:		251			
Waste Class Desc:		OIL SKIMMINGS & SLUDGES			
Waste Class:		252			
Waste Class Desc:		WASTE OILS & LUBRICANTS			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	90 of 125	WNW/16.4	62.9 / 0.00	Kone Inc. 1125 Colonel By Drive Ottawa ON K1S 5B6	GEN
Generator No:	ON6027439			PO Box No:	
Status:				Country:	
Approval Years:	02,03,04			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:					
SIC Description:					
<u>Detail(s)</u>					
Waste Class:	252				
Waste Class Desc:	WASTE OILS & LUBRICANTS				
2	91 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON	GEN
Generator No:	ON0051100			PO Box No:	
Status:				Country:	
Approval Years:	92,93,95,96,97,98,99,00,01,02,03,04,05,06,07,08			Choice of Contact:	
Contam. Facility:				Co Admin:	
MHSW Facility:				Phone No Admin:	
SIC Code:	8531				
SIC Description:	UNIVERSITY EDUCATION				
<u>Detail(s)</u>					
Waste Class:	253				
Waste Class Desc:	EMULSIFIED OILS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	121				
Waste Class Desc:	ALKALINE WASTES - HEAVY METALS				
Waste Class:	112				
Waste Class Desc:	ACID WASTE - HEAVY METALS				
Waste Class:	113				
Waste Class Desc:	ACID WASTE - OTHER METALS				
Waste Class:	122				
Waste Class Desc:	ALKALINE WASTES - OTHER METALS				
Waste Class:	145				
Waste Class Desc:	PAINT/PIGMENT/COATING RESIDUES				
Waste Class:	146				
Waste Class Desc:	OTHER SPECIFIED INORGANICS				
Waste Class:	148				
Waste Class Desc:	INORGANIC LABORATORY CHEMICALS				
Waste Class:	211				
Waste Class Desc:	AROMATIC SOLVENTS				

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
<i>Waste Class:</i> <i>Waste Class Desc:</i>		212 ALIPHATIC SOLVENTS			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		213 PETROLEUM DISTILLATES			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		221 LIGHT FUELS			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		222 HEAVY FUELS			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		241 HALOGENATED SOLVENTS			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		242 HALOGENATED PESTICIDES			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		243 PCB'S			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		251 OIL SKIMMINGS & SLUDGES			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		252 WASTE OILS & LUBRICANTS			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		254 TRANSFER STATION OILS WASTES			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		262 DETERGENTS/SOAPS			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		263 ORGANIC LABORATORY CHEMICALS			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		264 PHOTOPROCESSING WASTES			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		269 NON-HALOGENATED PESTICIDES			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		312 PATHOLOGICAL WASTES			
<i>Waste Class:</i> <i>Waste Class Desc:</i>		331 WASTE COMPRESSED GASES			

2 92 of 125 WNW/16.4 62.9 / 0.00 Carleton university
1125 Colonel By Drive GHG
Ottawa ON K1S5B6

GHG ID No:	G11745	Public Contact:	Scott Macdonald
Facility NPRI ID:		Pub Cont Phone:	6138521434
DUNS No:		Pub Cont Ext:	
Year:	2017	Pub Cont Email:	scott.macdonald@carleton.ca
Rprt Comp Legal Nm:	Carleton University	Pub Cont Mail Addr:	1125 Colonel By Drive
Rprt Comp Trade Nm:	Carleton University	Pub Cont City:	Ottawa
Rprt Comp Bus No:	118838937	Pub Cont Prov:	Ontario
Emission Factors:	Applicable	Pub Cont Postal Cd:	K1S 5B6
Engineer Estimates:	Not Applicable / Sans objet	Latitude:	45.38758
Mass Balance:	Not Applicable / Sans objet	Longitude:	-75.69602
GHG Emissions (kt):			
Total Emissions (tonnes CO2e):	17285.85404		
Monitoring or Direct Measure:	Not Applicable / Sans objet		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Facility GHG Data Link:		https://climate-change.canada.ca/facility-emissions/GHGRP-G11745-2017.html			
Public Contact Position:		Manager, Building Operations			
NAICS Name:		611310			
NAICS Code (English):		Universities			
NAICS Code (French):		Universités			
NAICS Data Link:		http://www23.statcan.gc.ca/imdb/p3VD.pl?Function=getVD&TV=307532&CVD=307548&CST=01012017&CLV=5&MLV=5&CPV=611310			
Facility Detail:		http://indicators-map.canada.ca/App/Detail?id=0111745&GoCTemplateCulture=en-CA			
<u>GHG Emission Details</u>					
CO2 tonnes:	17182			HFC-143 t CO2e:	0
CO2 tonnes CO2e:	17182			HFC-227ea tonnes:	0
CH4 tonnes:	0.34			HFC-227ea t CO2e:	0
CH4 tonnes CO2e:	8.5			HFC-236fa tonnes:	0
N2O tonnes:	0.31998			HFC-236fa t CO2e:	0
N2O tonnes CO2e:	95.35404			HFC-245ca tonnes:	0
HFC-23 tonnes:				HFC-245ca t CO2e:	0
HFC-23 tonnes CO2e:	0			HFC Total t Co2e:	0
HFC-32 tonnes:				CF4 tonnes:	0
HFC-32 tonnes CO2e:	0			CF4 tonnes CO2e:	0
HFC-125 tonnes:				C2F6 tonnes:	0
HFC-125 t CO2e:	0			C2F6 tonnes CO2e:	0
HFC-134a tonnes:				C3F8 tonnes:	0
HFC-134a t CO2e:	0			C3F8 tonnes CO2e:	0
HFC-143a tonnes:				C4F10 tonnes:	0
HFC-143a ton CO2e:	0			C4F10 tonnes CO2e:	0
HFC-152a tonnes:				C4F8 tonnes:	0
HFC-152a ton CO2e:	0			C4F8 tonnes CO2e:	0
HFC-41 tonnes:				C5F12 tonnes:	0
HFC-41 tonnes CO2e:	0			C5F12 tonnes CO2e:	0
HFC-43 10mee t:				C6F14 tonnes:	0
HFC-43 10mee t CO2:	0			C6F14 tonnes CO2e:	0
HFC-134 tonnes:				PFC Total t CO2e:	0
HFC-134 t CO2e:	0			SF6 tonnes:	0
HFC-143 tonnes:				SF6 tonnes CO2e:	0

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External File Num:		FS INC 0810-06537			
Fuel Occurrence Type:		Pipeline Strike			
Date of Occurrence:		10/17/2008			
Fuel Type Involved:		Natural Gas			
Status Desc:		Completed - Causal Analysis(End)			
Job Type Desc:		Incident/Near-Miss Occurrence (FS)			
Oper. Type Involved:		Construction Site (pipeline strike)			
Service Interruptions:		Yes			
Property Damage:		Yes			
Fuel Life Cycle Stage:		Transmission, Distribution and Transportation			
Root Cause:		Root Cause: Equipment/Material/Component:No Procedures:Yes Maintenance:No Design:Yes Training:No Management:Yes Human Factors:Yes			
Reported Details:					
Fuel Category:		Gaseous Fuel			
Occurrence Type:		Incident			
Affiliation:		Industry Stakeholder (Licensee/Registration/Certificate Holder, Facility Owner, etc.)			
County Name:		Ottawa			
Approx. Quant. Rel:					
Nearby body of water:					
Enter Drainage Syst.:					
Approx. Quant. Unit:					
Environmental Impact:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
2	94 of 125	WNW/16.4	62.9 / 0.00	1125 COLONEL BY DRIVE, OTTAWA ON	INC
Incident No: 1427168 Incident ID: Attribute Category: FS-Perform L1 Incident Insp Status Code: Incident Location: 1125 COLONEL BY DRIVE, OTTAWA - LEAK Drainage System: Sub Surface Contam.: Aff. Prop. Use Water: Contam. Migrated: Contact Natural Env.: Near Body of Water: Approx. Quant. Rel.: Equipment Model: Serial No: Residential App. Type: Commercial App. Type: Industrial App. Type: Institutional App. Type: Venting Type: Vent Connector Mater: Vent Chimney Mater: Pipeline Type: Pipeline Involved: Pipe Material: Depth Ground Cover: Regulator Location: Regulator Type: Operation Pressure: Liquid Prop Make: Liquid Prop Model: Liquid Prop Serial No: Equipment Type: Cylinder Capacity: Cylinder Capac. Units: Cylinder Material Type: Tank Capacity: Fuels Occurrence Type: Leak Fuel Type Involved: Diesel Date of Occurrence: 2014/07/02 00:00:00 Time of Occurrence: NULL Occur Insp Start Date: 2014/07/02 00:00:00 Any Health Impact: No Any Environmental Impact: No Was Service Interrupted: No Was Property Damaged: No Operation Type Involved: Institution (incl.hospital,school,government etc.) Enforcement Policy: NULL Prc Escalation Required: NULL Task No: 5083448 Notes: Occurrence Narrative: minor, weeping leaks at piping joints Tank Material Type: Tank Storage Type: Tank Location Type: Pump Flow Rate Capac: Liquid Prop Notes:					
2	95 of 125	WNW/16.4	62.9 / 0.00	1125 COLONEL BY DRIVE, OTTAWA ON	INC

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident No:		1361540			
Incident ID:					
Attribute Category:		FS-Perform L1 Incident Insp			
Status Code:					
Incident Location:		1125 COLONEL BY DRIVE, OTTAWA - LEAK			
Drainage System:					
Sub Surface Contam.:					
Aff. Prop. Use Water:					
Contam. Migrated:					
Contact Natural Env.:					
Near Body of Water:					
Approx. Quant. Rel.:					
Equipment Model:					
Serial No:					
Residential App. Type:					
Commercial App. Type:					
Industrial App. Type:					
Institutional App. Type:					
Venting Type:					
Vent Connector Mater:					
Vent Chimney Mater:					
Pipeline Type:					
Pipeline Involved:					
Pipe Material:					
Depth Ground Cover:					
Regulator Location:					
Regulator Type:					
Operation Pressure:					
Liquid Prop Make:					
Liquid Prop Model:					
Liquid Prop Serial No:					
Equipment Type:					
Cylinder Capacity:					
Cylinder Capac. Units:					
Cylinder Material Type:					
Tank Capacity:					
Fuels Occurrence Type:		Leak			
Fuel Type Involved:		Other Hydrocarbon Fuel			
Date of Occurrence:		2014/03/24 00:00:00			
Time of Occurrence:		NULL			
Occur Insp Start Date:		2014/03/24 00:00:00			
Any Health Impact:		Unknown			
Any Environmental Impact:		Yes			
Was Service Interrupted:		No			
Was Property Damaged:		Unknown			
Operation Type Involved:		Institution (incl.hospital,school,government etc.)			
Enforcement Policy:		NULL			
Prc Escalation Required:		NULL			
Task No:		4855683			
Notes:					
Occurrence Narrative:		Release of Bunker Fuel at tank sump. Unknown date of Incident or cause. University has no documentation.			
Tank Material Type:					
Tank Storage Type:					
Tank Location Type:					
Pump Flow Rate Capac:					
Liquid Prop Notes:					

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WNW/16.4

62.9 / 0.00

1125 COLONEL BY DRIVE, OTTAWA
ON

INC

Incident No:	1862794
Incident ID:	
Attribute Category:	FS-Perform L1 Incident Insp
Status Code:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Location:		1125 COLONEL BY DRIVE, OTTAWA - LEAK			
Drainage System:					
Sub Surface Contam.:					
Aff. Prop. Use Water:					
Contam. Migrated:					
Contact Natural Env.:					
Near Body of Water:					
Approx. Quant. Rel.:					
Equipment Model:					
Serial No:					
Residential App. Type:					
Commercial App. Type:					
Industrial App. Type:					
Institutional App. Type:					
Venting Type:					
Vent Connector Mater:					
Vent Chimney Mater:					
Pipeline Type:					
Pipeline Involved:					
Pipe Material:					
Depth Ground Cover:					
Regulator Location:					
Regulator Type:					
Operation Pressure:					
Liquid Prop Make:					
Liquid Prop Model:					
Liquid Prop Serial No:					
Equipment Type:					
Cylinder Capacity:					
Cylinder Capac. Units:					
Cylinder Material Type:					
Tank Capacity:					
Fuels Occurrence Type:		Leak			
Fuel Type Involved:		Fuel Oil			
Date of Occurrence:		2016/05/12 00:00:00			
Time of Occurrence:		12:00:00			
Occur Insp Start Date:		2016/05/13 00:00:00			
Any Health Impact:		No			
Any Environmental Impact:		Unknown			
Was Service Interrupted:		No			
Was Property Damaged:		Unknown			
Operation Type Involved:		Institution (incl.hospital,school,government etc.)			
Enforcement Policy:		NULL			
Prc Escalation Required:		NULL			
Task No:		6165386			
Notes:					
Occurrence Narrative:		sump pit with product			
Tank Material Type:					
Tank Storage Type:					
Tank Location Type:					
Pump Flow Rate Capac:					
Liquid Prop Notes:					

2	97 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE BUILDING SERVICES Ottawa ON	NPCB
Company Code:		O0180			
Industry:		School/Care/Facility			
Site Status:		Stored for Disposal			
Transaction Date:		10/8/1993			
Inspection Date:		10/8/1993			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Label:					
Serial No.:					
PCB Type/Code:		Askarel/Askarel			
Location:		IN STORAGE			
Item/State:					
No. of Items:					
Manufacturer:		Stored for disposal			
Status:					
Contents:					
Label:					
Serial No.:					
PCB Type/Code:		Askarel/Askarel			
Location:		BUILDING 17			
Item/State:					
No. of Items:					
Manufacturer:		In-Use			
Status:					
Contents:					
Label:					
Serial No.:					
PCB Type/Code:		Askarel/Askarel			
Location:		BUILDING 20			
Item/State:					
No. of Items:					
Manufacturer:		In-Use			
Status:					
Contents:					
Label:					
Serial No.:					
PCB Type/Code:		Askarel/Askarel			
Location:		BUILDING 7			
Item/State:					
No. of Items:					
Manufacturer:		In-Use			
Status:					
Contents:					
2	98 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DR BUILDING SERVICES OTTAWA ON K1S 5B6	NPCB
Company Code:		O0180			
Industry:		SCHOOL/CARE/FACILITY			
Site Status:		INSPECTED SITES (NON FEDERAL)			
Transaction Date:		3/9/1993			
Inspection Date:		10/8/1983			
--Details--					
Label:					
Serial No.:					
PCB Type/Code:		OR23582			
Location:		QB218			
Item/State:		ASKAREL/ASKAREL			
No. of Items:		IN STORAGE			
Manufacturer:		TRANSFORMER/FULL			
Status:		1			
Contents:		FOSTER			
Label:		STORED FOR DISPOSAL			
Serial No.:		1741 L			
PCB Type/Code:		OR23589			

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Serial No.:		2133-1			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:		IN STORAGE			
Item/State:		TRANSFORMER/FULL			
No. of Items:		1			
Manufacturer:		POWERLIFE			
Status:		STORED FOR DISPOSAL			
Contents:		935 L			
Label:		OR23586			
Serial No.:		2-300689			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:		BUILDING 7			
Item/State:		TRANSFORMER/FULL			
No. of Items:		1			
Manufacturer:		FERRANTI			
Status:		IN-USE			
Contents:		935 L			
Label:		OR23585			
Serial No.:		2-300688			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:		BUILDING 7			
Item/State:		TRANSFORMER/FULL			
No. of Items:		1			
Manufacturer:		FERRANTI			
Status:		IN-USE			
Contents:		935 L			
Label:		OR23584			
Serial No.:		SM64985			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:		IN STORAGE			
Item/State:		TRANSFORMER/FULL			
No. of Items:		1			
Manufacturer:		WESTINGHOUSE			
Status:		STORED FOR DISPOSAL			
Contents:		935 L			
Label:		OR23583			
Serial No.:		SM64046			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:		IN STORAGE			
Item/State:		TRANSFORMER/FULL			
No. of Items:		1			
Manufacturer:		WESTINGHOUSE MANUFACTURE DATE: 1972-01-01			
Status:		STORED FOR DISPOSAL			
Contents:		935 L			
Label:		OR23588			
Serial No.:		2137-1			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:		BUILDING 20			
Item/State:		TRANSFORMER/FULL			
No. of Items:		1			
Manufacturer:		PIONEER			
Status:		IN-USE			
Contents:		935 L			
Label:		OR23587			
Serial No.:		A-31-S0272			
PCB Type/Code:		ASKAREL/ASKAREL			
Location:		BUILDING 17			
Item/State:		TRANSFORMER/FULL			
No. of Items:		1			
Manufacturer:		WESTINGHOUSE			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:		IN-USE			
Contents:		1239 L			

2	99 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NPRI
NPRI ID:	10602			Org ID:	41617
Other ID:	N			Submit Date:	8/10/2005
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	32463			Contact ID:	130389
Report ID:	92426			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	CHRIS
Report Year:	2004			Cont Last Name:	WHITE
Not-Current Rpt?:	No			Contact Position:	MANAGER OF ENVIRONMENTAL HEALTH & SAFETY
Yr of Last Filed Rpt:	2008			Contact Fax:	6135202122
Fac ID:	153290			Contact Ph.:	6135201600
Fac Name:	CARLETON UNIVERSITY			Cont Area Code:	613
Fac Address1:	1125 COLONEL BY DRIVE			Contact Tel.:	35201600
Fac Address2:	NOT AVAILABLE			Contact Ext.:	38091
Fac Postal Zip:	K1S5B6			Cont Fax Area Cde:	613
Facility Lat:	45.3854			Contact Fax:	35202122
Facility Long:	-75.6961			Contact Email:	CHRIS_WHITE@CARLETON.CA
DLS (Last Filed Rpt):				Latitude:	45.3854
Facility DLS:				Longitude:	-75.6961
Datum:	1983			UTM Zone:	
Facility Cmnts:	True			UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	18450			Waste Streams:	False
Parent Co.:	N			No Streams:	
No Parent Co.:				Waste Off Sites:	False
Pollut Prev Cmnts:	True			No Off Sites:	
Stacks:	No			Shutdown:	
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	61				
NAICS 2 Description:	Educational services				
NAICS Code (4 digit):	6113				
NAICS 4 Description:	Universities				
NAICS Code (6 digit):	611310				
NAICS 6 Description:	Universities				

Substance Release Report

Category Type ID:	13
Category Type Desc:	All Media
Category Type Desc (fr):	Rejets à tous les médias
Grouping:	Total All Media<1t
Trans Code:	
Chem:	PM2.5 - Particulate Matter <= 2.5 Microns
Chem (fr):	PM2,5 - Matière particulaire <= 2,5 microns
Quantity:	.476
Unit:	tonnes
Basis of Estimate Cd:	
Basis of Estimate Desc:	

Category Type ID:	13
Category Type Desc:	All Media

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Category Type Desc (fr):		Rejets à tous les médias			
Grouping:		Total All Media<1t			
Trans Code:					
Chem:		PM10 - Particulate Matter <= 10 Microns			
Chem (fr):		PM10 - Matière particulaire <= 10 microns			
Quantity:		.557			
Unit:		tonnes			
Basis of Estimate Cd:					
Basis of Estimate Desc:					
Category Type ID:		1			
Category Type Desc:		Stack / Point			
Category Type Desc (fr):		Rejets de cheminée ou ponctuels			
Grouping:		Total Air			
Trans Code:		ASta			
Chem:		Oxides of nitrogen (expressed as NO)			
Chem (fr):		Oxyde d'azote (exprimés en NO)			
Quantity:		18.476			
Unit:		tonnes			
Basis of Estimate Cd:		E2			
Basis of Estimate Desc:		E2- Published Emission Factors - In use from 2003 and onward			
Category Type ID:		1			
Category Type Desc:		Stack / Point			
Category Type Desc (fr):		Rejets de cheminée ou ponctuels			
Grouping:		Total Air			
Trans Code:		ASta			
Chem:		Nitrogen oxides (expressed as NO2)			
Chem (fr):		Oxydes d'azote (exprimés en NO2)			
Quantity:		28.329			
Unit:		tonnes			
Basis of Estimate Cd:		E2			
Basis of Estimate Desc:		E2- Published Emission Factors - In use from 2003 and onward			

<u>2</u>	100 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NPRI
NPRI ID:	10602			Org ID:	41617
Other ID:	N			Submit Date:	5/29/2008
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	55010			Contact ID:	215748
Report ID:	113300			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	STEPHANIE
Report Year:	2007			Cont Last Name:	YOURTH
Not-Current Rpt?:	No			Contact Position:	MANAGER OF ENVIRONMENTAL HEALTH & SAFETY
Yr of Last Filed Rpt:	2008			Contact Fax:	6135202122
Fac ID:	153290			Contact Ph.:	6135201600
Fac Name:	CARLETON UNIVERSITY			Cont Area Code:	613
Fac Address1:	1125 COLONEL BY DRIVE			Contact Tel.:	35201600
Fac Address2:	NOT AVAILABLE			Contact Ext.:	3809
Fac Postal Zip:	K1S5B6			Cont Fax Area Cde:	613
Facility Lat:	45.3854			Contact Fax:	35202122
Facility Long:	-75.6961			Contact Email:	STEPHANIE_YOURTH@CARLETON.CA
DLS (Last Filed Rpt):				Latitude:	45.3854
Facility DLS:				Longitude:	-75.6961
Datum:	1983			UTM Zone:	
Facility Cmnts:	False			UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	18450			Waste Streams:	True?
Parent Co.:	N			No Streams:	
No Parent Co.:				Waste Off Sites:	True?
Pollut Prev Cmnts:	False			No Off Sites:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Stacks: True				Shutdown:	
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):		61			
NAICS 2 Description:		Educational services			
NAICS Code (4 digit):		6113			
NAICS 4 Description:		Universities			
NAICS Code (6 digit):		611310			
NAICS 6 Description:		Universities			
<u>Substance Release Report</u>					
Category Type ID:		1			
Category Type Desc:		Stack / Point			
Category Type Desc (fr):		Rejets de cheminée ou ponctuels			
Grouping:		Total Air			
Trans Code:		ASta			
Chem:		Nitrogen oxides (expressed as NO2)			
Chem (fr):		Oxydes d'azote (exprimés en NO2)			
Quantity:		23.847			
Unit:		tonnes			
Basis of Estimate Cd:		E2			
Basis of Estimate Desc:		E2- Published Emission Factors - In use from 2003 and onward			
Category Type ID:		1			
Category Type Desc:		Stack / Point			
Category Type Desc (fr):		Rejets de cheminée ou ponctuels			
Grouping:		Total Air			
Trans Code:		ASta			
Chem:		PM10 - Particulate Matter <= 10 Microns			
Chem (fr):		PM10 - Matière particulaire <= 10 microns			
Quantity:		1.014			
Unit:		tonnes			
Basis of Estimate Cd:		E2			
Basis of Estimate Desc:		E2- Published Emission Factors - In use from 2003 and onward			
Category Type ID:		13			
Category Type Desc:		All Media			
Category Type Desc (fr):		Rejets à tous les médias			
Grouping:		Total All Media<1t			
Trans Code:					
Chem:		PM2.5 - Particulate Matter <= 2.5 Microns			
Chem (fr):		PM2,5 - Matière particulaire <= 2,5 microns			
Quantity:		.784			
Unit:		tonnes			
Basis of Estimate Cd:					
Basis of Estimate Desc:					

2	101 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE MAINTENANCE BUILDING OTTAWA ON K1S5B6	NPRI
NPRI ID:	10602			Org ID:	41617
Other ID:	*			Submit Date:	8/26/2005
No Other ID:	0			Last Modified:	5/29/2015 3:28:24 PM
Track ID:	32540			Contact ID:	130390
Report ID:	164530			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	CHRIS
Report Year:	2002			Cont Last Name:	WHITE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Not-Current Rpt?:	No			Contact Position:	MANAGER OF ENVIRONMENTAL HEALTH AND SAFETY
Yr of Last Filed Rpt:	2008			Contact Fax:	6135202122
Fac ID:	153292			Contact Ph.:	6135201600
Fac Name:	CARLETON UNIVERSITY CAMPUS			Cont Area Code:	613
Fac Address1:	1125 COLONEL BY DRIVE			Contact Tel.:	35201600
Fac Address2:	MAINTENANCE BUILDING			Contact Ext.:	3809
Fac Postal Zip:	K1S5B6			Cont Fax Area Cde:	613
Facility Lat:	45.3854			Contact Fax:	35202122
Facility Long:	-75.6961			Contact Email:	CHRIS_WHITE@CARLETON.CA
DLS (Last Filed Rpt):				Latitude:	45.3854
Facility DLS:				Longitude:	-75.6961
Datum:	1983			UTM Zone:	
Facility Cmnts:	False			UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	18450			Waste Streams:	False
Parent Co.:	*			No Streams:	0
No Parent Co.:	1			Waste Off Sites:	False
Pollut Prev Cmnts:	False			No Off Sites:	0
Stacks:	False			Shutdown:	False
No of Stacks:				No of Shutdown:	0
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	61				
NAICS 2 Description:	Educational services				
NAICS Code (4 digit):	6113				
NAICS 4 Description:	Universities				
NAICS Code (6 digit):	611310				
NAICS 6 Description:	Universities				
<u>Substance Release Report</u>					
Category Type ID:	1				
Category Type Desc:	Stack / Point				
Category Type Desc (fr):	Rejets de cheminée ou ponctuels				
Grouping:	Total Air				
Trans Code:	ASta				
Chem:	PM10 - Particulate Matter <= 10 Microns				
Chem (fr):	PM10 - Matière particulaire <= 10 microns				
Quantity:	.585				
Unit:	tonnes				
Basis of Estimate Cd:	E E2				
Basis of Estimate Desc:	E- Emission Factor - In use from 1994 to 2002 ; E2- Published Emission Factors - In use from 2003 and onward				
Category Type ID:	1				
Category Type Desc:	Stack / Point				
Category Type Desc (fr):	Rejets de cheminée ou ponctuels				
Grouping:	Total Air				
Trans Code:	ASta				
Chem:	PM2.5 - Particulate Matter <= 2.5 Microns				
Chem (fr):	PM2,5 - Matière particulaire <= 2,5 microns				
Quantity:	.488				
Unit:	tonnes				
Basis of Estimate Cd:	E E2				
Basis of Estimate Desc:	E- Emission Factor - In use from 1994 to 2002 ; E2- Published Emission Factors - In use from 2003 and onward				
2	102 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE MAINTENANCE BUILDING OTTAWA ON K1S5B6	NPRI
NPRI ID:	10602			Org ID:	41617

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Other ID:	*			Submit Date:	5/31/2004
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	75549			Contact ID:	130391
Report ID:	156071			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	CHRIS
Report Year:	2003			Cont Last Name:	WHITE
Not-Current Rpt?:	No			Contact Position:	MANAGER OF ENVIRONMENTAL HEALTH AND SAFETY
Yr of Last Filed Rpt:	2008			Contact Fax:	6135202122
Fac ID:	153292			Contact Ph.:	6135202600
Fac Name:	CARLETON UNIVERSITY CAMPUS			Cont Area Code:	613
Fac Address1:	1125 COLONEL BY DRIVE			Contact Tel.:	35202600
Fac Address2:	MAINTENANCE BUILDING			Contact Ext.:	38091
Fac Postal Zip:	K1S5B6			Cont Fax Area Cde:	613
Facility Lat:	45.3854			Contact Fax:	35202122
Facility Long:	-75.6961			Contact Email:	CHRIS_WHITE@CARLETON.CA
DLS (Last Filed Rpt):				Latitude:	45.3854
Facility DLS:				Longitude:	-75.6961
Datum:	1983			UTM Zone:	
Facility Cmnts:	False			UTM Northing:	
URL:				UTM Easting:	
No of Empl.:	18450			Waste Streams:	True?
Parent Co.:	*			No Streams:	
No Parent Co.:	1			Waste Off Sites:	False
Pollut Prev Cmnts:	False			No Off Sites:	
Stacks:	True			Shutdown:	True
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	61				
NAICS 2 Description:	Educational services				
NAICS Code (4 digit):	6113				
NAICS 4 Description:	Universities				
NAICS Code (6 digit):	611310				
NAICS 6 Description:	Universities				
<u>Substance Release Report</u>					
Category Type ID:	1				
Category Type Desc:	Stack / Point				
Category Type Desc (fr):	Rejets de cheminée ou ponctuels				
Grouping:	Total Air				
Trans Code:	ASta				
Chem:	Sulphur dioxide				
Chem (fr):	Dioxyde de soufre				
Quantity:	37.739				
Unit:	tonnes				
Basis of Estimate Cd:	E2				
Basis of Estimate Desc:	E2- Published Emission Factors - In use from 2003 and onward				
Category Type ID:	1				
Category Type Desc:	Stack / Point				
Category Type Desc (fr):	Rejets de cheminée ou ponctuels				
Grouping:	Total Air				
Trans Code:	ASta				
Chem:	Nitrogen oxides (expressed as NO2)				
Chem (fr):	Oxydes d'azote (exprimés en NO2)				
Quantity:	43.339				
Unit:	tonnes				
Basis of Estimate Cd:	E2				
Basis of Estimate Desc:	E2- Published Emission Factors - In use from 2003 and onward				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Category Type ID: 1 Category Type Desc: Stack / Point Category Type Desc (fr): Rejets de cheminée ou ponctuels Grouping: Total Air Trans Code: ASta Chem: PM2.5 - Particulate Matter <= 2.5 Microns Chem (fr): PM2,5 - Matière particulaire <= 2,5 microns Quantity: 2.74 Unit: tonnes Basis of Estimate Cd: E2 Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward					
Category Type ID: 1 Category Type Desc: Stack / Point Category Type Desc (fr): Rejets de cheminée ou ponctuels Grouping: Total Air Trans Code: ASta Chem: PM10 - Particulate Matter <= 10 Microns Chem (fr): PM10 - Matière particulaire <= 10 microns Quantity: 3.415 Unit: tonnes Basis of Estimate Cd: E2 Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward					
2	103 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NPRI
NPRI ID: 10602 Other ID: N No Other ID: Track ID: 43856 Report ID: 103557 Report Type: NPRI Rpt Type ID: 1 Report Year: 2006 Not-Current Rpt?: No Yr of Last Filed Rpt: 2008 Fac ID: 153290 Fac Name: CARLETON UNIVERSITY Fac Address1: 1125 COLONEL BY DRIVE Fac Address2: NOT AVAILABLE Fac Postal Zip: K1S5B6 Facility Lat: 45.3854 Facility Long: -75.6961 DLS (Last Filed Rpt): Facility DLS: Datum: 1983 Facility Cmnts: False URL: No of Empl.: 18450 Parent Co.: N No Parent Co.: Pollut Prev Cmnts: False Stacks: True No of Stacks: Canadian SIC Code (2 digit): Canadian SIC Code: SIC Code Description: American SIC Code: NAICS Code (2 digit): 61 NAICS 2 Description: Educational services NAICS Code (4 digit): 6113 NAICS 4 Description: Universities					
Org ID: 41617 Submit Date: 5/23/2007 Last Modified: 5/29/2015 3:28:24 PM Contact ID: 215748 Cont Type: MED Contact Title: Cont First Name: STEPHANIE Cont Last Name: YOURTH Contact Position: MANAGER OF ENVIRONMENTAL HEALTH & SAFETY Contact Fax: 6135202122 Contact Ph.: 6135201600 Cont Area Code: 613 Contact Tel.: 35201600 Contact Ext.: 3809 Cont Fax Area Cde: 613 Contact Fax: 35202122 Contact Email: STEPHANIE_YOURTH@CARLETON.CA Latitude: 45.3854 Longitude: -75.6961 UTM Zone: UTM Northing: UTM Easting: Waste Streams: True? No Streams: Waste Off Sites: False No Off Sites: Shutdown: No of Shutdown:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
NAICS Code (6 digit):		611310			
NAICS 6 Description:		Universities			
<u>Substance Release Report</u>					
Category Type ID:		13			
Category Type Desc:		All Media			
Category Type Desc (fr):		Rejets à tous les médias			
Grouping:		Total All Media<1t			
Trans Code:					
Chem:		PM2.5 - Particulate Matter <= 2.5 Microns			
Chem (fr):		PM2,5 - Matière particulaire <= 2,5 microns			
Quantity:		.412			
Unit:		tonnes			
Basis of Estimate Cd:					
Basis of Estimate Desc:					
Category Type ID:		1			
Category Type Desc:		Stack / Point			
Category Type Desc (fr):		Rejets de cheminée ou ponctuels			
Grouping:		Total Air			
Trans Code:		ASta			
Chem:		Nitrogen oxides (expressed as NO2)			
Chem (fr):		Oxydes d'azote (exprimés en NO2)			
Quantity:		21.099			
Unit:		tonnes			
Basis of Estimate Cd:		E2			
Basis of Estimate Desc:		E2- Published Emission Factors - In use from 2003 and onward			

<u>2</u>	104 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NPRI
NPRI ID:	10602	Org ID:	41617		
Other ID:	N	Submit Date:	6/1/2006		
No Other ID:		Last Modified:	5/29/2015 3:28:24 PM		
Track ID:	39989	Contact ID:	215748		
Report ID:	94836	Cont Type:	MED		
Report Type:	NPRI	Contact Title:			
Rpt Type ID:	1	Cont First Name:	STEPHANIE		
Report Year:	2005	Cont Last Name:	YOURTH		
Not-Current Rpt?:	No	Contact Position:	MANAGER OF ENVIRONMENTAL HEALTH & SAFETY		
Yr of Last Filed Rpt:	2008	Contact Fax:	6135202122		
Fac ID:	153290	Contact Ph.:	6135201600		
Fac Name:	CARLETON UNIVERSITY	Cont Area Code:	613		
Fac Address1:	1125 COLONEL BY DRIVE	Contact Tel.:	35201600		
Fac Address2:	NOT AVAILABLE	Contact Ext.:	3809		
Fac Postal Zip:	K1S5B6	Cont Fax Area Cde:	613		
Facility Lat:	45.3854	Contact Fax:	35202122		
Facility Long:	-75.6961	Contact Email:	STEPHANIE_YOURTH@CARLETON.CA		
DLS (Last Filed Rpt):		Latitude:	45.3854		
Facility DLS:		Longitude:	-75.6961		
Datum:	1983	UTM Zone:			
Facility Cmnts:	False	UTM Northing:			
URL:		UTM Easting:			
No of Empl.:	18450	Waste Streams:	False		
Parent Co.:	N	No Streams:			
No Parent Co.:		Waste Off Sites:	False		
Pollut Prev Cmnts:	False	No Off Sites:			
Stacks:	False	Shutdown:			
No of Stacks:		No of Shutdown:			
Canadian SIC Code (2 digit):					
Canadian SIC Code:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit): 61					
NAICS 2 Description: Educational services					
NAICS Code (4 digit): 6113					
NAICS 4 Description: Universities					
NAICS Code (6 digit): 611310					
NAICS 6 Description: Universities					
<u>Substance Release Report</u>					
Category Type ID: 13					
Category Type Desc: All Media					
Category Type Desc (fr): Rejets à tous les médias					
Grouping: Total All Media<1t					
Trans Code:					
Chem: PM2.5 - Particulate Matter <= 2.5 Microns					
Chem (fr): PM2,5 - Matière particulaire <= 2,5 microns					
Quantity: .8					
Unit: tonnes					
Basis of Estimate Cd:					
Basis of Estimate Desc:					
Category Type ID: 1					
Category Type Desc: Stack / Point					
Category Type Desc (fr): Rejets de cheminée ou ponctuels					
Grouping: Total Air					
Trans Code: ASta					
Chem: Nitrogen oxides (expressed as NO2)					
Chem (fr): Oxydes d'azote (exprimés en NO2)					
Quantity: 23.198					
Unit: tonnes					
Basis of Estimate Cd: E2					
Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward					
Category Type ID: 1					
Category Type Desc: Stack / Point					
Category Type Desc (fr): Rejets de cheminée ou ponctuels					
Grouping: Total Air					
Trans Code: ASta					
Chem: PM10 - Particulate Matter <= 10 Microns					
Chem (fr): PM10 - Matière particulaire <= 10 microns					
Quantity: 1.043					
Unit: tonnes					
Basis of Estimate Cd: E2					
Basis of Estimate Desc: E2- Published Emission Factors - In use from 2003 and onward					
2	105 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	OPCB
Year: 2003					
Site Number: 40288A214					
Name Owner:					
Additional Site Information:					
2	106 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr. Ottawa ON K1S 5B6	OPCB
Year: 2013					
Site Number: 40288A214					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Name Owner: Additional Site Information:		Carleton University			
2	107 of 125	WNW/16.4	62.9 / 0.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE OTTAWA ON K1S 5B6	OPCB
Year: Site Number: Name Owner: Additional Site Information:		2004 40288A214 Carleton University			
2	108 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Dr. Ottawa ON K1S 5B6	OPCB
Year: Site Number: Name Owner: Additional Site Information:		2012 40288A214 Carleton University			
2	109 of 125	WNW/16.4	62.9 / 0.00	Charlatan Publications Inc. - The Charlatan 1125 Colonel By Dr Rm 531 Unicentre Carleton Univ Ottawa ON	SCT
Established: Plant Size (ft²): Employment:		1945 16			
2	110 of 125	WNW/16.4	62.9 / 0.00	Centretown News - Ottawa 1125 Colonel By Dr Ottawa ON K1S 5B6	SCT
Established: Plant Size (ft²): Employment:		01-AUG-75 			
--Details-- Description: SIC/NAICS Code:		Newspaper Publishers 511110			
2	111 of 125	WNW/16.4	62.9 / 0.00	Pearson Peacekeeping Centre 1125 Colonel By Dr Suite 5110 Ottawa ON K1S 5B6	SCT
Established: Plant Size (ft²): Employment:		01-DEC-94 			
--Details-- Description: SIC/NAICS Code:		Technical and Trade Schools 611510			
Description:		Business Associations			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
SIC/NAICS Code:		813910			
Description:		Social Advocacy Organizations			
SIC/NAICS Code:		813310			
2	112 of 125	WNW/16.4	62.9 / 0.00	Match Point - Cdn Table Tennis 1125 Colonel By Dr Suite 2800 Ottawa ON K1S 5B6	SCT
Established:					
Plant Size (ft²):		5			
Employment:					
--Details--					
Description:		Periodical Publishers			
SIC/NAICS Code:		511120			
2	113 of 125	WNW/16.4	62.9 / 0.00	The Charlatan 1125 Colonel By Dr Room 531 Ottawa ON K1S 5B6	SCT
Established:		01-AUG-45			
Plant Size (ft²):					
Employment:					
--Details--					
Description:		Newspaper Publishers			
SIC/NAICS Code:		511110			
2	114 of 125	WNW/16.4	62.9 / 0.00	CHARLATAN PUBLICATIONS INC. 1125 COLONEL BY DR RM 531 UNICENTRE CARLETON UNIV OTTAWA ON K1S 5B6	SCT
Established:		1945			
Plant Size (ft²):		0			
Employment:		16			
--Details--					
Description:		NEWSPAPERS: PUBLISHING, OR PUBLISHING AND PRINTING			
SIC/NAICS Code:		2711			
Description:		TYPESETTING			
SIC/NAICS Code:		2791			
Description:		Newspaper Publishers			
SIC/NAICS Code:		511110			
2	115 of 125	WNW/16.4	62.9 / 0.00	NEADS Newsletter 1125 Colonel By Dr 4th Level Unicentre Ottawa ON K1S 5B6	SCT
Established:					
Plant Size (ft²):					
Employment:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
--Details--					
Description:		Periodical Publishers			
SIC/NAICS Code:		511120			
<u>2</u>	116 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	SPL
Ref No:	2476-65JNR2			Discharger Report:	
Site No:				Material Group:	Gases/Particulate
Incident Dt:	10/7/2004			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Pipe Or Hose Leak			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	Eastern
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:	Air Pollution; Human Health/Safety			Site Lot:	
Receiving Medium:	Air			Site Conc:	
Receiving Env:				Northing:	NA
MOE Response:				Easting:	NA
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	10/7/2004			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	M.C.B.S. - Fuel Safety; Spill to Air
Incident Reason:	Equipment Failure			Source Type:	
Site Name:	1125 COLONEL BY DRIVE				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Carleton U, Gym & Rec Ctr, nat'l gas leak, evac.				
Contaminant Qty:					

<u>2</u>	117 of 125	WNW/16.4	62.9 / 0.00	R. W. Tomlinson Limited<UNOFFICIAL> 1125 Colonel By Drive Ottawa ON K1S 5B6	SPL
Ref No:	1050-8KNKHZ			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	8/12/2011			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Pipe Or Hose Leak			Sector Type:	Motor Vehicle
Incident Event:				Agency Involved:	
Contaminant Code:	15			Nearest Watercourse:	
Contaminant Name:	HYDRAULIC OIL			Site Address:	1125 Colonel By Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	No Field Response			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	8/12/2011			Site Map Datum:	
Dt Document Closed:	11/22/2011			SAC Action Class:	Land Spills
Incident Reason:	Spill			Source Type:	
Site Name:	1125 Colonel By Drive<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Summary:		RW Tomlinson: 19 L hydraulic fluid to road and CB			
Contaminant Qty:		19 L			
<u>2</u>	118 of 125	WNW/16.4	62.9 / 0.00	Enbridge Gas Distribution Inc. 1125 Colonel By Dr Ottawa ON K1S 5B6	SPL
Ref No:	3443-A3SN2P			Discharger Report:	
Site No:	9708-63SRUP			Material Group:	
Incident Dt:	10/30/2015			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Industrial
Incident Event:				Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	1125 Colonel By Dr
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	K1S 5B6
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	NA
MOE Response:	No			Easting:	NA
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	NA
MOE Reported Dt:	10/30/2015			Site Map Datum:	NA
Dt Document Closed:	11/6/2015			SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Operator/Human Error			Source Type:	
Site Name:	Carleton University - MacKenzie Building				
Site County/District:					
Site Geo Ref Meth:	NA				
Incident Summary:	TSSA- 2 inch plastic line damage, on-going				
Contaminant Qty:	0 other - see incident description				
<u>2</u>	119 of 125	WNW/16.4	62.9 / 0.00	S 21 (1)(f) of FIPPA 1125 Colonel By Dr Ottawa ON K1S 5B6	SPL
Ref No:	1151-86QR2E			Discharger Report:	
Site No:				Material Group:	
Incident Dt:				Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Discharge Or Bypass To A Watercourse			Sector Type:	Other
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:				Site Address:	
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Confirmed			Site Municipality:	
Nature of Impact:	Surface Water Pollution			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	NA
MOE Response:				Easting:	NA
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	6/24/2010			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Pollution Incident Reports (PIRs) and ¿Other¿ calls
Incident Reason:	Equipment Failure - Malfunction of system components			Source Type:	
Site Name:	Carleton University ¿ MacKenzie Building				
Site County/District:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Site Geo Ref Meth:					
Incident Summary: Carleton University-cross contamination storm and raw sewage					
Contaminant Qty:					
2	120 of 125	WNW/16.4	62.9 / 0.00	Enbridge Gas Distribution Inc. 1125 Colonel By Drive Ottawa ON K1S 5B6	SPL
Ref No:	1366-8F6NWS			Discharger Report:	
Site No:				Material Group:	
Incident Dt:	3/21/2011			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Unknown			Sector Type:	Pipeline
Incident Event:				Agency Involved:	
Contaminant Code:	35			Nearest Watercourse:	
Contaminant Name:	NATURAL GAS (METHANE)			Site Address:	1125 Colonel By Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	Referral to others			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	3/21/2011			Site Map Datum:	
Dt Document Closed:	3/25/2011			SAC Action Class:	TSSA - Fuel Safety Branch
Incident Reason:	Unknown - Reason not determined			Source Type:	
Site Name:	1125 Colonel By Drive<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	TSSA - Pipeline Strike - Carleton University				
Contaminant Qty:	0 other - see incident description				

2	121 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel by Drive Ottawa ON	SPL
Ref No:	3460-9TMQAS			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2/11/2015			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Leak/Break			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:	38			Nearest Watercourse:	
Contaminant Name:	REFRIGERANT GAS, N.O.S.			Site Address:	1125 Colonel by Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:	Air			Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:				Northing:	
MOE Response:	N			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2/11/2015			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Air Spills - Gases and Vapours
Incident Reason:	Unknown / N/A			Source Type:	
Site Name:	Tory Building - Carleton University<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	215lbs of Refrigerant HFC1341 to ATM				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:		215 lb			
2	122 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	SPL
Ref No:	2338-5YRLXQ			Discharger Report:	
Site No:				Material Group:	Chemical
Incident Dt:	5/7/2004			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Overflow (Tanks Lagoons)			Sector Type:	
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:	Mix Solvents (ethyl acetate, chloroform, acetone and hexane)			Site Address:	
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	Eastern
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:	Other Impact(s)			Site Lot:	
Receiving Medium:	Water			Site Conc:	
Receiving Env:				Northing:	NA
MOE Response:				Easting:	NA
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	5/7/2004			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Spills
Incident Reason:	Unknown - Reason not determined			Source Type:	
Site Name:	1125 COLONEL BY DRIVE				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Carleton University-3 L of mix solvents to drain.				
Contaminant Qty:	3 L				
2	123 of 125	WNW/16.4	62.9 / 0.00	Enbridge Gas <UNOFFICIAL> 1125 Colonel Drive Ottawa ON	SPL
Ref No:	7713-6FLQ9H			Discharger Report:	0
Site No:				Material Group:	Gases/Particulate
Incident Dt:	8/25/2005			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Discharge or Emission to Air			Sector Type:	Other
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:	METHANE GAS, COMPRESSED (NATURAL GAS)			Site Address:	
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Possible			Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:	Air			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	8/25/2005			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Spills to Air - gases and vapours
Incident Reason:	Negligence (Apparent) - Caused by lack of diligence			Source Type:	
Site Name:	Carleton University <UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Incident Summary:		Carleton University: Gas line rupture/Evac			
Contaminant Qty:		30000			
2	124 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	SPL
Ref No:	3355-AETPBX			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	10/17/2016			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Industrial
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	38			Nearest Watercourse:	
Contaminant Name:	REFRIGERANT GAS, N.O.S.			Site Address:	1125 Colonel By Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Air			Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	10/17/2016			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Air Spills - Gases and Vapours
Incident Reason:	Equipment Failure			Source Type:	
Site Name:	Carleton University - Vsin Building<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Carleton University: 113 kg of R134 to atmosphere				
Contaminant Qty:	0 other - see incident description				
2	125 of 125	WNW/16.4	62.9 / 0.00	Carleton University 1125 Colonel By Drive Ottawa ON	SPL
Ref No:	0652-A9VLXK			Discharger Report:	
Site No:	NA			Material Group:	
Incident Dt:	2016/05/12			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:				Sector Type:	Miscellaneous Communal
Incident Event:	Leak/Break			Agency Involved:	
Contaminant Code:	13			Nearest Watercourse:	
Contaminant Name:	FUEL OIL			Site Address:	1125 Colonel By Drive
Contaminant Limit 1:				Site District Office:	
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:				Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:				Site Conc:	
Receiving Env:	Land			Northing:	
MOE Response:	No			Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	2016/05/12			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Incident Reason:	Equipment Failure			Source Type:	
Site Name:	Carleton University<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	Carleton Univ: leaky UG diesel fuel sump tank				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Contaminant Qty:		0 other - see incident description			

<u>3</u>	1 of 1	SSW/29.8	63.8 / 0.97	ON	BORE
Borehole ID:	612947			Inclin FLG:	No
OGF ID:	215514253			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	MAY-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.387654
Total Depth m:	11.1			Longitude DD:	-75.697853
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445371
Drill Method:				Northing:	5026252
Orig Ground Elev m:	63.6			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	63.4				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218393098			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL.				
Geology Stratum ID:	218393099			Mat Consistency:	
Top Depth:	.3			Material Moisture:	
Bottom Depth:	.8			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL.				
Geology Stratum ID:	218393101			Mat Consistency:	Stiff
Top Depth:	3			Material Moisture:	
Bottom Depth:	5.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. BROWN,GREY,STIFF.				
Geology Stratum ID:	218393102			Mat Consistency:	Loose
Top Depth:	5.5			Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	6.2 Silt Sand Gravel SILT. VERY LOOSE.			Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393100 .8 3 Clay Till ARTIFICIAL.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393106 9.9 11.1 Unknown Till Shale UNSPECIFIED. VERY DENSE. 00010 013 00025 025 00100 052 00180 020 00205 015 002 **Note: Many records provided by the department have a truncated [Stratum Description] field.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393103 6.2 7 Unknown Till Clay UNSPECIFIED. LOOSE.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Loose
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393104 7 7.6 Grey Clay Silt Gravel CLAY. GREY,SOFT.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Soft
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393105 7.6 9.9 Unknown Till Sand UNSPECIFIED.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	

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

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 054550 NTS_Sheet: 31G05G
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

4 1 of 1 **SW/53.9** **64.9 / 2.03** **ON** BORE

Borehole ID: 612945
OGF ID: 215514251
Status:
Type: Borehole
Use:
Completion Date: MAY-1972
Static Water Level:
Primary Water Use:
Sec. Water Use:
Total Depth m: 11.9
Depth Ref: Ground Surface
Depth Elev:
Drill Method:
Orig Ground Elev m: 63.9
Elev Reliabil Note:
DEM Ground Elev m: 63.3
Concession:
Location D:
Survey D:
Comments:

Inclin FLG: No
SP Status: Initial Entry
Surv Elev: No
Piezometer: No
Primary Name:
Municipality:
Lot:
Township:
Latitude DD: 45.387469
Longitude DD: -75.698745
UTM Zone: 18
Easting: 445301
Northing: 5026232
Location Accuracy:
Accuracy: Not Applicable

Borehole Geology Stratum

Geology Stratum ID: 218393092
Top Depth: 9.1
Bottom Depth: 11
Material Color:
Material 1: Till
Material 2: Gravel
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: TILL. VERY DENSE.

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

Geology Stratum ID: 218393086
Top Depth: 0
Bottom Depth: 2.1
Material Color:
Material 1:
Material 2: Fill

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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 3:	Clay			Geologic Period:	
Material 4:	Bedrock			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL.				
Geology Stratum ID:	218393087			Mat Consistency:	Stiff
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	4.6			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. BROWN,GREY,VERY STIFF.				
Geology Stratum ID:	218393091			Mat Consistency:	Dense
Top Depth:	7.3			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	UNSPECIFIED. DENSE TO VERY DENSE.				
Geology Stratum ID:	218393093			Mat Consistency:	
Top Depth:	11			Material Moisture:	
Bottom Depth:	11.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Boulders			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	BOULDERS. 00000 040 00070 030 00150 055 00205 015 00225 018 00238 009 0030 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218393088			Mat Consistency:	Stiff
Top Depth:	4.6			Material Moisture:	
Bottom Depth:	6.2			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. GREY,STIFF TO VERY STIFF.				
Geology Stratum ID:	218393089			Mat Consistency:	Loose
Top Depth:	6.2			Material Moisture:	
Bottom Depth:	6.9			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	UNSPECIFIED. LOOSE.				
Geology Stratum ID:	218393090			Mat Consistency:	Dense
Top Depth:	6.9			Material Moisture:	
Bottom Depth:	7.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:	Clay			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SILT. DENSE.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 054530 NTS_Sheet: 31G05G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

<u>5</u>	1 of 1	NE/54.7	61.9 / -1.00	ON	BORE
Borehole ID:	612962			Inclin FLG:	No
OGF ID:	215514267			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	OCT-1963			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.389014
Total Depth m:	5			Longitude DD:	-75.696337
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445491
Drill Method:				Northing:	5026402
Orig Ground Elev m:	61.1			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	61.7				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218393161	Mat Consistency:	
Top Depth:	0	Material Moisture:	
Bottom Depth:	.8	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:		Geologic Formation:	
Material 2:	Concrete	Geologic Group:	
Material 3:	Gravel	Geologic Period:	
Material 4:	Sand	Depositional Gen:	
Gsc Material Description:			
Stratum Description:	ARTIFICIAL.		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	218393164			Mat Consistency:	Dense
Top Depth:	3			Material Moisture:	
Bottom Depth:	4.6			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND. DENSE.			
Geology Stratum ID:	218393162			Mat Consistency:	Dense
Top Depth:	.8			Material Moisture:	
Bottom Depth:	2.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Till			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		UNSPECIFIED. DENSE.			
Geology Stratum ID:	218393163			Mat Consistency:	Dense
Top Depth:	2.3			Material Moisture:	
Bottom Depth:	3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND. DENSE.			
Geology Stratum ID:	218393165			Mat Consistency:	Dense
Top Depth:	4.6			Material Moisture:	
Bottom Depth:	5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Sand			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SAND. DENSE. 00025 012 00075 013 00100 012 00150 014 00000 010 00025 022			**Note: Many records provided by the department have a truncated [Stratum Description] field.

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Ident:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	H	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 054700 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

Source Identifier:	1	Horizontal Datum:	NAD27
Source Type:	Data Survey	Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972	Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Originators:		Geological Survey of Canada			
<u>6</u>	1 of 1	ENE/87.8	60.8 / -2.06	City of Ottawa Campus Avenue and University Drive Ottawa ON	SPL
Ref No:	1302-6DKLHY			Discharger Report:	0
Site No:				Material Group:	Oil
Incident Dt:	6/21/2005			Health/Env Conseq:	
Year:				Client Type:	
Incident Cause:	Other Discharges			Sector Type:	Other Motor Vehicle
Incident Event:				Agency Involved:	
Contaminant Code:				Nearest Watercourse:	
Contaminant Name:	GEAR OIL			Site Address:	
Contaminant Limit 1:				Site District Office:	Ottawa
Contam Limit Freq 1:				Site Postal Code:	
Contaminant UN No 1:				Site Region:	
Environment Impact:	Not Anticipated			Site Municipality:	Ottawa
Nature of Impact:				Site Lot:	
Receiving Medium:	Land			Site Conc:	
Receiving Env:				Northing:	
MOE Response:				Easting:	
Dt MOE Arvl on Scn:				Site Geo Ref Accu:	
MOE Reported Dt:	6/21/2005			Site Map Datum:	
Dt Document Closed:				SAC Action Class:	Spills to Land
Incident Reason:	Equipment Failure			Source Type:	
Site Name:	Roadway in Carleton University campus<UNOFFICIAL>				
Site County/District:					
Site Geo Ref Meth:					
Incident Summary:	OC Transpo, 3 gall. gear oil to pavement				
Contaminant Qty:					
<u>7</u>	1 of 1	ENE/98.9	60.9 / -2.00	Bronson Ave (Carleton Univ) OTTAWA ON	WDSH
Site No.:	X1012				
Region:	SOUTHEAST				
County:	OTTAWA CARLETON				
Concession:					
Lot:	Bronson Ave (Carleton Univ)				
Easting:	445550				
Northing:	5026150				
Zone:	18				
Date Closed:	1946				
Status:	CLOSED				
Classification:	A5 - POTENTIAL HUMAN IMPACT-URBAN MUNICIPAL/DOMESTIC WASTE - CLOSED 10-20 YRS				
%CommercialWste:	n/a				
%DomesticWste Rec:	n/a				
%LiquidWste Rec:	n/a				
%HazardousWste Rec:	n/a				
%Non-haz.Wste Rec:	n/a				
%Sewage/Sludge Rec:	n/a				
%Other Wste Rec:	n/a				
<u>8</u>	1 of 2	NNW/113.9	61.9 / -1.00	ON	BORE
Borehole ID:	612972			Inclin FLG:	No
OGF ID:	215514277			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Use:				Primary Name:	
Completion Date:	JUN-1962			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.389629
Total Depth m:	51.8			Longitude DD:	-75.698771
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445301
Drill Method:				Northing:	5026472
Orig Ground Elev m:	76.2			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	64.1				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218393200			Mat Consistency:	Compact
Top Depth:	4.6			Material Moisture:	
Bottom Depth:	51.8			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Limestone			Geologic Formation:	
Material 2:				Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	LIMESTONE. GREY. 00120LAY. GREY,BROWN, STIFF TO VERY STIFF. SILT. GREY,COMPACT. 0000000400				
	**Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218393199			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	4.6			Material Texture:	
Material Color:	Blue			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Boulders			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. BLUE.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:				Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 05480 NTS_Sheet:				
Confiden 1:					
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
<u>8</u>	2 of 2	NNW/113.9	61.9 / -1.00	ON	WWIS

Well ID:	1508070	Data Entry Status:	
Construction Date:		Data Src:	1
Primary Water Use:	Cooling And A/C	Date Received:	9/5/1962
Sec. Water Use:	0	Selected Flag:	Yes
Final Well Status:	Water Supply	Abandonment Rec:	
Water Type:		Contractor:	1802
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:	
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:	10030105	Elevation:	64.11267
DP2BR:	15	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	445300.7
Code OB Desc:	Bedrock	North83:	5026472
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	6/4/1962	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931008726
Layer:	1
Color:	3
General Color:	BLUE
Mat1:	05
Most Common Material:	CLAY
Mat2:	13
Other Materials:	BOULDERS
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	15
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931008727
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Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Layer:		2			
Color:		2			
General Color:		GREY			
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		15			
Formation End Depth:		170			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10578675			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930052867			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		28			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930052868			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		170			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991508070			
Pump Set At:					
Static Level:		23			
Final Level After Pumping:		160			
Recommended Pump Depth:		90			
Pumping Rate:		75			
Flowing Rate:					
Recommended Pump Rate:		75			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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			
<u>Water Details</u>					
Water ID:		933462427			
Layer:		2			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		120			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933462429			
Layer:		4			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		165			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933462426			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		50			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933462428			
Layer:		3			
Kind Code:		5			
Kind:		Not stated			
Water Found Depth:		150			
Water Found Depth UOM:		ft			

9

1 of 1

ENE/122.3

60.9 / -2.00

Carleton Univ Dump

ANDR

Ottawa ON K1S 5B6

Legal Description: Gloucester
Location Description: Bronson Ave (Carleton Univ), site is 125m E of CNR R-O-W, 125m WSW of Bronson Ave*, 325m N of Colonel By Dr*, an area of depression contours
Municipality: Ottawa City
Current Municipality: Ottawa City
RM: Ottawa-Carleton Region
Facility: Dump
Date Active: 1946
Date Begun:
Date Complete: 1946
Area (Ha):
Landfill Type:
Group Name:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Operated By:					
Serial:		MOEE 1012			
NTS:		31G05			
Diameter (m):					
Historical Summary:					
<p>Carleton Univ Dump MOEE 1994 Bronson Ave (Carleton Univ) cited as closed waste disposal site ([Ontario Ministry of the Environment [1994] Waste disposal site inventory, [Toronto]: Ontario Environment, 1994., i, 196 p. : maps. ISBN 0772984093). 1965 Military Town Plan ASE 306 Not marked, site is 125m E of CNR R-O-W, 125m WSW of Bronson Ave*, 325m N of Colonel By Dr*, an area of depression contours [1965 Military Town Plan Ottawa-Hull ASE 306 Edition 1 (produced 1965)]. 1968 NTS Map 31G05 Not marked, swamp [1968 NTS Map Ottawa-Hull Sheet 31G05 edition 7 (air photos 1967, publication 1968)]. 1973 Military Town Plan MCE 306 Not marked [1973 Military Town Plan Ottawa-Hull MCE 306 Edition 2 (information 1972, produced 1973)]. 1976 NTS Map 31G05 Not marked [1976 NTS Map Ottawa-Hull Sheet 31G05 edition 8 (air photos 1975, culture check 1975, information 1975, publication 1976)]. 1979 Campus Map Not marked, site is occupied apparently with an area of Tennis Courts and an athletic field [YUML: 1979 Carleton University Campus Map]. 1982 Military Town Plan MCE 306 Not marked [1982 Military Town Plan Ottawa-Hull MCE 306 Edition 5 (information 1980, produced 1982)]. 1983 NTS Map 31G05 Not marked [1983 NTS Map Ottawa-Hull Sheet 31G05 edition 9 (air photos 1979, culture check 1979, publication 1983)]. 1987 NTS Map 31G05 Not marked [1987 NTS Map Ottawa-Hull Sheet 31G05 edition 10 (air photos 1984, culture check 1985, publication 1987)]. *[1992] MapArt Corporation Ontario, Towns and Cities [Street Atlas].</p>					
Waste Type:					
UTM X Nad 27:		445550			
UTM Y Nad 27:		5026150			
UTM Zone:		18			

10	1 of 2	NE/147.4	60.9 / -2.00	1125 Colonel By Dr Ottawa ON K1S5B6	EHS
Order No:	20161003158			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Standard Report			Client Prov/State:	ON
Report Date:	11-OCT-16			Search Radius (km):	.25
Date Received:	03-OCT-16			X:	-75.698076
Previous Site Name:				Y:	45.381344
Lot/Building Size:					
Additional Info Ordered:	City Directory; Aerial Photos				

10	2 of 2	NE/147.4	60.9 / -2.00	CARLETON UNIVERSITY 1125 COLONEL BY DRIVE NOT AVAILABLE OTTAWA ON K1S5B6	NPRI
NPRI ID:	10602			Org ID:	41617
Other ID:	N			Submit Date:	5/15/2009
No Other ID:				Last Modified:	5/29/2015 3:28:24 PM
Track ID:	62893			Contact ID:	215748
Report ID:	123174			Cont Type:	MED
Report Type:	NPRI			Contact Title:	
Rpt Type ID:	1			Cont First Name:	STEPHANIE
Report Year:	2008			Cont Last Name:	YOURTH
Not-Current Rpt?:	No			Contact Position:	MANAGER OF ENVIRONMENTAL HEALTH & SAFETY
Yr of Last Filed Rpt:	2008			Contact Fax:	6135202122
Fac ID:	153290			Contact Ph.:	6135201600
Fac Name:	CARLETON UNIVERSITY			Cont Area Code:	613
Fac Address1:	1125 COLONEL BY DRIVE			Contact Tel.:	35201600
Fac Address2:	NOT AVAILABLE			Contact Ext.:	3809
Fac Postal Zip:	K1S5B6			Cont Fax Area Cde:	613
Facility Lat:	45.3854			Contact Fax:	35202122
Facility Long:	-75.6961			Contact Email:	STEPHANIE_YOURTH@CARLETON.CA
DLS (Last Filed Rpt):				Latitude:	45.3854
Facility DLS:				Longitude:	-75.6961
Datum:	1983			UTM Zone:	
Facility Cmnts:	No			UTM Northing:	
URL:				UTM Easting:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
No of Empl.:	18450			Waste Streams:	No
Parent Co.:	N			No Streams:	
No Parent Co.:				Waste Off Sites:	No
Pollut Prev Cmnts:	No			No Off Sites:	
Stacks:	No			Shutdown:	No
No of Stacks:				No of Shutdown:	
Canadian SIC Code (2 digit):					
Canadian SIC Code:					
SIC Code Description:					
American SIC Code:					
NAICS Code (2 digit):	61				
NAICS 2 Description:	Educational services				
NAICS Code (4 digit):	6113				
NAICS 4 Description:	Universities				
NAICS Code (6 digit):	611310				
NAICS 6 Description:	Universities				
<u>Substance Release Report</u>					
Category Type ID:	1				
Category Type Desc:	Stack / Point				
Category Type Desc (fr):	Rejets de cheminée ou ponctuels				
Grouping:	Total Air				
Trans Code:	ASta				
Chem:	Nitrogen oxides (expressed as NO2)				
Chem (fr):	Oxydes d'azote (exprimés en NO2)				
Quantity:	23.851				
Unit:	tonnes				
Basis of Estimate Cd:	E2				
Basis of Estimate Desc:	E2- Published Emission Factors - In use from 2003 and onward				
Category Type ID:	13				
Category Type Desc:	All Media				
Category Type Desc (fr):	Rejets à tous les médias				
Grouping:	Total All Media<1t				
Trans Code:					
Chem:	PM2.5 - Particulate Matter <= 2.5 Microns				
Chem (fr):	PM2,5 - Matière particulaire <= 2,5 microns				
Quantity:	.393				
Unit:	tonnes				
Basis of Estimate Cd:					
Basis of Estimate Desc:					
11	1 of 1	W/155.3	61.6 / -1.26	ON	BORE
Borehole ID:	612956			Inclin FLG:	No
OGF ID:	215514261			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.388627
Total Depth m:	6.7			Longitude DD:	-75.700675
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445151
Drill Method:				Northing:	5026362
Orig Ground Elev m:	64.6			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	63.3				
Concession:					
Location D:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218393138			Mat Consistency:	Compact
Top Depth:	4.9			Material Moisture:	
Bottom Depth:	6.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT. GREY,COMPACT. 000000500055008001600150060001000800050005000650100018001619VERY DENSE.				
Geology Stratum ID:	218393136			Mat Consistency:	Loose
Top Depth:	0			Material Moisture:	
Bottom Depth:	1.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:	Gravel			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL. BROWN,GREY,LOOSE.				
Geology Stratum ID:	218393137			Mat Consistency:	Compact
Top Depth:	1.7			Material Moisture:	
Bottom Depth:	4.9			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Gravel			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT. BROWN,GREY,VERY LOOSE,COMPACT.				
<u>Source</u>					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 054640 NTS_Sheet: 31G05G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

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SW/165.2

65.9 / 3.00

ON

BORE

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Borehole ID:	612939			Inclin FLG:	No
OGF ID:	215514245			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1972			Municipality:	
Static Water Level:	8.7			Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.38701
Total Depth m:	5.5			Longitude DD:	-75.700144
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445191
Drill Method:				Northing:	5026182
Orig Ground Elev m:	64			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	64				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218393058			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Water-bearing			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		WATER.			
Geology Stratum ID:	218393059			Mat Consistency:	Loose
Top Depth:	2.7			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:	Dark			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Alluvion			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SILT. DARK,GREY,VERY LOOSE.			
Geology Stratum ID:	218393060			Mat Consistency:	Compact
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	5.5			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SILT. GREY,COMPACT,DENSE. 00120028ILL. FIRM. WATER STABLE AT 181.4 FEET.BOULDERS. VERY DENS **Note: Many records provided by the department have a truncated [Stratum Description] field.			

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	H	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Name:		Urban Geology Automated Information System (UGAIS)			
Source Details:		File: OTTAWA2.txt RecordID: 054470 NTS_Sheet: 31G05G			
Confiden 1:		Logged by professional. Exact and complete description of material and properties.			
<u>Source List</u>					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

13	1 of 2	SSW/169.5	65.9 / 3.04	ON	WWIS
Well ID:	1508071			Data Entry Status:	
Construction Date:				Data Src:	1
Primary Water Use:	Public			Date Received:	12/3/1963
Sec. Water Use:	0			Selected Flag:	Yes
Final Well Status:	Water Supply			Abandonment Rec:	
Water Type:				Contractor:	1802
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:	
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:	10030106	Elevation:	64.078811
DP2BR:	20	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	445330.7
Code OB Desc:	Bedrock	North83:	5026112
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	8/16/1963	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931008728
Layer:	1
Color:	
General Color:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Mat1:		05			
Most Common Material:		CLAY			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		0			
Formation End Depth:		20			
Formation End Depth UOM:		ft			
<u>Overburden and Bedrock Materials Interval</u>					
Formation ID:		931008729			
Layer:		2			
Color:					
General Color:					
Mat1:		15			
Most Common Material:		LIMESTONE			
Mat2:					
Other Materials:					
Mat3:					
Other Materials:					
Formation Top Depth:		20			
Formation End Depth:		215			
Formation End Depth UOM:		ft			
<u>Method of Construction & Well Use</u>					
Method Construction ID:					
Method Construction Code:		1			
Method Construction:		Cable Tool			
Other Method Construction:					
<u>Pipe Information</u>					
Pipe ID:		10578676			
Casing No:		1			
Comment:					
Alt Name:					
<u>Construction Record - Casing</u>					
Casing ID:		930052870			
Layer:		2			
Material:		4			
Open Hole or Material:		OPEN HOLE			
Depth From:					
Depth To:		215			
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Construction Record - Casing</u>					
Casing ID:		930052869			
Layer:		1			
Material:		1			
Open Hole or Material:		STEEL			
Depth From:					
Depth To:		90			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Casing Diameter:		6			
Casing Diameter UOM:		inch			
Casing Depth UOM:		ft			
<u>Results of Well Yield Testing</u>					
Pump Test ID:		991508071			
Pump Set At:					
Static Level:		30			
Final Level After Pumping:		200			
Recommended Pump Depth:		200			
Pumping Rate:		30			
Flowing Rate:					
Recommended Pump Rate:		30			
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			
<u>Water Details</u>					
Water ID:		933462431			
Layer:		2			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		150			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933462432			
Layer:		3			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		200			
Water Found Depth UOM:		ft			
<u>Water Details</u>					
Water ID:		933462430			
Layer:		1			
Kind Code:		1			
Kind:		FRESH			
Water Found Depth:		80			
Water Found Depth UOM:		ft			

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SSW/169.5

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ON

[WWIS](#)

Well ID: 1508072
Construction Date:
Primary Water Use: Public
Sec. Water Use: 0
Final Well Status: Water Supply
Water Type:
Casing Material:
Audit No:
Tag:

Data Entry Status:
Data Src: 1
Date Received: 12/3/1963
Selected Flag: Yes
Abandonment Rec:
Contractor: 1802
Form Version: 1
Owner:
Street Name:

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Construction Method: Elevation (m): Elevation Reliability: Depth to Bedrock: Well Depth: Overburden/Bedrock: Pump Rate: Static Water Level: Flowing (Y/N): Flow Rate: Clear/Cloudy:				County: Municipality: Site Info: Lot: Concession: Concession Name: Easting NAD83: Northing NAD83: Zone: UTM Reliability:	OTTAWA-CARLETON OTTAWA CITY

Bore Hole Information

Bore Hole ID:	10030107	Elevation:	64.078811
DP2BR:	20	Elevrc:	
Spatial Status:		Zone:	18
Code OB:	r	East83:	445330.7
Code OB Desc:	Bedrock	North83:	5026112
Open Hole:		Org CS:	
Cluster Kind:		UTMRC:	5
Date Completed:	8/20/1963	UTMRC Desc:	margin of error : 100 m - 300 m
Remarks:		Location Method:	p5
Elevrc Desc:			
Location Source Date:			
Improvement Location Source:			
Improvement Location Method:			
Source Revision Comment:			
Supplier Comment:			

Overburden and Bedrock

Materials Interval

Formation ID:	931008730
Layer:	1
Color:	
General Color:	
Mat1:	05
Most Common Material:	CLAY
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	0
Formation End Depth:	20
Formation End Depth UOM:	ft

Overburden and Bedrock

Materials Interval

Formation ID:	931008731
Layer:	2
Color:	
General Color:	
Mat1:	15
Most Common Material:	LIMESTONE
Mat2:	
Other Materials:	
Mat3:	
Other Materials:	
Formation Top Depth:	20
Formation End Depth:	215
Formation End Depth UOM:	ft

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Method of Construction & Well Use

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

Pipe Information

Pipe ID: 10578677
Casing No: 1
Comment:
Alt Name:

Construction Record - Casing

Casing ID: 930052872
Layer: 2
Material: 4
Open Hole or Material: OPEN HOLE
Depth From:
Depth To: 215
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Construction Record - Casing

Casing ID: 930052871
Layer: 1
Material: 1
Open Hole or Material: STEEL
Depth From:
Depth To: 90
Casing Diameter: 6
Casing Diameter UOM: inch
Casing Depth UOM: ft

Results of Well Yield Testing

Pump Test ID: 991508072
Pump Set At:
Static Level: 30
Final Level After Pumping: 200
Recommended Pump Depth: 200
Pumping Rate: 30
Flowing Rate:
Recommended Pump Rate: 30
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

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.388265
Total Depth m:	6.6			Longitude DD:	-75.701054
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445121
Drill Method:				Northing:	5026322
Orig Ground Elev m:	64.6			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	64.9				
Concession:					
Location D:					
Survey D:					
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218393123			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Soil			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	UNSPECIFIED.				
Geology Stratum ID:	218393124			Mat Consistency:	Loose
Top Depth:	.3			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Roots			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL. BROWN, LOOSE.				
Geology Stratum ID:	218393126			Mat Consistency:	Stiff
Top Depth:	2			Material Moisture:	
Bottom Depth:	5.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. BROWN, GREY, STIFF TO VERY STIFF.				
Geology Stratum ID:	218393127			Mat Consistency:	Compact
Top Depth:	5.5			Material Moisture:	
Bottom Depth:	6.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT. GREY, COMPACT. 00000060001000800050005000650100018001619VERY DENSE. 00010 013 00025 **Note: Many records provided by the department have a truncated [Stratum Description] field.				

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Geology Stratum ID:	218393125			Mat Consistency:	
Top Depth:	1.5			Material Moisture:	
Bottom Depth:	2			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Alluvion			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY.				
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 054610 NTS_Sheet: 31G05G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
17	1 of 1	WSW/190.5	65.2 / 2.34	ON	BORE
Borehole ID:	612950			Inclin FLG:	No
OGF ID:	215514256			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1922			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.387725
Total Depth m:	6.6			Longitude DD:	-75.700919
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445131
Drill Method:				Northing:	5026262
Orig Ground Elev m:	64.6			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	65				
Concession:					
Location D:					
Survey D:					
Comments:					
Borehole Geology Stratum					
Geology Stratum ID:	218393112			Mat Consistency:	Compact
Top Depth:	.3			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 1:				Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		ARTIFICIAL. BROWN, LOOSE TO COMPACT.			
Geology Stratum ID:	218393114			Mat Consistency:	Stiff
Top Depth:	1.7			Material Moisture:	
Bottom Depth:	4.3			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:	Sand			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		CLAY. BROWN, GREY, VERY STIFF.			
Geology Stratum ID:	218393113			Mat Consistency:	
Top Depth:	1.5			Material Moisture:	
Bottom Depth:	1.7			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Organic			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	organic
Gsc Material Description:					
Stratum Description:		ORGANIC.			
Geology Stratum ID:	218393115			Mat Consistency:	Compact
Top Depth:	4.3			Material Moisture:	
Bottom Depth:	6.6			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SILT. GREY, COMPACT. 0000001000010011000500080005701500140019VERY DENSE. 00010 013 00025 02 **Note: Many records provided by the department have a truncated [Stratum Description] field.			
Geology Stratum ID:	218393111			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Soil			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		UNSPECIFIED.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 054580 NTS_Sheet: 31G05G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				

Source List

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

18	1 of 1	WNW/205.5	61.7 / -1.17	ON	BORE
Borehole ID:	612973			Inclin FLG:	No
OGF ID:	215514278			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.389707
Total Depth m:	5.4			Longitude DD:	-75.700689
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445151
Drill Method:				Northing:	5026482
Orig Ground Elev m:	64			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	63.7				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218393201			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Water-bearing			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	WATER.				
Geology Stratum ID:	218393202			Mat Consistency:	Compact
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	5			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT. GREY, LOOSE TO COMPACT.				
Geology Stratum ID:	218393203			Mat Consistency:	Compact
Top Depth:	5			Material Moisture:	
Bottom Depth:	5.4			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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Gsc Material Description:
Stratum Description: SILT. VERY DENSE. 0007001400165100 SILT. GREY,COMPACT. 000000040006001500110023. CLAY.

Source

Source Type:	Data Survey	Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada	Source Iden:	1
Source Date:	1956-1972	Scale or Res:	Varies
Confidence:	H	Horizontal:	NAD27
Observatio:		Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Details:	File: OTTAWA2.txt RecordID: 054810 NTS_Sheet: 31G05G		
Confiden 1:	Logged by professional. Exact and complete description of material and properties.		

Source List

Source Identifier:	1	Horizontal Datum:	NAD27
Source Type:	Data Survey	Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972	Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies		
Source Name:	Urban Geology Automated Information System (UGAIS)		
Source Originators:	Geological Survey of Canada		

19 1 of 1 **ENE/213.3** **59.8 / -3.09** **ON** **BORE**

Borehole ID:	612961	Inclin FLG:	No
OGF ID:	215514266	SP Status:	Initial Entry
Status:		Surv Elev:	No
Type:	Borehole	Piezometer:	No
Use:		Primary Name:	
Completion Date:	JUN-1972	Municipality:	
Static Water Level:		Lot:	
Primary Water Use:		Township:	
Sec. Water Use:		Latitude DD:	45.389027
Total Depth m:	12.6	Longitude DD:	-75.694165
Depth Ref:	Ground Surface	UTM Zone:	18
Depth Elev:		Easting:	445661
Drill Method:		Northing:	5026402
Orig Ground Elev m:	59.8	Location Accuracy:	
Elev Reliabil Note:		Accuracy:	Not Applicable
DEM Ground Elev m:	60.5		
Concession:			
Location D:			
Survey D:			
Comments:			

Borehole Geology Stratum

Geology Stratum ID:	218393153	Mat Consistency:	
Top Depth:	.8	Material Moisture:	
Bottom Depth:	1.5	Material Texture:	
Material Color:		Non Geo Mat Type:	
Material 1:		Geologic Formation:	
Material 2:	Sand	Geologic Group:	
Material 3:	Clay	Geologic Period:	
Material 4:	Gravel	Depositional Gen:	

Gsc Material Description:
Stratum Description: ARTIFICIAL.

Geology Stratum ID:	218393157	Mat Consistency:	
Top Depth:	5.2	Material Moisture:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	7.6 Organic Humus ORGANIC.			Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	 organic
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393156 3.8 5.2 Granuls Wood Fragments ARTIFICIAL.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393152 0 .8 Sand Gravel Asphalt ARTIFICIAL.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393154 1.5 3 Sand Clay Brick fragments ARTIFICIAL.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393160 9.7 12.6 Red Bedrock BEDROCK. WEATHERED. 00000 010 00025 022 00050 034 00100 070 00125 062 00250 **Note: Many records provided by the department have a truncated [Stratum Description] field.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393155 3 3.8 Sand Humus Granuls ARTIFICIAL.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID:	218393158			Mat Consistency:	Dense

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Top Depth:	7.6			Material Moisture:	
Bottom Depth:	9.1			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Till			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Shale			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		TILL. DENSE.			
Geology Stratum ID:	218393159			Mat Consistency:	
Top Depth:	9.1			Material Moisture:	
Bottom Depth:	9.7			Material Texture:	
Material Color:	Red			Non Geo Mat Type:	
Material 1:	Bedrock			Geologic Formation:	
Material 2:	Shale			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		BEDROCK. WEATHERED.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Details:	File: OTTAWA2.txt RecordID: 054690 NTS_Sheet: 31G05G				
Confiden 1:	Logged by professional. Exact and complete description of material and properties.				
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				
20	1 of 1	WSW/216.2	66.9 / 4.03	ON	BORE
Borehole ID:	612940			Inclin FLG:	No
OGF ID:	215514246			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.387005
Total Depth m:	6.2			Longitude DD:	-75.700911
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445131
Drill Method:				Northing:	5026182
Orig Ground Elev m:	64.7			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	65.5				
Concession:					
Location D:					
Survey D:					

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Comments:					
<u>Borehole Geology Stratum</u>					
Geology Stratum ID:	218393064			Mat Consistency:	Stiff
Top Depth:	1.5			Material Moisture:	
Bottom Depth:	2.1			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Clay			Geologic Formation:	
Material 2:	Silt			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	CLAY. GREY,VERY STIFF.				
Geology Stratum ID:	218393061			Mat Consistency:	
Top Depth:	0			Material Moisture:	
Bottom Depth:	.3			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Unknown			Geologic Formation:	
Material 2:	Soil			Geologic Group:	
Material 3:				Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	UNSPECIFIED.				
Geology Stratum ID:	218393066			Mat Consistency:	Compact
Top Depth:	3.7			Material Moisture:	
Bottom Depth:	6.2			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:	SILT. GREY,COMPACT. 000000070001001300045008000500150007001600120019010 00175 005 00190 **Note: Many records provided by the department have a truncated [Stratum Description] field.				
Geology Stratum ID:	218393063			Mat Consistency:	
Top Depth:	1.4			Material Moisture:	
Bottom Depth:	1.5			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:	Organic			Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Alluvion			Geologic Period:	
Material 4:				Depositional Gen:	organic
Gsc Material Description:					
Stratum Description:	ORGANIC.				
Geology Stratum ID:	218393062			Mat Consistency:	Compact
Top Depth:	.3			Material Moisture:	
Bottom Depth:	1.4			Material Texture:	
Material Color:				Non Geo Mat Type:	
Material 1:				Geologic Formation:	
Material 2:	Clay			Geologic Group:	
Material 3:	Silt			Geologic Period:	
Material 4:	Sand			Depositional Gen:	
Gsc Material Description:					
Stratum Description:	ARTIFICIAL. LOOSE TO COMPACT.				
Geology Stratum ID:	218393065			Mat Consistency:	Compact
Top Depth:	2.1			Material Moisture:	
Bottom Depth:	3.7			Material Texture:	
Material Color:	Brown			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Material 2:	Sand			Geologic Group:	
Material 3:	Clay			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SILT. BROWN,COMPACT.			
Source					
Source Type:	Data Survey			Source Appl:	Spatial/Tabular
Source Orig:	Geological Survey of Canada			Source Iden:	1
Source Date:	1956-1972			Scale or Res:	Varies
Confidence:	H			Horizontal:	NAD27
Observatio:				Verticalda:	Mean Average Sea Level
Source Name:		Urban Geology Automated Information System (UGAIS)			
Source Details:		File: OTTAWA2.txt RecordID: 054480 NTS_Sheet: 31G05G			
Confiden 1:		Logged by professional. Exact and complete description of material and properties.			
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:		Urban Geology Automated Information System (UGAIS)			
Source Originators:		Geological Survey of Canada			

21	1 of 1	WNW/217.7	61.9 / -1.00	ON	BORE
Borehole ID:	612971			Inclin FLG:	No
OGF ID:	215514276			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	
Completion Date:	JUL-1972			Municipality:	
Static Water Level:				Lot:	
Primary Water Use:				Township:	
Sec. Water Use:				Latitude DD:	45.389525
Total Depth m:	4.7			Longitude DD:	-75.70107
Depth Ref:	Ground Surface			UTM Zone:	18
Depth Elev:				Easting:	445121
Drill Method:				Northing:	5026462
Orig Ground Elev m:	64.7			Location Accuracy:	
Elev Reliabil Note:				Accuracy:	Not Applicable
DEM Ground Elev m:	63.7				
Concession:					
Location D:					
Survey D:					
Comments:					

Borehole Geology Stratum

Geology Stratum ID:	218393198			Mat Consistency:	Compact
Top Depth:	3.4			Material Moisture:	
Bottom Depth:	4.7			Material Texture:	
Material Color:	Grey			Non Geo Mat Type:	
Material 1:	Silt			Geologic Formation:	
Material 2:	Sand			Geologic Group:	
Material 3:	Till			Geologic Period:	
Material 4:				Depositional Gen:	
Gsc Material Description:					
Stratum Description:		SILT. GREY,COMPACT. 000000040006001500110023. CLAY. GREY,FIRM. 00050 010 003600350520850			

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
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**Note: Many records provided by the department have a truncated [Stratum Description] field.

Geology Stratum ID: 218393196
Top Depth: 1.5
Bottom Depth: 1.8
Material Color:
Material 1: Clay
Material 2: Silt
Material 3: Alluvion
Material 4:
Gsc Material Description:
Stratum Description: CLAY.

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

Geology Stratum ID: 218393197
Top Depth: 1.8
Bottom Depth: 3.4
Material Color: Brown
Material 1: Clay
Material 2: Silt
Material 3:
Material 4:
Gsc Material Description:
Stratum Description: CLAY. GREY,BROWN, STIFF TO VERY STIFF.

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

Geology Stratum ID: 218393195
Top Depth: 0
Bottom Depth: 1.5
Material Color: Brown
Material 1:
Material 2: Clay
Material 3: Silt
Material 4: Roots
Gsc Material Description:
Stratum Description: ARTIFICIAL. GREY,BROWN,LOOSE.

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

Source

Source Type: Data Survey
Source Orig: Geological Survey of Canada
Source Date: 1956-1972
Confidence: H
Observatio:
Source Name: Urban Geology Automated Information System (UGAIS)
Source Details: File: OTTAWA2.txt RecordID: 054790 NTS_Sheet: 31G05G
Confiden 1: Logged by professional. Exact and complete description of material and properties.

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

Source List

Source Identifier: 1
Source Type: Data Survey
Source Date: 1956-1972
Scale or Resolution: Varies
Source Name: Urban Geology Automated Information System (UGAIS)
Source Originators: Geological Survey of Canada

Horizontal Datum: NAD27
Vertical Datum: Mean Average Sea Level
Projection Name: Universal Transverse Mercator

22	1 of 1	S/220.1	65.8 / 2.94	ON	BORE
Borehole ID:	612926			Inclin FLG:	No
OGF ID:	215514232			SP Status:	Initial Entry
Status:				Surv Elev:	No
Type:	Borehole			Piezometer:	No
Use:				Primary Name:	

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Completion Date: Static Water Level: Primary Water Use: Sec. Water Use: Total Depth m: Depth Ref: Depth Elev: Drill Method: Orig Ground Elev m: Elev Reliabil Note: DEM Ground Elev m: Concession: Location D: Survey D: Comments:	MAR-1961 19.8 Ground Surface 61.9 63.8			Municipality: Lot: Township: Latitude DD: Longitude DD: UTM Zone: Easting: Northing: Location Accuracy: Accuracy:	 45.385945 -75.697576 18 445391 5026062 Not Applicable
<u>Borehole Geology Stratum</u>					
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218392997 .3 3.5 Unknown Till UNSPECIFIED. DENSE.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218392999 6.1 6.4 Unknown Till Silt UNSPECIFIED. DENSE.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218392996 0 .3 Unknown Soil UNSPECIFIED.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393004 15.1 19.8 Bedrock BEDROCK. 00010 022 00115 018 00200 016 00210 032 00215 018 00365 037 0001 **Note: Many records provided by the department have a truncated [Stratum Description] field.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth:	218393001 6.6			Mat Consistency: Material Moisture:	Dense

Map Key	Number of Records	Direction/ Distance (m)	Elev/Diff (m)	Site	DB
Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	11.1 Unknown Till UNSPECIFIED. DENSE.			Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393003 13.7 15.1 Bedrock BEDROCK.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218392998 3.5 6.1 Till Boulders TILL. DENSE.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393000 6.4 6.6 Sand SAND-MEDIUM. DENSE.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense Medium
Geology Stratum ID: Top Depth: Bottom Depth: Material Color: Material 1: Material 2: Material 3: Material 4: Gsc Material Description: Stratum Description:	218393002 11.1 13.7 Till Boulders TILL. DENSE.			Mat Consistency: Material Moisture: Material Texture: Non Geo Mat Type: Geologic Formation: Geologic Group: Geologic Period: Depositional Gen:	Dense
Source					
Source Type: Source Orig: Source Date: Confidence: Observatio: Source Name: Source Details: Confiden 1:	Data Survey Geological Survey of Canada 1956-1972 H Urban Geology Automated Information System (UGAIS) File: OTTAWA2.txt RecordID: 054340 NTS_Sheet: 31G05G Logged by professional. Exact and complete description of material and properties.			Source Appl: Source Iden: Scale or Res: Horizontal: Verticalda:	Spatial/Tabular 1 Varies NAD27 Mean Average Sea Level

<i>Map Key</i>	<i>Number of Records</i>	<i>Direction/ Distance (m)</i>	<i>Elev/Diff (m)</i>	<i>Site</i>	<i>DB</i>
Source List					
Source Identifier:	1			Horizontal Datum:	NAD27
Source Type:	Data Survey			Vertical Datum:	Mean Average Sea Level
Source Date:	1956-1972			Projection Name:	Universal Transverse Mercator
Scale or Resolution:	Varies				
Source Name:	Urban Geology Automated Information System (UGAIS)				
Source Originators:	Geological Survey of Canada				

23	1 of 1	<i>E/248.4</i>	<i>59.8 / -3.03</i>	<i>1125 colonel by drive Ottawa ON K1S 5B6</i>	<i>EHS</i>
Order No:	20181206024			Nearest Intersection:	
Status:	C			Municipality:	
Report Type:	Custom Report			Client Prov/State:	ON
Report Date:	13-DEC-18			Search Radius (km):	.25
Date Received:	06-DEC-18			X:	-75.69333
Previous Site Name:				Y:	45.388039
Lot/Building Size:					
Additional Info Ordered:	Fire Insur. Maps and/or Site Plans; City Directory; Aerial Photos				

Unplottable Summary

Total: **30** Unplottable sites

DB	Company Name/Site Name	Address	City	Postal
CA	R. W. Tomlinson Limited		Ottawa ON	
CA	R. W. Tomlinson Limited		Ottawa ON	
CA	R. W. Tomlinson Limited	Mobile Facility	Ottawa ON	
CA	R. W. Tomlinson Limited		Ottawa ON	
CA	R. W. Tomlinson Limited		Ottawa ON	
CA	R. W. Tomlinson Limited		Ottawa ON	
CONV	R. W. Tomlinson Limited		Ottawa ON	
EBR	R. W. Tomlinson Limited	Ontario CITY OF OTTAWA	ON	
EBR	R. W. Tomlinson Limited	Ontario CITY OF OTTAWA	ON	
EBR	R. W. Tomlinson Limited	Mobile Facility Ottawa CITY OF OTTAWA	ON	
EBR	R. W. Tomlinson Limited	Mobile Facility Ottawa CITY OF OTTAWA	ON	
ECA	The Corporation of the City of Ottawa	Bronson Ave	Ottawa ON	K2G 6J8
ECA	R. W. Tomlinson Limited	Mobile Facility	Ottawa ON	K1G 3N4
ECA	R. W. Tomlinson Limited	Mobile Facility	Ottawa ON	K1G 3N4
GEN	Sports Medicine Clinic	Carleton University Ice House, 1125 Colonel By Dr	Ottawa ON	K1S5B6
LIMO	Carleton University Dump	Ottawa	ON	
NDFT		COLONEL DR BY OTTAWA	ON	
NPCB	CARLETON UNIVERSITY		OTTAWA ON	K1R 3J7

PINC		COLONEL BY DRIVE, OTTAWA	ON
SPL	CONSTRUCTION COMPANY	BRONSON AVENUE AT RIDEAU RIVER.	OTTAWA CITY ON
SPL	LECLAIR FUELS LTD.	BRONSON AVENUE TANK TRUCK (CARGO)	OTTAWA CITY ON
SPL		Bronson Ave	Ottawa ON
SPL	OC Transpo<UNOFFICIAL>	Campus Avenue	Ottawa ON
SPL		Colonel By Dr	Ottawa ON
SPL		Colonel By Drive	Ottawa ON
SPL	Enbridge Gas Distribution Inc.	Colonel By Drive building 10, Carleton University	Ottawa ON
SPL		Colonel By Street and Rideau Canal	Ottawa ON
SPL	City of Ottawa	Exit onto Bronson Ave	Ottawa ON
SPL	CARLTON UNIVERSITY	RIDEAU RIVER, @ CARLTON UNIVERSITY COLONEL BYE DRIVE OTTAWA	OTTAWA CITY ON
SPL	R W Tomlinson		Ottawa ON

Unplottable Report

Site: R. W. Tomlinson Limited
Ottawa ON

Database:
CA

Certificate #: 9313-5N5KXL
Application Year: 2005
Issue Date: 5/3/2005
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R. W. Tomlinson Limited
Ottawa ON

Database:
CA

Certificate #: 1266-7RRSDS
Application Year: 2009
Issue Date: 5/29/2009
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R. W. Tomlinson Limited
Mobile Facility Ottawa ON

Database:
CA

Certificate #: 9590-85TJS9
Application Year: 2010
Issue Date: 7/29/2010
Approval Type: Air
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R. W. Tomlinson Limited
Ottawa ON

Database:
CA

Certificate #: 6924-5YWQ3U

Application Year: 2004
Issue Date: 5/19/2004
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R. W. Tomlinson Limited
Ottawa ON

Database:
CA

Certificate #: 8392-5RPJWW
Application Year: 2004
Issue Date: 5/5/2004
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R. W. Tomlinson Limited
Ottawa ON

Database:
CA

Certificate #: 3830-82GLKG
Application Year: 2010
Issue Date: 2/24/2010
Approval Type: Industrial Sewage Works
Status: Approved
Application Type:
Client Name:
Client Address:
Client City:
Client Postal Code:
Project Description:
Contaminants:
Emission Control:

Site: R. W. Tomlinson Limited
Ottawa ON

Database:
CONV

File No: 082173
Crown Brief No:
Court Location:
Publication City:
Publication Title:
Act:
Act(s):
First Matter:
Second Matter:
Investigation 1:
Investigation 2:
Penalty Imposed:
Description:

Location:
Region:
Ministry District:

On January 13, 2011, R. W. Tomlinson Limited was convicted of establishing a new or existing sewage works and operating a sewage works without a Certificate of Approval. The Court heard that the company operates a quarry in

Ottawa. A routine inspection by the ministry conducted on June 16, 2009 revealed settling ponds from an aggregate wash operation were on site and in operation. These ponds were not part of any existing sewage works approval. The company was charged following an investigation by the ministry's Investigations and Enforcement Branch. The company was convicted and fined a total of \$12,000 plus a victim fine surcharge and given 30 days to pay the fine.

Background:
URL:

Additional Details

Publication Date:
Count: 1
Act:
Regulation:
Section:
Act/Regulation/Section:
Date of Offence:
Date of Conviction:
Date Charged: January 13, 2011
Charge Disposition: fine, victim fine surcharge
Fine: \$12,000
Synopsis:

Site: R. W. Tomlinson Limited
Ontario CITY OF OTTAWA ON

Database:
EBR

EBR Registry No: 012-3174
Ministry Ref No: 1482-9PALMZ
Notice Type: Instrument Decision
Notice Stage:
Notice Date: March 08, 2019
Proposal Date: December 04, 2014
Year: 2014
Instrument Type: Environmental Compliance Approval (project type: air) - EPA Part II.1-air
Off Instrument Name:
Posted By:
Company Name:
Site Address:
Location Other:
Proponent Name: R. W. Tomlinson Limited
Proponent Address: 5597 Power Road
Ottawa Ontario
Canada K1G 3N4

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Comment Period:
URL: <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTI0MDI3&statusId=MjA5NDA4&language=en>

Site Location Details:

Ontario
CITY OF OTTAWA

Site: R. W. Tomlinson Limited
Ontario CITY OF OTTAWA ON

Database:
EBR

EBR Registry No: 012-3178
Ministry Ref No: 6198-9PALQX
Notice Type: Instrument Decision
Notice Stage:
Notice Date: August 01, 2018
Proposal Date: December 08, 2014
Year: 2014
Instrument Type: Environmental Compliance Approval (project type: air) - EPA Part II.1-air
Off Instrument Name:
Posted By:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Company Name: R. W. Tomlinson Limited(EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Site Address:
Location Other:
Proponent Name: R. W. Tomlinson Limited
Proponent Address: 100 CitiGate Drive
Ottawa Ontario
Canada K2J 6K7
Comment Period:
URL: <http://www.ebr.gov.on.ca/ERS-WEB-External/displaynoticecontent.do?noticeId=MTI0MDMz&statusId=MjA2NzEw&language=en>

Site Location Details:

Ontario
CITY OF OTTAWA

Site: *R. W. Tomlinson Limited*
Mobile Facility Ottawa CITY OF OTTAWA ON

Database:
[EBR](#)

EBR Registry No: 011-3878
Ministry Ref No: 4690-8H9G82
Notice Type: Instrument Decision
Notice Stage: 803857793
Notice Date: October 31, 2016
Proposal Date: June 16, 2011
Year: 2011
Instrument Type: (EPA Part II.1-air) - Environmental Compliance Approval (project type: air)
Off Instrument Name:
Posted By:
Company Name: R. W. Tomlinson Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 5597 Power Road, Gloucester Ontario, Canada K1G 3N4
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Mobile Facility Ottawa CITY OF OTTAWA

Site: *R. W. Tomlinson Limited*
Mobile Facility Ottawa CITY OF OTTAWA ON

Database:
[EBR](#)

EBR Registry No: 011-0219
Ministry Ref No: 5698-7Q4PZC
Notice Type: Instrument Decision
Notice Stage: 803581856
Notice Date: August 04, 2010
Proposal Date: June 07, 2010
Year: 2010
Instrument Type: (EPA s. 9) - Approval for discharge into the natural environment other than water (i.e. Air)
Off Instrument Name:
Posted By:
Company Name: R. W. Tomlinson Limited
Site Address:
Location Other:
Proponent Name:
Proponent Address: 5597 Power Road, Gloucester Ontario, Canada K1G 3N4
Comment Period:
URL:

Decision Posted:
Exception Posted:
Section:
Act 1:
Act 2:
Site Location Map:

Site Location Details:

Site: *The Corporation of the City of Ottawa
Bronson Ave Ottawa ON K2G 6J8*

Database:
ECA

Approval No:	7288-B9LLJC	MOE District:	
Approval Date:	2019-03-05	City:	
Status:	Approved	Longitude:	
Record Type:	ECA	Latitude:	
Link Source:	IDS	Geometry X:	
SWP Area Name:		Geometry Y:	
Approval Type:	ECA-MUNICIPAL AND PRIVATE SEWAGE WORKS		
Project Type:	MUNICIPAL AND PRIVATE SEWAGE WORKS		
Address:	Bronson Ave		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/8437-B9BKWH-13.pdf		

Site: *R. W. Tomlinson Limited
Mobile Facility Ottawa ON K1G 3N4*

Database:
ECA

Approval No:	9590-85TJS9	MOE District:	
Approval Date:	2010-07-29	City:	
Status:	Approved	Longitude:	
Record Type:	ECA	Latitude:	
Link Source:	IDS	Geometry X:	
SWP Area Name:		Geometry Y:	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Address:	Mobile Facility		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/5698-7Q4PZC-14.pdf		

Site: *R. W. Tomlinson Limited
Mobile Facility Ottawa ON K1G 3N4*

Database:
ECA

Approval No:	3301-AEPJ5R	MOE District:	
Approval Date:	2016-10-25	City:	
Status:	Approved	Longitude:	
Record Type:	ECA	Latitude:	
Link Source:	IDS	Geometry X:	
SWP Area Name:		Geometry Y:	
Approval Type:	ECA-AIR		
Project Type:	AIR		
Address:	Mobile Facility		
Full Address:			
Full PDF Link:	https://www.accessenvironment.ene.gov.on.ca/instruments/4690-8H9G82-14.pdf		

Site: *Sports Medicine Clinic
Carleton University Ice House, 1125 Colonel By Dr Ottawa ON K1S5B6*

Database:
GEN

Generator No:	ON8145235	PO Box No:	
Status:	Registered	Country:	Canada
Approval Years:	As of Jul 2019	Choice of Contact:	
Contam. Facility:		Co Admin:	
MHSW Facility:		Phone No Admin:	
SIC Code:			
SIC Description:			

Detail(s)

Waste Class: 261 A

Waste Class Desc: Pharmaceuticals
Waste Class: 312 P
Waste Class Desc: Pathological wastes

Site: Carleton University Dump
Ottawa ON

Database:
LIMO

ECA/Instrument No: Y0119
Oper Status 2016: Historic
C of A Issue Date:
C of A Issued to:
Lndfl Gas Mgmt (P):
Lndfl Gas Mgmt (F):
Lndfl Gas Mgmt (E):
Lndfl Gas Mgmt Sys:
Landfill Gas Mntr:
Leachate Coll Sys:
ERC Est Vol (m3):
ERC Volume Unit:
ERC Dt Last Det:
Landfill Type: Historic and Closed Landfills
Source File Type:
Fill Rate:
Fill Rate Unit:
Tot Fill Area (ha):
Tot Site Area (ha):
Footprint:
Tot Apprv Cap (m3):
Contam Atten Zone:
Grndwtr Mntr:
Surf Wtr Mntr:
Air Emis Monitor:
Approved Waste Type:
Client Site Name: Carleton University Dump
ERC Methodology:
Site Name:
Site Location Details: Ottawa
Service Area:
Page URL:

Natural Attenuation:
Liners:
Cover Material:
Leachate Off-Site:
Leachate On Site:
Req Coll Lndfl Gas:
Lndfl Gas Coll:
Total Waste Rec:
TWR Methodology:
TWR Unit:
Tot Apprv Cap Unit:
Financial Assurance:
Last Report Year:
MOE Region:
MOE District:
Site County:
Lot:
Concession:
Latitude:
Longitude:
Easting:
Northing:
UTM Zone:
Data Source:

Site: COLONEL DR BY OTTAWA ON

Database:
NDFT

Property Id: K13545
Base Name: DG REALTY POLICY AND PLANS
Status: Tank currently active
Status As Of: May 25, 2001
Tank Class: Bulk Storage
Install Year: 1999
Tank Type: Aboveground Shop-fabricated
Last Year Used: 1999
Tank Contents: Diesel
Capacity (L): 11142

Site: CARLETON UNIVERSITY
OTTAWA ON K1R 3J7

Database:
NPCB

Company Code: F1323
Industry: UNDEFINED
Site Status:
Transaction Date:
Inspection Date:

--Details--

Label: F132300
Serial No.:
PCB Type/Code: ASKAREL/ASKAREL
Location:
Item/State: BARREL PCB ASKAREL/FULL
No. of Items: 27
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 7943 KG

Label: F132302
Serial No.:
PCB Type/Code: MINERAL OIL/UNKNOWN
Location:
Item/State: BARREL MINERAL OIL/FULL
No. of Items: 7
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 1200 KG

Label: F132301
Serial No.:
PCB Type/Code: OTHER WASTE/HIGH
Location:
Item/State: CTN DEBRIS, ETC/FULL
No. of Items: 1
Manufacturer:
Status: STORED FOR DISPOSAL
Contents: 200 KG

Site: COLONEL BY DRIVE, OTTAWA ON

Database:
[PINC](#)

Incident ID:		Health Impact:	
Incident No:	1935574	Environment Impact:	
Type:	FS-Pipeline Incident	Property Damage:	Yes
Status Code:	Pipeline Damage Reason Est	Service Interupt:	Yes
Fuel Occurrence Tp:		Enforce Policy:	
Fuel Type:		Public Relation:	
Tank Status:	RC Established	Pipeline System:	
Task No:	6312399	Depth:	
Spills Action Centre:		Pipe Material:	
Method Details:	E-mail	PSIG:	
Fuel Category:	Natural Gas	Attribute Category:	FS-Perform P-line Inc Invest
Date of Occurrence:		Regulator Location:	
Occurrence Start Date:	2016/09/14		
Operation Type:			
Pipeline Type:			
Regulator Type:			
Summary:	COLONEL BY DRIVE, OTTAWA - PIPELINE HIT - 1"		
Reported By:	John Hardie - ENBRIDGE		
Affiliation:			
Occurrence Desc:			
Damage Reason:	Facility was not located or marked		
Notes:			

Site: CONSTRUCTION COMPANY
BRONSON AVENUE AT RIDEAU RIVER. OTTAWA CITY ON

Database:
[SPL](#)

Ref No:	93972	Discharger Report:	
Site No:		Material Group:	
Incident Dt:	11/30/1993	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	OTHER CONTAINER LEAK	Sector Type:	

Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact: Water course or lake
Receiving Medium: WATER
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 11/30/1993
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: CONSTRUCTION COMPANY- DIESEL TO RIVER FROM OVERTURNED CRANE.
Contaminant Qty:

Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: LECLAIR FUELS LTD.
 BRONSON AVENUE TANK TRUCK (CARGO) OTTAWA CITY ON

Database:
 SPL

Ref No: 9634
Site No:
Incident Dt: 9/21/1988
Year:
Incident Cause: OTHER CONTAINER LEAK
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium: LAND
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/21/1988
Dt Document Closed:
Incident Reason: UNKNOWN
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: OMHEU TRUCK-100 L GASOLINE SPILLED TO CATCHBASIN AND ROAD
Contaminant Qty:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: CITY OF OTTAWA
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: Bronson Ave Ottawa ON

Database:
 SPL

Ref No: 5310-7DDTQN
Site No:
Incident Dt:
Year:
Incident Cause: Unknown
Incident Event:
Contaminant Code: 27
Contaminant Name: COOLANT N.O.S.
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact:

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Other Motor Vehicle
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Ottawa
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:

Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	
MOE Response:	No Field Response	Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	4/4/2008	Site Map Datum:	
Dt Document Closed:	4/17/2008	SAC Action Class:	Watercourse Spills
Incident Reason:	Equipment Failure	Source Type:	
Site Name:	Carleton University<UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo: Antifreeze to sewer from bus. Carleton U.		
Contaminant Qty:	25 L		

Site: OC Transpo<UNOFFICIAL> **Database:**
SPL
Campus Avenue Ottawa ON

Ref No:	3403-5QUM6X	Discharger Report:	
Site No:		Material Group:	Oil
Incident Dt:	8/28/2003	Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Pipe Or Hose Leak	Sector Type:	Other Motor Vehicle
Incident Event:		Agency Involved:	
Contaminant Code:	12	Nearest Watercourse:	
Contaminant Name:	GASOLINE	Site Address:	
Contaminant Limit 1:		Site District Office:	Ottawa
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	Eastern
Environment Impact:	Possible	Site Municipality:	Ottawa
Nature of Impact:	Surface Water Pollution	Site Lot:	
Receiving Medium:	Water	Site Conc:	
Receiving Env:		Northing:	
MOE Response:		Easting:	
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	8/28/2003	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Spill to Land
Incident Reason:	Equipment Failure - Malfunction of system components	Source Type:	
Site Name:	CARLTON UNIVERSITY <UNOFFICIAL>		
Site County/District:			
Site Geo Ref Meth:			
Incident Summary:	OC Transpo: <1L of gas to storm drain		
Contaminant Qty:	1 L		

Site: Colonel By Dr Ottawa ON **Database:**
SPL

Ref No:	0872-7U9JD8	Discharger Report:	
Site No:		Material Group:	
Incident Dt:		Health/Env Conseq:	
Year:		Client Type:	
Incident Cause:	Other Transport Accident	Sector Type:	Motor Vehicle
Incident Event:		Agency Involved:	
Contaminant Code:		Nearest Watercourse:	
Contaminant Name:	Operating Fluids	Site Address:	
Contaminant Limit 1:		Site District Office:	
Contam Limit Freq 1:		Site Postal Code:	
Contaminant UN No 1:		Site Region:	
Environment Impact:	Confirmed	Site Municipality:	Ottawa
Nature of Impact:	Surface Water Pollution	Site Lot:	
Receiving Medium:		Site Conc:	
Receiving Env:		Northing:	NA
MOE Response:	No Field Response	Easting:	NA
Dt MOE Arvl on Scn:		Site Geo Ref Accu:	
MOE Reported Dt:	7/24/2009	Site Map Datum:	
Dt Document Closed:		SAC Action Class:	Watercourse Spills
Incident Reason:	Unknown - Reason not determined	Source Type:	

Site Name: Colonel By Drive
Site County/District:
Site Geo Ref Meth:
Incident Summary: MVA: op. fluids to Rideau Canal.
Contaminant Qty: 0 other - see incident description

Site: Colonel By Drive Ottawa ON

Database:
SPL

Ref No: 4024-A2TQK9
Site No: NA
Incident Dt: 9/29/2015
Year:
Incident Cause:
Incident Event:
Contaminant Code: 12
Contaminant Name: GASOLINE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/29/2015
Dt Document Closed: 11/23/2015
Incident Reason: Unknown / N/A
Site Name: On Colonel By Drive, North of Bank St. Bridge (In vicinity of Rideau Canal)<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: MVA: gasoline to ground/water, Rideau Canal
Contaminant Qty: 1 L

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse: Rideau Canal
Site Address: Colonel By Drive
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Highway Spills (usually highway accidents)
Source Type:

Site: Enbridge Gas Distribution Inc.
Colonel By Drive building 10, Carleton University Ottawa ON

Database:
SPL

Ref No: 7565-ADJP4L
Site No: NA
Incident Dt: 9/6/2016
Year:
Incident Cause:
Incident Event: Leak/Break
Contaminant Code: 35
Contaminant Name: NATURAL GAS (METHANE)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env: Air
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/6/2016
Dt Document Closed:
Incident Reason: Operator/Human Error
Site Name: commercial<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: TSSA: Carleton Unv, 1 inch, safe
Contaminant Qty: 0 n/a

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address: Colonel By Drive building 10, Carleton University
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: TSSA - Fuel Safety Branch - Hydrocarbon Fuel Release/Spill
Source Type:

Site: Colonel By Street and Rideau Canal Ottawa ON

Database:
SPL

Ref No: 2247-765LKU
Site No:
Incident Dt:
Year:
Incident Cause: Other Discharges
Incident Event:
Contaminant Code: 15
Contaminant Name: OIL (PETROLEUM BASED, NOT SPECIFIED)
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Confirmed
Nature of Impact: Surface Water Pollution
Receiving Medium: Water
Receiving Env:
MOE Response: Referral to others
Dt MOE Arvl on Scn:
MOE Reported Dt: 8/16/2007
Dt Document Closed: 9/12/2007
Incident Reason: Unknown - Reason not determined
Site Name: Rideau Canal<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: Symphonie Boat taking in water- Rideau Canal
Contaminant Qty: 100 L

Discharger Report:
Material Group: Oil
Health/Env Conseq:
Client Type:
Sector Type: Other Watercraft
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: City of Ottawa
Exit onto Bronson Ave Ottawa ON

Database:
SPL

Ref No: 3585-5RV5CT
Site No:
Incident Dt: 9/29/2003
Year:
Incident Cause: Unknown
Incident Event:
Contaminant Code: 15
Contaminant Name: POWER STEERING FLUID
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: Not Anticipated
Nature of Impact:
Receiving Medium: Water
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/29/2003
Dt Document Closed:
Incident Reason: Other - Reason not otherwise defined
Site Name: CARLETON UNIVERSITY - CATCH BASIN AT...<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: OC Transpo- 10 L power steer.fl. to cb. cleaning
Contaminant Qty: 10 L

Discharger Report:
Material Group: Oil
Health/Env Conseq:
Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office: Ottawa
Site Postal Code:
Site Region: Eastern
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Spills
Source Type:

Site: CARLTON UNIVERSITY
RIDEAU RIVER, @ CARLTON UNIVERSITY COLONEL BYE DRIVE OTTAWA OTTAWA CITY ON

Database:
SPL

Ref No: 125916
Site No:
Incident Dt: 5/4/1996

Discharger Report:
Material Group:
Health/Env Conseq:

Year:
Incident Cause: CONTAINER OVERFLOW
Incident Event:
Contaminant Code:
Contaminant Name:
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact: NOT ANTICIPATED
Nature of Impact: Water course or lake
Receiving Medium: WATER
Receiving Env:
MOE Response:
Dt MOE Arvl on Scn:
MOE Reported Dt: 5/4/1996
Dt Document Closed:
Incident Reason: ERROR
Site Name:
Site County/District:
Site Geo Ref Meth:
Incident Summary: CARLTON U.:INDOOR DIESEL TO SUMP & SMALL AMOUNT TO STORM SEWER: CLEANING
Contaminant Qty:

Client Type:
Sector Type:
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: 20101
Site Lot:
Site Conc:
Northing:
Easting: WORKS
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class:
Source Type:

Site: R W Tomlinson
 Ottawa ON

Database:
 SPL

Ref No: 0423-A2EPDC
Site No: NA
Incident Dt: 9/4/2015
Year:
Incident Cause:
Incident Event:
Contaminant Code: 27
Contaminant Name: CONCRETE
Contaminant Limit 1:
Contam Limit Freq 1:
Contaminant UN No 1:
Environment Impact:
Nature of Impact:
Receiving Medium:
Receiving Env:
MOE Response: No
Dt MOE Arvl on Scn:
MOE Reported Dt: 9/16/2015
Dt Document Closed:
Incident Reason: Unknown / N/A
Site Name: Hurdman Bus terminal Station<UNOFFICIAL>
Site County/District:
Site Geo Ref Meth:
Incident Summary: R W Tomlinson- 10L Concrete Wash-out to ground
Contaminant Qty: 10 L

Discharger Report:
Material Group:
Health/Env Conseq:
Client Type:
Sector Type: Miscellaneous Industrial
Agency Involved:
Nearest Watercourse:
Site Address:
Site District Office:
Site Postal Code:
Site Region:
Site Municipality: Ottawa
Site Lot:
Site Conc:
Northing:
Easting:
Site Geo Ref Accu:
Site Map Datum:
SAC Action Class: Land Spills
Source Type:

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 2018

Abandoned Mine Information System:

Provincial [AMIS](#)

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

Government Publication Date: 1800-Oct 2018

Anderson's Waste Disposal Sites:

Private [ANDR](#)

The information provided in this database was collected by examining various historical documents which aimed to characterize the likely position of former waste disposal sites from 1860 to present. The research initiative behind the creation of this database was to identify those sites that are missing from the Ontario MOE Waste Disposal Site Inventory, as well as to provide revisions and corrections to the positions and descriptions of sites currently listed in the MOE inventory. In addition to historic waste disposal facilities, the database also identifies certain auto wreckers and scrap yards that have been extrapolated from documentary sources. Please note that the data is not warranted to be complete, exhaustive or authoritative. The information was collected for research purposes only.

Government Publication Date: 1860s-Present

Aboveground Storage Tanks:

Provincial [AST](#)

Historical listing of aboveground storage tanks made available by the Department of Natural Resources and Forestry. Includes tanks used to hold water or petroleum. This dataset has been retired as of September 25, 2014 and will no longer be updated.

Government Publication Date: May 31, 2014

Automobile Wrecking & Supplies:

Private [AUWR](#)

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-Jul 31, 2019

Borehole:

Provincial [BORE](#)

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

Government Publication Date: 1875-Jul 2018

Certificates of Approval:

Provincial CA

This database contains the following types of approvals: Air & Noise, Industrial Sewage, Municipal & Private Sewage, Waste Management Systems and Renewable Energy Approvals. The MOE in Ontario states that any facility that releases emissions to the atmosphere, discharges contaminants to ground or surface water, provides potable water supplies, or stores, transports or disposes of waste, must have a Certificate of Approval before it can operate lawfully. Fields include approval number, business name, address, approval date, approval type and status. This database will no longer be updated, as CofA's have been replaced by either Environmental Activity and Sector Registry (EASR) or Environmental Compliance Approval (ECA). Please refer to those individual databases for any information after Oct.31, 2011.

Government Publication Date: 1985-Oct 30, 2011*

Dry Cleaning Facilities:

Federal CDRY

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

Government Publication Date: Jan 2004-Dec 2017

Commercial Fuel Oil Tanks:

Provincial CFOT

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

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-Jul 31, 2019

Compressed Natural Gas Stations:

Private CNG

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

Government Publication Date: Dec 2012 - Jun 2019

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-Jul 2019

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-Aug 31, 2019

Drill Hole Database:

Provincial DRL

The Ontario Drill Hole Database contains information on more than 113,000 percussion, overburden, sonic and diamond drill holes from assessment files on record with the department of Mines and Minerals. Please note that limited data is available for southern Ontario, as it was the last area to be completed. The database was created when surveys submitted to the Ministry were converted in the Assessment File Research Image Database (AFRI) project. However, the degree of accuracy (coordinates) as to the exact location of drill holes is dependent upon the source document submitted to the MNDM. Levels of accuracy used to locate holes are: centering on the mining claim; a sketch of the mining claim; a 1:50,000 map; a detailed company map; or from submitted a "Report of Work".

Government Publication Date: 1886 - Oct 2018

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-Aug 31, 2019

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-Aug 31, 2019

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-Aug 31, 2019

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-Jul 31, 2019

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

Environmental Penalty Annual Report:

Provincial **EPAR**

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

Government Publication Date: Jan 1, 2011 - Dec 31, 2018

List of TSSA Expired Facilities:

Provincial **EXP**

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

Government Publication Date: Feb 28, 2017

Federal Convictions:

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-May 2019

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 2018

Fuel Storage Tank:

Provincial **FST**

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

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-Jul 31, 2019

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 2017

TSSA Historic Incidents:

Provincial **HINC**

List of historic incidences of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen recorded by the TSSA in their previous incident tracking system. The TSSA's Fuels Safety Program administers the Technical Standards & Safety Act 2000, providing fuel-related safety services associated with the safe transportation, storage, handling and use of fuels such as gasoline, diesel, propane, natural gas and hydrogen. Under this Act, the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors and equipment or appliances that use fuels. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of historical fuel spills and leaks in the province. This listing is a copy of the data captured at one moment in time and is hence limited by the record date provided here.

Government Publication Date: 2006-June 2009*

Indian & Northern Affairs Fuel Tanks:

Federal **IAFT**

The Department of Indian & Northern Affairs Canada (INAC) maintains an inventory of aboveground & underground fuel storage tanks located on both federal and crown land. Our inventory provides information on the reserve name, location, facility type, site/facility name, tank type, material & ID number, tank contents & capacity, and date of tank installation.

Government Publication Date: 1950-Aug 2003*

TSSA Incidents:

Provincial **INC**

List of spills and leaks of diesel, fuel oil, gasoline, natural gas, propane, and hydrogen reported to the Spills Action Centre (SAC) and made available by the Technical Standards and Safety Authority (TSSA). Under the Technical Standards & Safety Act (2000), the TSSA regulates fuel suppliers, storage facilities, transport trucks, pipelines, contractors, and equipment or appliances that use fuels. Includes incidents from fuel-related hazards such as spills, fires, and explosions. Records are not verified for accuracy or completeness. This is not a comprehensive or complete inventory of fuel-related leaks, spills, and incidents in the province. The TSSA updates information in its system on an ongoing basis; this listing is hence limited by the record date provided here.

Government Publication Date: Feb 28, 2017

Landfill Inventory Management Ontario:

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: Feb 28, 2019

Canadian Mine Locations:

Private **MINE**

This information is collected from the Canadian & American Mines Handbook. The Mines database is a national database that provides over 290 listings on mines (listed as public companies) dealing primarily with precious metals and hard rocks. Listed are mines that are currently in operation, closed, suspended, or are still being developed (advanced projects). Their locations are provided as geographic coordinates (x, y and/or longitude, latitude). As of 2002, data pertaining to Canadian smelters and refineries has been appended to this database.

Government Publication Date: 1998-2009*

Mineral Occurrences:

Provincial **MNR**

In the early 70's, the Ministry of Northern Development and Mines created an inventory of approximately 19,000 mineral occurrences in Ontario, in regard to metallic and industrial minerals, as well as some information on building stones and aggregate deposits. Please note that the "Horizontal Positional Accuracy" is approximately +/- 200 m. Many reference elements for each record were derived from field sketches using pace or chain/tape measurements against claim posts or topographic features in the area. The primary limiting factor for the level of positional accuracy is the scale of the source material. The testing of horizontal accuracy of the source materials was accomplished by comparing the plan metric (X and Y) coordinates of that point with the coordinates of the same point as defined from a source of higher accuracy.

Government Publication Date: 1846-Jan 2019

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, 2017

National Defense & Canadian Forces Fuel Tanks:

Federal

[NDFT](#)

The Department of National Defense and the Canadian Forces maintains an inventory of all aboveground & underground fuel storage tanks located on DND lands. Our inventory provides information on the base name, location, tank type & capacity, tank contents, tank class, date of tank installation, date tank last used, and status of tank as of May 2001. This database will no longer be updated due to the new National Security protocols which have prohibited any release of this database.

Government Publication Date: Up to May 2001*

National Defense & Canadian Forces Spills:

Federal

[NDSP](#)

The Department of National Defense and the Canadian Forces maintains an inventory of spills to land and water. All spill sites have been classified under the "Transportation of Dangerous Goods Act - 1992". Our inventory provides information on the facility name, location, spill ID #, spill date, type of spill, as well as the quantity of substance spilled & recovered.

Government Publication Date: Mar 1999-Apr 2018

National Defence & Canadian Forces Waste Disposal Sites:

Federal

[NDWD](#)

The Department of National Defence and the Canadian Forces maintains an inventory of waste disposal sites located on DND lands. Where available, our inventory provides information on the base name, location, type of waste received, area of site, depth of site, year site opened/closed and status.

Government Publication Date: 2001-Apr 2007*

National Energy Board Pipeline Incidents:

Federal

[NEBI](#)

Locations of pipeline incidents from 2008 to present, made available by the Canada Energy Regulator (CER) - previously the National Energy Board (NEB). Includes incidents reported under the Onshore Pipeline Regulations and the Processing Plant Regulations related to pipelines under federal jurisdiction, does not include incident data related to pipelines under provincial or territorial jurisdiction.

Government Publication Date: 2008-Jun 30, 2019

National Energy Board Wells:

Federal

[NEBP](#)

The NEBW database contains information on onshore & offshore oil and gas wells that are outside provincial jurisdiction(s) and are thereby regulated by the National Energy Board. Data is provided regarding the operator, well name, well ID No./UWI, status, classification, well depth, spud and release date.

Government Publication Date: 1920-Feb 2003*

National Environmental Emergencies System (NEES):

Federal

[NEES](#)

In 2000, the Emergencies program implemented NEES, a reporting system for spills of hazardous substances. For the most part, this system only captured data from the Atlantic Provinces, some from Quebec and Ontario and a portion from British Columbia. Data for Alberta, Saskatchewan, Manitoba and the Territories was not captured. However, NEES is also a repository for previous Environment Canada spill datasets. NEES is composed of the historic datasets ' or Trends ' which dates from approximately 1974 to present. NEES Trends is a compilation of historic databases, which were merged and includes data from NATES (National Analysis of Trends in Emergencies System), ARTS (Atlantic Regional Trends System), and NEES. In 2001, the Emergencies Program determined that variations in reporting regimes and requirements between federal and provincial agencies made national spill reporting and trend analysis difficult to achieve. As a consequence, the department has focused efforts on capturing data on spills of substances which fall under its legislative authority only (CEPA and FA). As such, the NEES database will be decommissioned in December 2004.

Government Publication Date: 1974-2003*

National PCB Inventory:

Federal

[NPCB](#)

Environment Canada's National PCB inventory includes information on in-use PCB containing equipment in Canada including federal, provincial and private facilities. Federal out-of-service PCB containing equipment and PCB waste owned by the federal government or by federally regulated industries such as airlines, railway companies, broadcasting companies, telephone and telecommunications companies, pipeline companies, etc. are also listed. Although it is not Environment Canada's mandate to collect data on non-federal PCB waste, the National PCB inventory includes some information on provincial and private PCB waste and storage sites. Some addresses provided may be Head Office addresses and are not necessarily the location of where the waste is being used or stored.

Government Publication Date: 1988-2008*

National Pollutant Release Inventory:

Federal

[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

[OGWE](#)

The Nickle's Energy Group (publisher of the Daily Oil Bulletin) collects information on drilling activity including operator and well statistics. The well information database includes name, location, class, status and depth. The main Nickle's database is updated on a daily basis, however, this database is updated on a monthly basis. More information is available at www.nickles.com.

Government Publication Date: 1988-Aug 31, 2019

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-Jun 2019

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-Aug 31, 2019

Canadian Pulp and Paper:

Private [PAP](#)

This information is part of the Pulp and Paper Canada Directory. The Directory provides a comprehensive listing of the locations of pulp and paper mills and the products that they produce.

Government Publication Date: 1999, 2002, 2004, 2005, 2009-2014

Parks Canada Fuel Storage Tanks:

Federal [PCFT](#)

Canadian Heritage maintains an inventory of known fuel storage tanks operated by Parks Canada, in both National Parks and at National Historic Sites. The database details information on site name, location, tank install/removal date, capacity, fuel type, facility type, tank design and owner/operator.

Government Publication Date: 1920-Jan 2005*

Pesticide Register:

Provincial [PES](#)

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

Government Publication Date: 1988-Mar 2019

TSSA Pipeline Incidents:

Provincial [PINC](#)

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

Government Publication Date: Feb 28, 2017

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-Aug 31, 2019

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-Jul 2019

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-Jul 31, 2019

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-Feb 2019

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, 2017

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 2018

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.

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

Government Publication Date: 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-Aug 31, 2019

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: Feb 28, 2019

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

C REGULATORY RESPONSE



From: Public Information Services
To: [Menyhart, Adrian](mailto:Menyhart,Adrian)
Subject: RE: Records Search Request - Carleton University
Date: October 16, 2019 3:57:06 PM
Attachments: [image001.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)

Good afternoon,

Thank you for your request for confirmation of public information.

I have searched the below noted addresses and I have located the following record:

Inst Numb	Context	Address	City	Provinc	Postal Cod	Inststatusname	Segment1
6220989	FS Facility	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS PRIVATE FUEL OUTLET - SELF SERVE
43227485	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
43227486	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
40392813	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
40436979	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
40436980	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
43227482	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
43227483	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
43227484	FS Fuel Oil Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS FUEL OIL TANK
10902356	FS Liquid Fuel Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS LIQUID FUEL TANK
10902323	FS Liquid Fuel Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS LIQUID FUEL TANK
10902338	FS Liquid Fuel Tank	1125 COLONEL BY DR	OTTAWA	ON	K1S 5B6	Active	FS LIQUID FUEL TANK

For a further search in our archives, or for copies of documents, please complete our release of public information form found at https://www.tssa.org/en/about-tssa/release-of-public-information.aspx?_mid=392 and email the completed form to publicinformation@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.



Sherees Thompson | Public Information Agent

Facilities
 345 Carlingview Drive
 Toronto, Ontario M9W 6N9
 Tel: +1-416-734-3363 | Fax: +1-416-231-6183 | E-Mail: stompson@tssa.org
www.tssa.org



From: Menyhart, Adrian <Adrian.Menyhart@wsp.com>
Sent: October 16, 2019 11:51 AM
To: Public Information Services <publicinformation@tssa.org>
Subject: Records Search Request - Carleton University

Good Afternoon,

I am looking to request any information pertaining to underground fuel storage tanks, aboveground fuel storage tanks, hoists or elevators at the following addresses, located in the City of Ottawa:

1125 Colonel By Drive – Carleton University
 930 Carling Avenue

Thank you

Adrian Menyhart, P.Eng., ing
 Environmental Engineer
 Environmental Management



T+ 1 613-690-3852
 C+ 1 343-961-1429

2611 Queensview Drive
 Ottawa, Ontario
 K2B 8K2 Canada

wsp.com

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APPENDIX

D AERIAL PHOTOGRAPHS

A large, white, geometric shape resembling a stylized 'V' or a folded corner is positioned on the left side of the page, partially overlapping the text 'PHOTOGRAPHS'.



SOURCE: "National Resources Canada, National Air Photo Library"



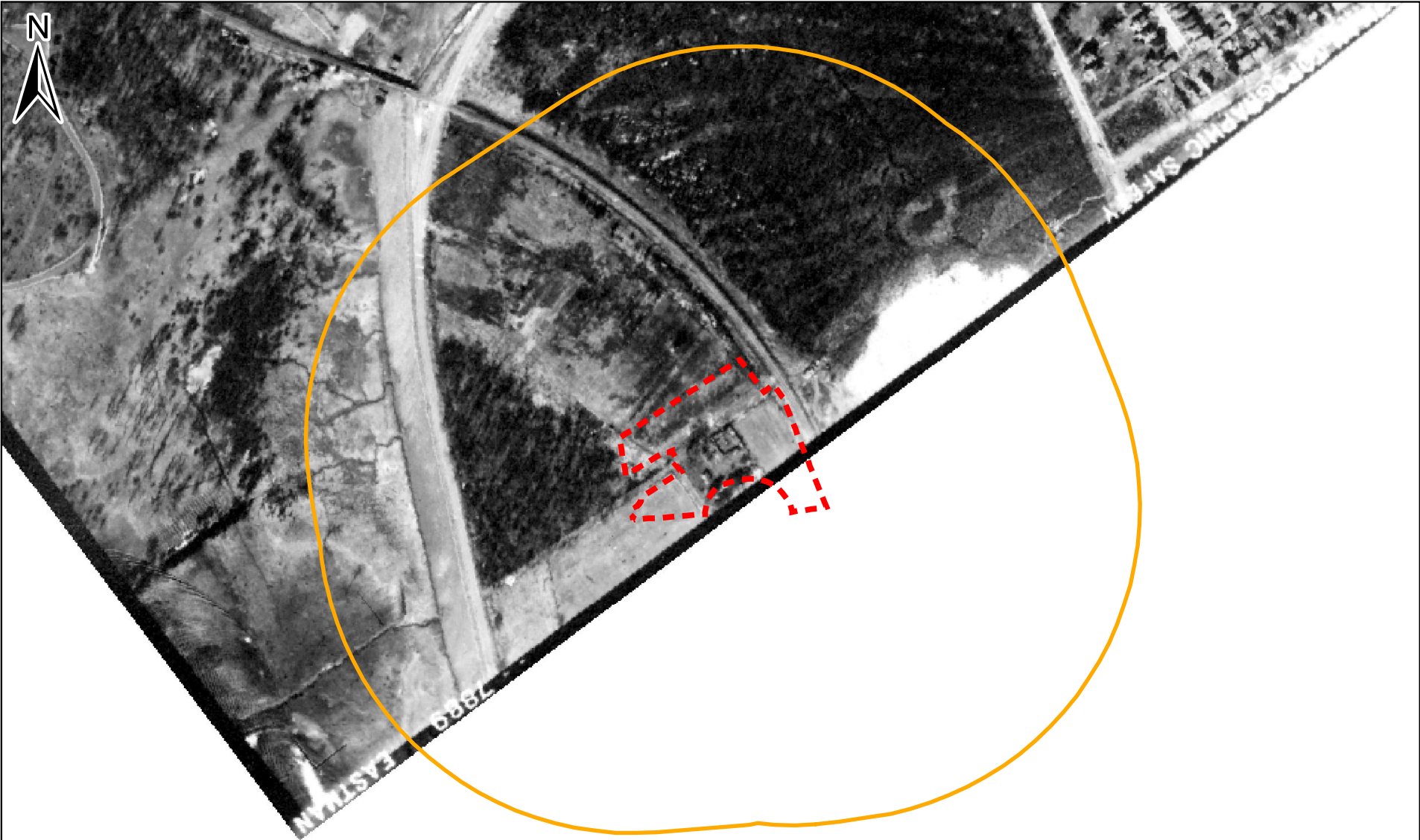
	LEGEND		TITLE 1928 AERIAL PHOTOGRAPH		PROJECT NO 191-12948-00
		Site Boundary	PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO	REVIEWED BY AD	SCALE 1:4,500
		250 m Study Area	CLIENT CARLETON UNIVERSITY	DATE NOVEMBER 2019	
			FIGURE E-1		



SOURCE: "National Resources Canada, National Air Photo Library"



	LEGEND  Site Boundary  250 m Study Area		TITLE 1938 AERIAL PHOTOGRAPH		PROJECT NO 191-12948-00	
	PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		REVIEWED BY AD		SCALE 1:4,300	
	CLIENT CARLETON UNIVERSITY		DATE NOVEMBER 2019		FIGURE E-2	



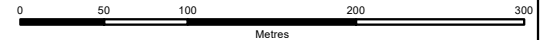
SOURCE: "National Resources Canada, National Air Photo Library"



	LEGEND		TITLE 1945 AERIAL PHOTOGRAPH		PROJECT NO 191-12948-00	
		Site Boundary	PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		REVIEWED BY AD	SCALE 1:4,500
		250 m Study Area	CLIENT CARLETON UNIVERSITY		DATE NOVEMBER 2019	
				FIGURE E-3		



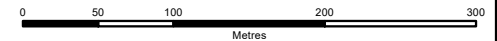
SOURCE: "National Resources Canada, National Air Photo Library"



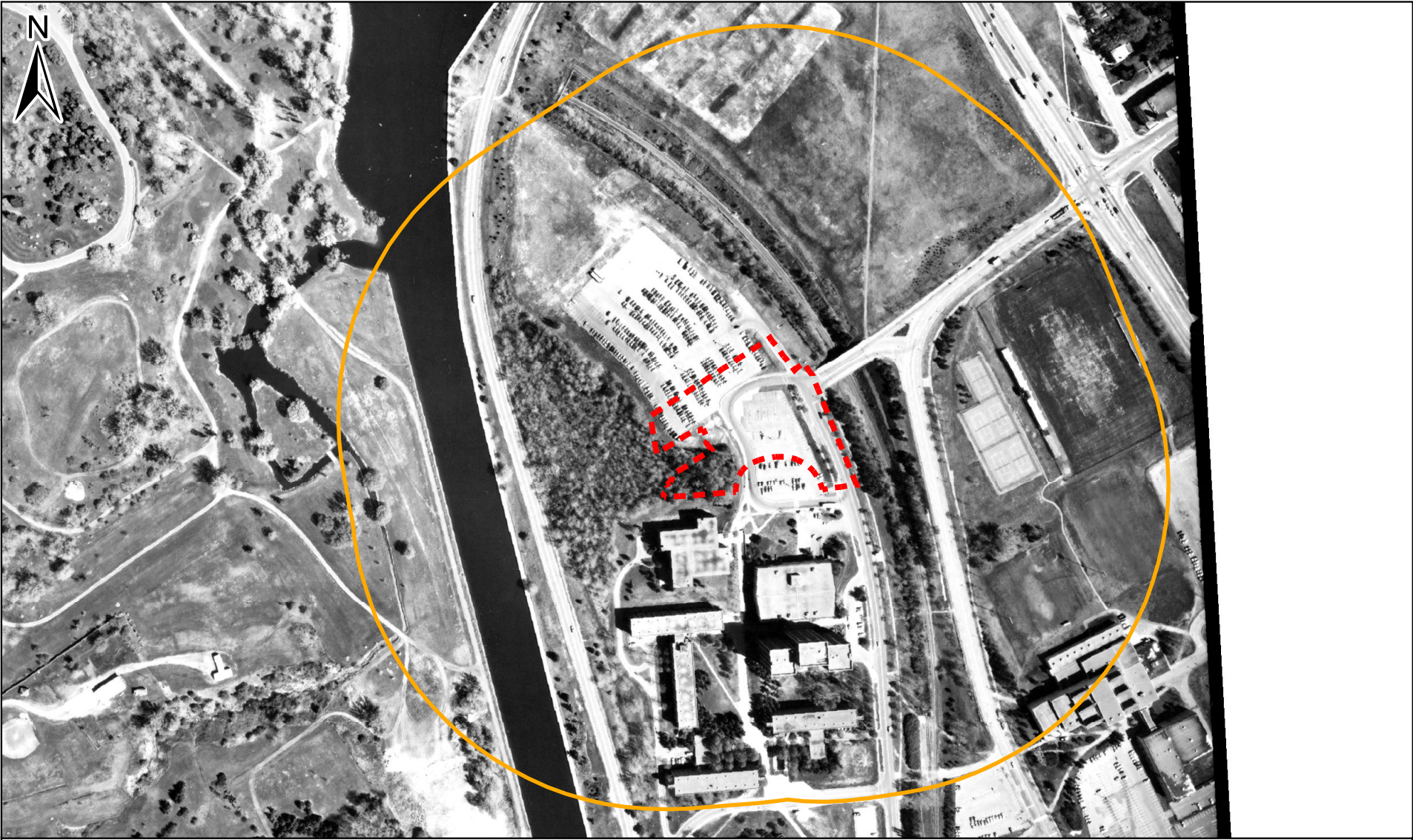
	LEGEND		TITLE 1950 AERIAL PHOTOGRAPH		PROJECT NO 191-12948-00
		Site Boundary	PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		REVIEWED BY AD SCALE 1:4,500
		250 m Study Area	CLIENT CARLETON UNIVERSITY		DATE NOVEMBER 2019
				FIGURE E-4	



SOURCE: "National Resources Canada, National Air Photo Library"



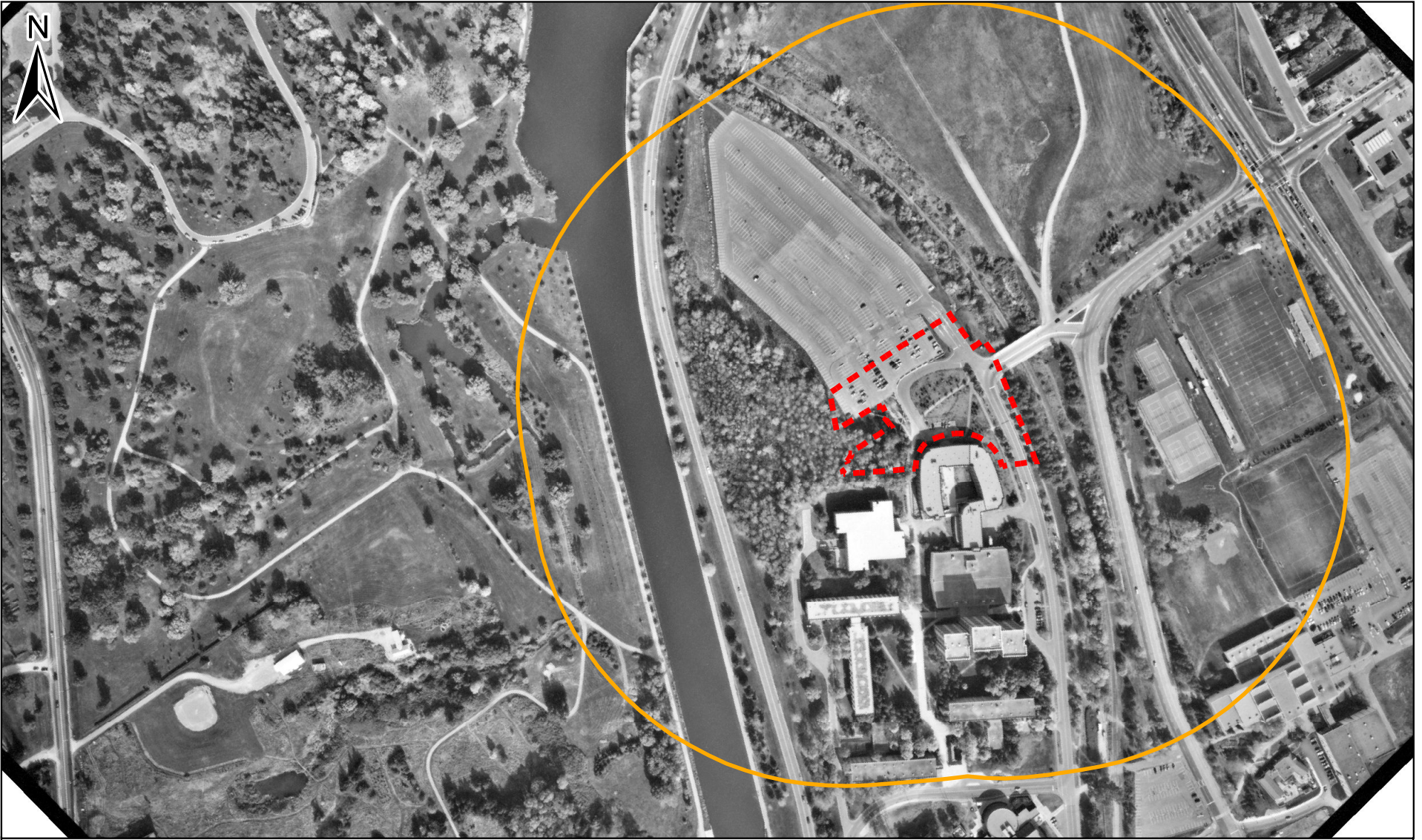
	LEGEND		TITLE 1968 AERIAL PHOTOGRAPH		PROJECT NO 191-12948-00
		Site Boundary	PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		REVIEWED BY AD SCALE 1:5,000
		250 m Study Area	CLIENT CARLETON UNIVERSITY		DATE NOVEMBER 2019
				FIGURE E-5	



SOURCE: "National Resources Canada, National Air Photo Library"



	LEGEND		TITLE 1986 AERIAL PHOTOGRAPH		PROJECT NO 191-12948-00
		Site Boundary	PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		REVIEWED BY AD SCALE 1:4,500
		250 m Study Area	CLIENT CARLETON UNIVERSITY		DATE NOVEMBER 2019
				FIGURE E-6	



SOURCE: "National Resources Canada, National Air Photo Library"



	LEGEND		TITLE 1994 AERIAL PHOTOGRAPH		PROJECT NO 191-12948-00
		Site Boundary	PROJECT PHASE ONE ENVIRONMENTAL SITE ASSESSMENT CARLETON UNIVERSITY 1125 COLONEL By DR. OTTAWA, ONTARIO		REVIEWED BY AD SCALE 1:4,500
		250 m Study Area	CLIENT CARLETON UNIVERSITY		DATE NOVEMBER 2019
					FIGURE E-7

APPENDIX

E

SITE

PHOTOGRAPHS



1. View of Phase One Property, facing south towards centre of landscaped area and existing residences.



2. View Phase One Property, facing southeast



3. View of light rail transit line, facing south, located east of the Phase One Property.



4. View of adjacent residence to the west (Leeds House)



5. View of adjacent residence to the south (Stormont/Dundas House)



6. View of stormwater grate, located near the centre of the Phase One Property



7. View of the Phase One Property, facing east towards Campus Avenue.



8. View of Phase One Property, facing south towards residences.